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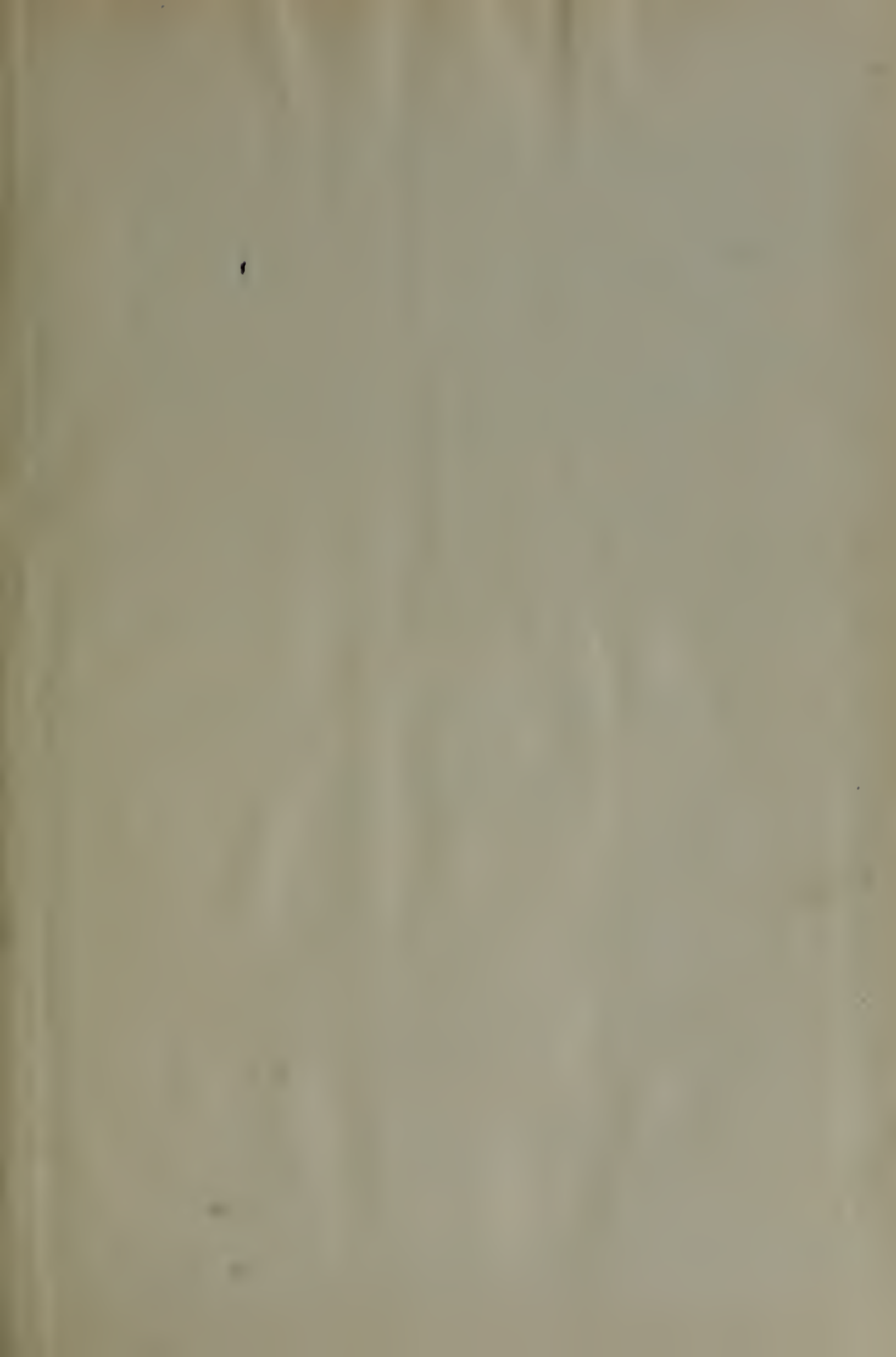
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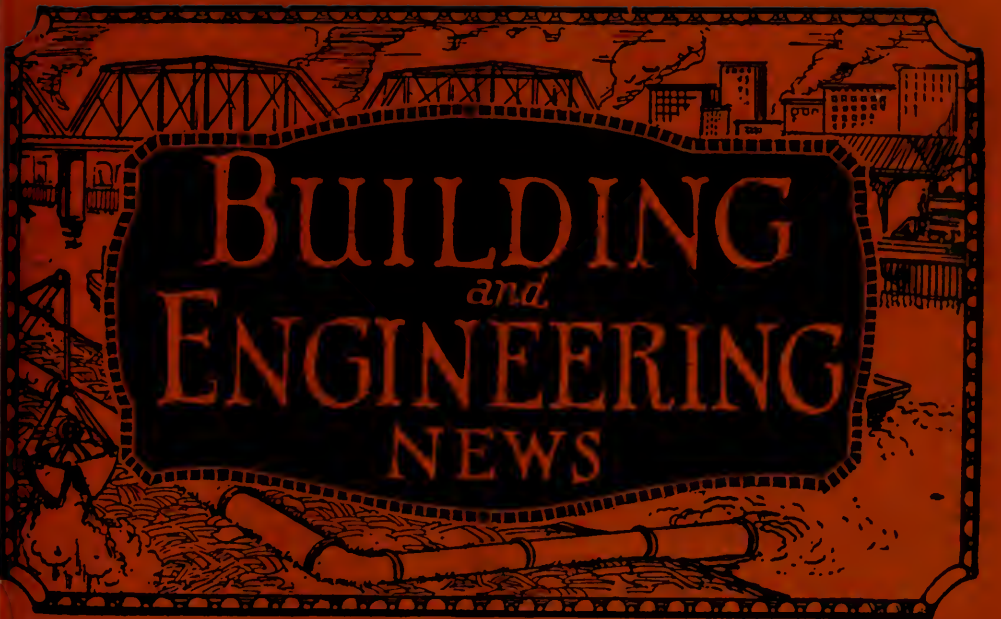
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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., JANUARY 4, 1930

Published Every Saturday
Thirtieth Year, No. 1

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

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Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year.....6.00
Single Copies.....25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO

Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

EMPLOYEE AS A PARTNER

Profit sharing as an important phase of industrial relations was practiced in France as early as 1842. Thirty years later the first English plan was organized, and shortly afterward attempts at profit sharing were made in the United States. From the plans now in effect in the United States, Canada and England, the Policyholders Service Bureau of the Metropolitan Life Insurance Company has drawn from the best practices of more than eighty companies and has incorporated them into a report entitled "Sharing Profits with Employees."

In this report the term profit sharing is used in its limited meaning as an agreement between an employer and his employee under which the latter receives a share, fixed in advance, of the profits of the firm. This excludes bonuses given at the discretion of the employer at a prearranged scale, sales bonuses, and production bonuses.

The discussion of this practice, which has been found helpful by many companies in building up employee morale, centers on four general types of plan: sharing profits with all eligible employees; sharing profits with employee stockholders; sharing profits with employee participating in a savings plan; and profit sharing for executives. Each of these types is reviewed in detail.

A limited number of copies of this survey are available to interested executives, and may be secured from the Policyholders Service Bureau, Metropolitan Life Insurance Company, One Madison Ave., New York City.

TOILET PARTITIONS BOOKLET IS ISSUED

The Division of Simplified Practice of the Bureau of Standards, Department of Commerce, has just announced the release of the printed booklet on Simplified Practice Recommendation No. 101—Metal Partitions for Toilets and Showers.

An examination of this booklet, copies of which may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., for 10 cents each, reveals the establishment by the industry of center-to-center dimensions for toilets, dressing room and shower enclosures, together with a simplified list of stock sizes for partitions, fronts, doors, posts and hardware. Dimensions which fulfill the requirements for typical enclosures, door clearances, the style of fronts and the height off floor of partitions, doors and backs and a list of sizes, gauges and finish of panel-sheet steel for doors and partitions are also included in this recommendation.

Woodman! Spare that tree. From Reno, Nevada, came word that truck loads of Christmas trees were hauled away from Reno stores and dumped in canyons and ditches, due to the owners failing to find a market. Selected trees were offered for \$3 to \$6 last week failed to find buyers at 50 cents on Christmas Eve.

VIOLATES ARCHITECTS' LAW AND PAYS PENALTY

In Judge O'Brien's Court (San Francisco) December 24, I. D. Northcutt was convicted of violation of the Act to Regulate the Practice of Architecture in the State of California. He was convicted on a warrant sworn by Frank A. Johnson, who charged that Northcutt had been operating as an architect for the Greater City Lumber Company.

The State Board of Architectural Examiners pressed the charge before the court under the Amended Act Regulating the Practice of Architecture, which act came into effect August 14 of this year.

The defendant was sentenced to pay a fine of \$100 or serve a term of 20 days in jail.

NOTICE

Due to the merger of Daily Pacific Builder with Larsen's Advance Construction Reports, former daily service of Building & Engineering News, this issue appears in condensed form.

Commencing with the January 13th issue, however, Building & Engineering News will again appear with the regular features.

HOW MUCH ART IN "MODERN" ART?

The desire for "something different" is laudable. It means progress—if kept within bounds. We have lately had a surfeit of so-called modern art—in design, in furniture, in typography—that was decidedly different. But was not art. It violated every vital principle of harmony, symmetry, rhythm, contrast, balance, emphasis and proportion.

A refreshing exception is a circular now before us, published by the Pacific Portland Cement Company. It features a remarkable specimen of concrete construction—the new factory of the Continental Can Company, Oakland, Calif. Architects, Francisco and Jacobus, Los Angeles; Contractors, Scofield-Twaits Company, San Francisco.

The circular represents the true type of modern art. Its artistic and factual points of emphasis co-incide. The eye naturally, easily and readily absorbs the main point, viz.: that with specially prepared forms and the use of Old Mission Plastic Waterproof Portland Cement no further surface finish was needed when the forms were stripped. This marks a new step in the art of concrete practice.

FEDERAL FOREST ROAD FUNDS ARE ALLOCATED

The apportionment of \$4,500,000 of Federal forest highway funds as authorized by Congress for the construction of forest roads in and adjacent to the National Forests in the fiscal year 1931 has been approved by Secretary of Agriculture Hyde.

Representatives of the U. S. Forest Service, State Highway Commissions, and U. S. Bureau of Public Roads will start immediately to make plans for expending the amounts apportioned to the various States and Territories upon road projects upon which construction can be undertaken in the next fiscal year, which begins with July 1.

The forest highway fund is apportioned under the Federal Highway Act, which provides that 50 per cent of the authorized amount be apportioned according to the percentage of the National Forest area in any State to the total area of the National Forests in all the States, and the remainder according to the percentage of the value of National Forest land in any one State to the total of the Government land in all the National Forests.

The authorization is apportioned among the States and Territories for the next fiscal year, to include \$459,334 for Alaska; \$283,882 for Arizona; \$676,451 for California; \$94,196 for Nevada; \$631,987 for Oregon and \$331,368 for Washington.

FABRICATED STRUCTURAL STEEL ORDERS IN NOVEMBER

New orders of fabricated structural steel in November, as reported to the Department of Commerce by the principal manufacturers, were 59 per cent of capacity, based on total orders of 179,448 tons reported by fabricators with a capacity of 303,290 tons per month, as against October orders of 91 per cent of capacity and 63 per cent a year ago. Shipments of fabricated structural steel in November represented 74 per cent of the capacity of firms reporting this item as against 93 per cent in October and 71 per cent a year ago.

OIL BURNER MEETING

National Oil Burner Show will be held at the Hotel Stevens, Chicago, during the seventh annual convention of the American Oil Burner Association, April 7 to 12, inclusive, it is announced by Harry F. Tapp, executive secretary, in charge of arrangements for the exposition. Fifty-seven manufacturers had engaged space up to December 12.

STEEL BOILERS

New orders for 1239 steel boilers were placed during the month of November, 1929, as reported to the U. S. Department of Commerce by 80 manufacturers comprising most of the leading firms in the industry, as compared with 1712 boilers in October and 1660 in November, 1928.

SKYSCRAPER CONTRIBUTES TO ADVANCEMENT OF CIVILIZATION

"There are a group of critics who have objected to the tall building from the beginning and have condemned it as the source of most evils of our city life, and it is only recently that an endeavor has been made to lay the real facts before the public which will make it possible to arrive at an intelligent conclusion.

"It may be interesting to know that the first attack was chiefly directed against, so the critics stated, 'the strange and unsightly character of these tradition breaking monstrosities which dared to reach the dizzy height of 12 or 16 stories, against the way they disfigured the streets' and against the possibility of a catastrophe involved in the collapsing of one of these monsters on a crowded street.' These amount to nothing more than a prejudice against the new. Next came the criticism that these tall buildings shut out the light and air and thus harmful to the health of the public. Later on the traffic conditions have become almost intolerable in our cities and again the skyscraper was blamed. The congestion argument has become the chief objection of those with conscientious scruples against the tall building.

"In the matter of light and air it will be admitted by all that this applies only to a few lower floors and that as we reach the upper floors of a modern skyscraper, we attain the maximum of sunlight and air and also a cheerful outlook. The higher the floor the more permanent are such benefits. Also the more modern buildings have such arrangement of windows as to further assure an abundance of sunlight. Also the modern skyscraper makes possible the provision for artificial illumination and ventilation and atmospheric control so as to ever excel the natural light and air and thus afford the possibility of having the atmosphere of a roomy condacks right in the heart of New York City.

Possible Collapse Forgotten

"The possibility of the collapse of one of these buildings upon a crowded street was at one time held up as a serious objection to the permission of building them. After the experience of two generations this fear has been all but forgotten. Engineers have been able to convince the public of their ability to design and erect these structures with absolute safety.

"We still hear of the fire hazard and the danger to life of the occupants due to their inability to reach the ground in safety. All of our modern skyscrapers are built of fire-resisting material and the trend in the furnishing of the offices is towards the non-burning kind. Of course, we still have much of the contents that will burn and should a fire start it is necessary to confine it and either let it burn out or have it extinguished. The advances made in fire-resisting construction and fire-fighting equipment have reduced this menace to a minimum so that today the fire hazard is much less in the modern skyscraper than in most other types of buildings. There are three distinct agencies which work towards guarding against fire loss. First, the City Building Department is charged with enforcing the street regulations of the Building Code; second, the City Fire Department is charged with inspection of the various features with which they are concerned, not only during the construction but also periodically after occupancy and it is truly to the interest of the members of this department to see that all equipment is in working order and that no violation of the rules is allowed; third, the Fire Underwriters are interested in reducing the fire loss and in penalizing the owners by charging extra premiums which has a powerful influence to keep the requirements of the highest class lived up to.

Skyscrapers are economic necessities in modern urban life, according to Geo. E. J. Pistor of the Hay Foundry and Iron Works and director of the American Institute of Steel Construction, in a speech delivered December 29 before a gathering of steel constructors of the New York district at the Engineering Societies Building, New York. The skyscraper, said Mr. Pistor, has been praised as a distinguishing contribution to architectural art, but it should also be appraised for its contribution to the advancement of American civilization. The address was illustrated by a moving picture showing the method of rolling and fabrication of structural steel shapes and the erection of the Bank of Manhattan Building on Wall Street, New York. Mr. Pistor's remarks are published herewith.—Editor.

Cites S. F. Structure

"The other forces of nature which we have to contend with in considering the safety and design of a tall building are hurricanes and earthquakes. From the experience gained by the San Francisco earthquake of 1906 and the Japanese earthquake of 1926, as well as the various Florida hurricanes, it seems to indicate that the safest place for the human to be in case of such catastrophe is on one of the upper floors of a modern, fire-proof, steel framed office building. Professor Esley Willis, President of the American Seismographic Society said, 'the safest building in San Francisco in time of a possible earthquake is the great American Telephone & Telegraph skyscraper,' the tallest building on the Pacific Coast.

"While the building code prescribes that the frame work shall be designed to withstand a wind pressure of 30 pounds per square foot, which would correspond to 120 miles per hour, the highest wind velocity recorded in New York City occurred on February 22, 1912, when the U. S. Weather Department recorded a 96 mile per hour gale. This corresponds to 22 pounds pressure per square foot. A wind of 120 miles per hour is considered an absolute impossibility at the distance New York is from the equator. The public may rest easy regarding their safety from any collapse of a modern tall building due to the elements.

"Just a few words regarding the congestion problem. This problem is not new and was present in our various cities long before we had any buildings over three or four stories high. As far back as the time of Julius Caesar, ancient Rome had this problem to contend with and many of the traffic regulations which we think modern were resorted to at that time. Thus, history tells us that Rome had traffic policemen, taxi stands, one-way streets, also regulations that specified, due to the narrowness of the streets, merchants had to make their deliveries at night.

"In our own country this problem existed with bus and horse car lines and ferryboats fifty years ago. In London where buildings are limited to 100 feet in height above the sidewalk, every means of transportation and traffic is crowded. Where in our cities can you find more aggravated traffic congestion than is found at Aldergate or Ludgate Hill in London? Similarly in Paris and Buenos Aires, where there are no tall buildings, we find the traffic congestion a problem very serious and growing steadily worse. In our own United States the experience of those cities where there are few if any tall buildings seems to indicate that low buildings do not save the community from congestion. Take for instance, Boston—Boston has a very wide spread business area,

it has subways and a greater percentage of street area than most other cities, and yet where can you find a more serious traffic condition even in our tall building cities? Los Angeles is another city of low buildings and wide streets and still it has serious congestion.

"In New York City we find more serious congestion on Fifth Avenue and in the Times Square section than we do in the foot of Manhattan where most of the skyscrapers are. For the greater part of the day the department store sections are by far the more congested and in the evening you find the congestion in the theatre district where there are few if any tall buildings.

68-Story Building for New York

"In the new Empire State Building which will be erected on the site of the old Waldorf-Astoria Hotel, the present plans call for 62 elevators. This building will be 86 stories high, the top reaching some 1100 feet above the sidewalk. This building will have a grounded floor area of 200 feet x 425 feet and the tower which starts at the 30th floor has a floor area of 133 feet x 185 feet. The tendency is for buildings of larger ground area and the ideal space is naturally a full block with frontages on four streets. This sort of area is very difficult to assemble, however it would be a surprise if the up-to-date promoter would not strive to attain such plots. Mergers are the trend of the times, witness the chain stores, the many combinations of large and small companies and corporations and so it can be expected that real estate owners and builders will see the benefits to be derived from putting their interests together to make possible a more profitable operation. It will be found more advantageous for individual owners to combine their smaller plots and form combinations, so as to build on cooperative lines and thereby each individual in turn will derive a more profitable return from his property.

"In line with this statement, is the peculiar but natural trend for industries to centralize and just as the various factors of industry are grouping themselves into organizations, so they are also tending to locate themselves in close proximity of each other. Thus in New York we have the financial center in Wall Street, the garment center on Seventh Avenue, the shopping center on Fifth Avenue, the automobile center around Columbus Circle. This tendency to concentrate the business of certain kinds in specialized areas has been made more possible by the multi-story building.

"In conclusion let me say that in but a few years we shall celebrate the fiftieth anniversary of the invention of rolled steel shapes and the American skyscraper. Though possibly you may think that American architects have attained such skill in using the material at their disposal that today this tall building architecture is universally held up as one of the great contributions to creative art."

MOONLIGHT EFFECT MADE FOR CLEVELAND BUILDING

Something new in outdoor illumination, called "moonlighting" is used in lighting the exterior of the Museum of Fire Arts at Cleveland, Ohio.

The idea is to produce on the face of the building the dimness of real moonlight. This is done by softening the lights and using beams of different intensity so that angles which in real moonlight would appear dimmer than the face of the building, receive less artificial light.

The result is to give depth to the form of the building. The lighting was designed by J. W. Gosling of the General Electric Company.

COST PLUS BUILDER LEARNS NEW LAW KINK

A contractor who builds a building on a cost-plus basis, who does not agree to provide his own labor but merely makes contracts with others on behalf of his principal, cannot put a lien on the property for money he may have advanced for labor and materials. Such an arrangement is a loan arrangement for which there is no lien against the property.

This is the opinion of Superior Judge Yankwich of Los Angeles, who has just handed down a ruling in a novel question of law arising in the action brought by the Stiles Construction Company against the defunct El Sereno Country Club and Mrs. Clotilde Castruccio, owner of the property on which the club was to have been built. The trial of the action was held several weeks ago, after which Judge Yankwich took his decision under submission.

The court in his ruling held that as the contractors had furnished no labor or materials of their own, only money for others, their arrangement was merely a money loan one, therefore, they are not entitled to a lien on the land.

WALBRIDGE IS A. G. C. MANAGER PRO TEM

George B. Walbridge, vice-president of the Walbridge-Adlinger Construction Co., Detroit, Michigan, has accepted the request of a quorum of the executive committee of the Associated General Contractors to step into the breach left by the death of D. A. Garber, and will serve as general manager pro tem for the A. G. C. until the annual convention in New Orleans on January 30, 1930.

As a past president and active member of the A. G. C., Walbridge is in close contact with the program and plans of action of the organization. He represented the general contractors in the formation of the Allied Construction Industries committee which was initiated in 1928 under the auspices of the A. G. C. to correct improper practices and to stabilize conditions in the building industry, and has always been active in the work directed toward straightening out the general credit situation.

LOS ANGELES BUILDING FOR MONTH OF DECEMBER

During the first 18 days of December, 1929, the Los Angeles city building department issued 1524 permits with an estimated valuation of \$2,684,628. For the corresponding period in December a year ago the number of permits issued was 1490 with an estimated valuation of \$3,573,278, while for the first 18 days of November, 1929, the number of permits issued was 1544 with an estimated valuation of \$2,634,650. Los Angeles' building total for the current year up to and including December 18 was \$91,708,329, as compared with \$95,219,725 for the corresponding period last year.

AMERICAN ARCHITECT ADVISES BRITONS AGAINST "SCRAPERS"

An Associated Press dispatch from London says an American architect who builds skyscrapers advised British architects not to erect any in London.

William A. Delano, president of the New York branch of the American Institute of Architects, speaking before the Architecture Club in London, said he felt that Americans "are gradually being crushed by these monsters which have made life about as sterile as it can possibly be for the ordinary man."

"I hope you will not be captivated by this particular phase of our experiment," he said. "Unless you are ready to swallow our civilization whole, it would seem a mistake to copy any part of it."

\$14,000,000 FOR HOSPITAL CONSTRUCTION

The House of Representatives on December 16 passed a bill (H. R. 234) providing \$14,000,000 for immediate construction of new hospitals, domiciliary facilities or dispensaries, or the replacement, extensor, alteration, remodeling, or repair of existing facilities to provide additional hospitalization of World War veterans.

The work shall be done in such manner as the President may determine, and he is authorized to require the architectural, engineering, constructing, or other forces of any of the departments of the Government to do or assist in such work and to employ individuals and agencies not now connected with the Government if, in his opinion, desirable at such compensation as he may consider reasonable.

WESTINGHOUSE ELECTRIC RAISES DIVIDEND

On the strength of the Chairman's report that the earnings of the Company for the current year would be approximately \$10.00 per share, the Board of Directors of the Westinghouse Electric & Manufacturing Company on December 11 declared a quarterly dividend of \$1.25 per share on the Common and Preferred stock, being at the rate of 10% per annum. The dividend on the Preferred stock is payable January 15, and the dividend on the Common stock payable January 31, 1930, both to stockholders of record at the close of business on December 31, 1929.

TIMBER INTERESTS TO CONFER IN SACRAMENTO

Representatives of all timber-growing sections of Northern California are to confer in Sacramento January 10th for the purpose of planning action to fight off the pine beetle and pine rust, which is reported to be devastating pine forests of Southern Oregon.

The meeting is to be held under the auspices of the Sacramento Region Citizens' Council, which has invited timbermen from Klamath Falls and other Oregon pine sections, to meet with California timber interests.

HARVARD ARCHITECTS WIN FRENCH MEDAL

The University medal of the American group of the French Society of Architects was awarded to Harvard University at a luncheon given for Dr. George Harold Edgell, dean of the Harvard Architecture Department in New York, Dec. 26.

The medal is awarded annually to the university which best lives up to the tradition of the Ecole Des Beaux Arts in Paris.

Horace G. Driver, 27, an Australian who has been studying design at New York University, was awarded a medal for the best work as a student in architecture.

CONTRACTOR CONVICTED OF EMPLOYING NON-VOTER

George A. Caldwell, New Orleans contractor engaged in erecting the municipal auditorium, was given his preference of paying a fine of \$100 or serving 60 days in jail by Criminal Judge Charbonnet, who had found him guilty of violating the law against employing any but registered and qualified voters on the municipal auditorium job. Caldwell was convicted some time ago of employing a carpenter who was not a voter. Caldwell's attorneys filed notice of appeal.

STATE PURCHASING AGENT ASSUMES DUTIES

Fred J. Misphey has assumed his duties as State Purchasing Agent following his appointment to that post by Director of Finance A. R. Heron. Misphey, acting head of the purchasing division since the death of W. G. McMillan last July, entered the state service in 1911 as chief clerk for the Capitol grounds superintendent. Later he became assistant purchasing agent, and in 1925 was made Chief Deputy of the division.

SAN JOSE CARPENTERS GO ON FIVE-DAY WEEK SCHEDULE

The five-day week plan for carpenters in San Jose goes into effect February 1, 1930. It is announced by Oscar T. Martin, secretary of the Santa Clara Building Trades' Council. The plan is already in effect among the plumbing, painting, lathing and electricians' crafts.

SEATTLE MATERIAL DEALERS ELECT OFFICERS

D. E. Fryer has been elected president of the Seattle Building Material Dealers' Association. Walter Galbraith was re-elected vice president; Dean Henderson was elected secretary, and Joe McMullen was re-elected treasurer. W. C. Bickford, retiring secretary, was chosen delegate to the Seattle Construction Council.

RAFTSMAN RESIGNS

Charles Manly, for the past six and one-half years a draftsman in the department of public works at Fresno, has resigned, effective January 1, to accept the position of designing engineer with the Irrigation Engineering Company of Fresno.

RENO PROPOSES TO ADAPT NEW PLUMBING LAW

A plumbers' ordinance, similar to one recently passed regulating the installation of electrical work in Reno, will be considered by the Reno, Nevada, city council shortly. The law will provide for the appointment of a plumbing board, will regulate the methods of installing plumbing, and provide for its rigid inspection by a city plumbing inspector. A new building ordinance is also being prepared.

Feather River Power Company of San Francisco has been granted a permit by the State Division of Water Rights for additional storage in its power reservoirs on Milk Ranch Creek and Buck's Creek, tributaries of the North Fork of the Feather River, in Plumas County. The additional diversion authorized totals of 120 cubic feet per second, and the storage to 6000 acre feet per annum. With this additional storage, the company will generate 87,000 horsepower of electrical energy. The total investment in the area then will exceed \$9,000,000.

Mayor Max Kohner of Santa Clara has announced that a committee from the board of city trustees will meet with a committee of three, who are opposed to the district plan of paving, for the purpose of visiting nearby cities for information on the method of assessing paving costs in those localities. Mayor Kohner, City Trustees Enos and City Engineer Sullivan will form the administration committee.

Proposed construction of public works to the amount of \$25,000,000 in twenty-six States of the Nation during 1930—a figure expected to be doubled for the country at large—is reported at Washington, D. C. The total was compiled from reports President Hoover received from Governors of the States as a result of the program of Public construction he urged after conferences with business leaders.

Building News Section

APARTMENTS

Plastering Contract Awarded.

APARTMENTS Cost, \$700,000
SAN FRANCISCO. SW Green and Leavenworth Sts.

Twenty-three-story class A apartment (74) building.
Owner—Bellare Bldg. Inc., Crocker First National Bank Bldg.

Architect—H. C. Baumann, 251 Kearny St.
Structural Engineer—L. H. Nishkian, 595 Market St.

Plastering—Cris Berg, 719 45th Ave.
As previously reported, concrete forms awarded to Mission Concrete Co., 270 Turk St.; excavating to North Beach Auto Hauling Co., 2055 Greenwich St.; painting to D. Zelinsky, 165 Grove St.; structural steel to Judson-Pacific Co., 609 Mission St. Sub-bids are being taken on other portions of the work.

Sub-Figures Being Taken.
APARTMENTS Cost, \$150,000
SAN FRANCISCO. Ellis St., W Larkin Street.

Six-story Class C steel frame and concrete apartment building (40 2-room apts.)
Owner and Builder—J. G. Concannon, % Architect.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Sub-Figures Being Taken.
APARTMENTS Cost, \$175,000
SAN FRANCISCO. S Ellis St. E Hyde Street.

Six-story Class C steel frame and concrete apartment building (50 2-room apts.)
Owner and Builder—J. G. Concannon, % Architect.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

LOS ANGELES, Cal.—Maurice Feigenbaum, Union Bank Bldg., will build five-story and basement class B brick and steel apartment bldg., 60x140-ft., on Oxford St. near 6th St., for himself. Plans being prepared by Architect L. T. Squires, 321 Union League Bldg. Cost, \$125,000.

CHURCHES

VALLEJO, Solano Co., Cal.—Congregation of Second Baptist Church, Rev. W. M. Dixon, pastor, has voted to erect new edifice and parsonage at Capitol and Branciforte streets. Estimated cost, \$7,500.

COMPTON, Los Angeles Co., Cal.—Compton Nazarene Church, Rev. H. C. Powers, pastor, Compton, will award contract for one-story frame and stucco auditorium, 52x41 feet, to church at Willow and Palmer Sts., Compton. Will seat 200 people. Henry F. Starbuck, 1203 E. 70th St., Los Angeles, prepared plans.

FACTORIES & WAREHOUSES

Elevator Contract Awarded.
WAREHOUSE & OFFICES Cost, \$100,000
SAN FRANCISCO. NW 9th and Howard Streets.

Three-story class B concrete warehouse and sales office building, 110x150-ft.
Owner—Investment Properties Co., Alexander Bldg.

Architect—O'Brien Bros. & W. D. Peugh, 815 Montgomery St.
Contractor—Industrial Const. Co., 815 Bryant St.

Lessons—Graybar Electric Co., 680 Folsom Street.

Elevator—Otis Elevator Co., 1 Beach St.
As previously reported, reinforcing steel awarded to Gunn, Carle & Co., 444 Market St.; windows to U. S. Metal Products Co., 330 10th St.; glass to W. F. Fuller & Co., 301 Mission St.

SACRAMENTO, Cal.—Structure occupied by California Poultry Supply & Manufacturing Co. at 1310 Del Paso Ave., North Sacramento, suffered a \$10,000 fire loss December 24.

BERKELEY, Alameda Co., Cal.—Gillmore Oil Co. of Los Angeles, will establish divisional offices in the East Bay district and will spend \$300,000 in initial developments for a distributing plant.

Contract Awarded.
CREAMERY Cost, \$19,250
SAN LUIS OBISPO, San Luis Obispo Co. One-story hollow tile (brick) creamery. Owner—Harmony Valley Creamery Assn. Architect—Not given.
Contractor—Joseph Le Porte, Fresno.

Plans Being Completed.
CANNERY Cost, includ. equip., \$125,000
RICHMOND, Contra Costa Co., al. Outer Harbor. Modern class C sardine cannery (cover area of 40,000 sq. ft.)
Owner—Jos. Crivello, 214 Pacific Street, Monterey.

Plans by owner.
Bids will be taken within 10 days.

STOCKTON, San Joaquin Co., Cal.—City council will spend \$11,572.60 in budget to finance purchase of additional land for municipal airport and to improve by oiling and hangar construction.

Contract Awarded.
CANNERY Total cost, \$300,000
Including equipment
RICHMOND, Contra Costa Co., Cal. Bet. 10th and 14th Sts., N of Ford factory site.

One-story concrete cannery building.
Owner—Filice & Perrelli, Gilroy.
Architect—Wm. Knowles, 1214 Webster St., Oakland.

Contractor—Chas. Stockholm & Son, Russ Bldg., San Francisco.

GARAGES

Contract Awarded.
SERVICE STATIONS Cost, \$20,000
SAN FRANCISCO. NE Fell and Baker Streets.

Two-story concrete super-service station and one-story concrete service station.
Owner—General Petroleum Co., Alaska Commercial Bldg.

Plans by owner.
Contractor—Lindgren & Swinerton, Inc., 225 Bush St.

SANTA CRUZ, Santa Cruz Co., Cal.—See "Ice and Cold Storage Plants," this issue.

A Demonstration of the SKILSAW PORTABLE ELECTRIC HAND SAW

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GOVERNMENT WORK AND SUPPLIES

MARE ISLAND, Cal.—Until January 22, 11 A. M., under Specification No. 5956, bids will be received by Public Works Officer, Mare Island Navy Yard, for gasoline tank, alterations to garage, install new downspouts, alterations and repairs to dormitory and a new water trough at U. S. Naval Radio Station and Point Reyes. See call for bids under official proposal section in this issue.

PORTLAND, Ore.—Until January 14, bids will be received by Supervising Architect, Treasury Department, Washington, D. C., to construct mezzanine floor, etc., in Post Office at Portland, Ore. Plans obtainable from above office.

PEARL HARBOR, T. H.—Bids are being received (date for opening not set) by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 5921, for motor testing building at the naval operating base (air station), Pearl Harbor, T. H. The building will be of reinforced concrete with built-up roofing, metal doors, steel sash, steel beams and trolleys, and electric wiring; disposal of \$10 required for plans obtainable from above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, to furnish and deliver materials and equipment to Navy Yards and Stations, further information being available from the Navy Purchasing Officer, 100 Harrison St., San Francisco:

Bids Open January 3

Bids Open January 7
Sch. 2453, western yards, fids, hoses, picks, pricklers, rakes and shovels.

Bids Open January 14
Sch. 2487, western yards, quantity of zinc, sheet and slab.
Sch. 2436, western yards, quantity of sheet and pig lead.

Sch. 2433, Mare Island, 3 20-gal. & 2 60-gal and 10 50-gal. steam jacketed kettles.
Puget Sound, 2 40-gal. and 6 80-gal. do.

Sch. 2431, western yards, 3550 chamolms skins.
Sch. 2459, western yards, clamps, cutters, emerywheel and glass, holders, tools, punches, sockets, nail sets and spikes.

Sch. 2464, San Francisco, metal shelving.
Sch. 2462, Mare Island, 6000 lbs. curled horse hair.

Sch. 2472, Mare Island 1620 lin. yds. mohair braid.
Sch. 2477, Puget Sound, 8 electric coffee percolators.

Sch. 2475, San Diego, 168 folding cots; Mare Island, 1000 do; Puget Sound, 300 do.

Sch. 2465, Mare Island and Puget Sound, 400 glass plates.
Sch. 2430, Mare Island, steel wire rope.

Sch. 2484, western yards, steel plates.
Sch. 2482, Puget Sound, 125 Coffee boilers, Mare Island 40 sugar canisters.

Sch. 2460, San Diego, 2 motor trucks.
Sch. 2483, Puget Sound, 4 pneumatic geared hoists, 4000-lb. capacity.

Sch. 2490, New York or San Francisco, 1 engine lathe.
Sch. 2491, Mare Island, 1 motor-driven plate bending roll.

Sch. 2496, Puget Sound, 1 pipe-bending machine.
Sch. 2500, western yards, sheet steel.

Sch. 2503, western yards, "chishels" chisels and pneumatic tool chisel blanks.
Sch. 2473, Puget Sound, 360 carbon brushes; Mare Island 5500 motion-picture carbons; Mare Island, 85 sets turbine ring packing.

Sch. 2492, western yards, leather (belting, lacing, etc.).
Bids Open January 21

Sch. 2504, Mare Island, 50 bedside lockers and 100 hospital beds.

Sch. 2506, Mare Island and Puget Sound 12,650 lbs. manganese nickel.

SEATTLE, Wash.—Following is a partial list of prospective bidders for Immigration Station to be erected at Seattle, bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., January 21: A. W. Quist, 310 Hoge Bldg., Seattle, Washington.

Peder P. Gjarde, Lyon Bldg., Seattle, Washington.

W. I. Butler, Central Bldg., Seattle, Washington.

N. P. Severin Co., 222 W. Adams St., Chicago.

W. D. Lovell, 1415 8th St., S. E., Minneapolis, Minn.

Chrisman & Snyder, Smith Tower, Seattle, Washington.

Sound Constr. & Engineering Co., Northern Life Bldg., Seattle, Wash.

Niel McDonald, Seaboard Bldg., Seattle, Wash.

Wm. MacDonald Constr. Co., St. Louis, A. M. Lundberg, St. Louis.

Pacific States Constr. Co., Alaska Bldg., Seattle, Wash.

Harry Boyer, Alaska Bldg., Seattle, Wash.

The specifications cover the complete project, including mechanical equipment. There will be composition and tile roofing, iron stairs, steel windows, vault doors, structural metal work, mastic composition flooring and insect screens. The mechanical equipment includes a complete laundry with all machinery; cafeteria equipment, such as gas ranges, steam kettles, vegetable steamers, dishwasher, vegetable peeler, refrigerating machine, pot sinks, etc. The boiler plant will consist of two horizontal double pass smokeless down draft fire box portable steel boilers. All interior lighting fixtures are included.

SANTA MONICA, Los Angeles Co., Cal.—New federal building is to be erected at Santa Monica under new government building program. Cost, \$400,000.

MARCH FIELD, Riverside Co., Cal.—Contractors who have received plans for Field Officers' quarters to be erected at March Field, bids for which are to be opened at 11 A. M., December 30th, are as follows: A. B. Anderson, 436 Indiana St., Riverside; Olaf Erickson, Elsinore; Anton Johnson, 517 El Centro St., South Pasadena; Barker Bldg. Co., 704 W. 14th St., Riverside; Henry Auerbach, 1163 1/2 North Kingsley Drive, Los Angeles; Mitty Bros., 723 Detwiler Bldg., Los Angeles; Rath Const. Co., 1422 14th St., San Francisco; Chas. Smith, 1357 A St., San Bernardino; Louie Darling, 371 10th St., San Bernardino; John Strona, Philadelphia St., Pomona; Schmidt & Long, Builders' Exchange Bldg., Santa Ana; Martin Green, 27 17th St., San Bernardino. The building will be a hollow tile structure with tile roof.

HALLS AND SOCIETY BUILDINGS

Contract Awarded. Cont. price, \$237,000
CLUB BLDG., Alameda Co., Cal. Durant Ave. bet. Ellsworth and Fulton Sts. Six-story class A club building; swimming pool, banquet halls, reception rooms, dormitories and roof garden.

Owner—Berkeley Women's City Club.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—K. E. Parker, 135 So. Park St., San Francisco.

HOSPITALS

ALHAMBRA, Los Angeles Co., Cal.—Henry W. Schlueter, 9800 Yoakum Drive, Beverly Hills, awarded contract by county supervisors at \$30,230 for general work for one and two-story brick health center building on Shorb St., between 6th and 7th Sts., Alhambra, in accordance with plans prepared by Karl Muck, county architect. Building will be built in shape of two "L's" forming quadrangle between. Block A is 99x110x10 outside dimensions and 65x45 inside dimensions, while Block B is 107x120x10 outside and 68x76 inside.

LOS ANGELES, Calif.—Richards-Neustadt Const. Co., 701 W. M. Garland Bldg., will start work on 2-story and basement class A reinf. concrete addition to the physiotherapy building under construction at 2400 S. Flower St. for Orthopaedic Hospital. L. A. Parker, architect, 804 Architects Bldg. Will provide for kitchen and amphitheater space, new receiving and commissary department, and a new staff dining room.

SAN DIEGO, Cal.—Plans for women's ward building at San Diego county Hospital approved by Supervisors. Quayle Bros., San Diego, architects.

Preparing Working Drawings.
HOSPITAL, Cost, \$400,000
PALO ALTO, Santa Clara Co., Cal. On State Highway north of Palm Drive. Four-story reinforced concrete hospital (100-bed capacity).
Owner—City of Palo Alto.
Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.

Bids will be taken about Feb. 15. Laundry, heating plant, kitchen and store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and third floors will be devoted to accommodation of patients in addition to two, three and four-room wards and 15-room nursery. Large sun porch will also be located on second floor. Fourth floor will be given over to surgery.

HOTELS

Plans Being Prepared.
HOTEL, Cost, \$750,000
OAKLAND, Alameda Co., Cal. Class A hotel building (255 rooms and baths).
Owner—San Jose Properties, Ltd., Martin L. Hurst, president.
Architect—Coffman, Sahlgren & Stafford, Forum Bldg., Sacramento, and 3529 Emerson St., Oakland.
Contractor—Chas. Mabrey & Son, 730 1st National Bank Bldg., Oakland.
There will be a large and attractive lobby, dining room and coffee shop, lounge room and similar features, in addition to a garage large enough to accommodate 100 cars.

CASA GRANDE, Ariz.—Architect Lloyd LeRaine, Pike & Home Bldg., Phoenix, preparing plans for two-story hotel building, 180x90 feet, at corner of Florence Blvd. and Gilbert Ave., Casa Grande, for Henry and Stewart Appleby and Frank Gilbert. Cost, \$100,000.

LOYALTON, Sierra Co., Cal.—Rooming house operated by Sam K. Wee and owned by Mrs. Albert Turner of Oroville, destroyed by fire Dec. 23, with a loss of \$10,000, partially covered by insurance.

Plans To Be Prepared.

HOTEL, Cost, \$—
CAPITOLA, Santa Cruz Co., Cal. Modern 70-room hotel building.
Owner—E. V. Woodhouse, Capitola. Architect—Withheld.

There will be a court in the center and all rooms will be outside rooms with all modern features as well as an annex of 25 rooms or more. It is also planned to build a bungalow court with stucco bungalows of three rooms, phones, lights and all modern features.

ICE AND COLD STORAGE PLANTS

Contract Awarded.
STORAGE PLANT, Cost, \$30,000
SANTA CRUZ, Santa Cruz Co., Cal. One-story concrete ice storage plant and garage building (125 by 43 feet).
Owner—Union Ice Co., 354 Pine St., San Francisco.
Plans by Engineering Department of Owner.
Contractor—W. W. Williams, 320 Market St., San Francisco.

POWER PLANTS

To Be Done By Day's Work.
GENERATING STATION, Cost, \$400,000
SAN FRANCISCO, 23rd St. bet. Georgia and Louisiana Sts.
Four-story class A steel electric generating station.
Owner—Pacific Gas & Electric Co., 245 Market St.
Architect—Engineering Dept. of Owner.

MERIDIAN, Sutter Co., Cal.—Pacific T. & T. Co. will spend \$22,000 in the Meridian section to rebuild phone system involving 386 poles, 427 cross arms, 4,550 lbs. iron wire and 14,720 lbs. heavy copper wire. It is announced by E. R. Gardner of Marysville, local manager for the P. T. and T.

PLUMAS COUNTY, Cal.—Feather River Power Co., 530 Bush St., San Francisco, has been granted a permit by the State Department of Public Works, Division of Water Rights, for additional storage, the company will generate 87,000 h. p. of electrical energy. The total investment in the area will then exceed \$9,000,000.

PUBLIC BUILDINGS

Commissioned To Prepare Plans.
CITY HALL, Cost, \$40,000
HAYWARD, Alameda Co., Cal. (50,000 for furnishings)
Three-story reinforced concrete City

Owner—City of Hayward.
Architect—E. P. Whitman, Hayward.
Tentative plans are that the building will contain offices for the police department, city attorney, city clerk, city engineer, superintendent of streets and tax collector, water department, health center and recorded or police judge, besides a city jail and a city council meeting room.

RESIDENCES

Sub-Contracts Awarded.
RESIDENCE, Cost, \$25,000
OAKLAND, Alameda Co., Cal. Hampton Highlands.
Two-story 15-room frame and stucco residence.
Owner—Edward Babue, 1336 St. Charles St., Alameda.
Architect—E. E. Schirmer, 700 21st St., Oakland.
Contractor—Thomas Furlong, 460 Jerome Ave., Oakland.
Rough Lumber—F. K. Wood Lumber Co., Frederick and King Sts., Oakland.
Millwork—Atkinson Miss. Mfg. Co., 2385 Chaparral St., Oakland.
Plastering—Arthur Aston, 1144 Glendora

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Ave., Oakland.
Plumbing—D. W. Durant, 492 Lake Park Ave., Oakland.
Painting—M. Bollaert, 3336 Rhoda Ave., Oakland.
Roofing—S. A. Coombes, 500 37th Avenue, Marble—Ray Cook Marble Co., foot of Powell St., Oakland.
Hardwood Flooring—Inlaid Floor Co., 4067 Watts, Emeryville.
Cement—J. H. Fitzmaurice, 354 Hobart St., Oakland.
Tile—Rigley Tile Co., 3012 Harrison St., Oakland.
Excavating—Ariss - Knapp Co., 961 41st St., Oakland.

VIEWPARK, Los Angeles Co., Calif.—Los Angeles Inv. Co., 1016 S Broadway, completing plans for 2-story 10-room Colonial type residence in Viewpark. Cost, \$30,000.

Contract Awarded.
RESIDENCE Cost, \$16,000
OAKLAND, Alameda Co., Cal. St. James Wood.
 Two-story ten-room frame and stucco residence.
Owner—Dr. C. E. Froehlich, Great Western Power Bldg., Oakland.
Architect—Williams & Wastell, 374 17th St., Oakland.
Contractor—Hugh E. Williams, 1615 Trestle Glen Road, Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$13,000
OAKLAND, Alameda Co., Cal. N Foot-hill Blvd. E 61st Ave.
 One-story 15-room frame and stucco six-family residence.
Owner and Builder—S. E. McCormick, 2927 62nd Ave., Oakland.
Plars by J. Watson Oliver, 3720 Foothill Blvd., Oakland.
Lumber—Melrose Lumber Co., 1201 46th Ave., Fruitvale.
Steam Heating System—George C. Bell, 1826 E 15th St., Fruitvale.
Plumbing—Wm. J. Souza, 1421 45th Ave., Oakland.
Concrete Work—R. C. Malone, 2236 47th Ave., Oakland.
Plastering and Sewer—Tom McMullan.
Roofing—M. & L. Roofing Co., 9224 Foothill Blvd., Oakland.
Sheet Metal Work—M. C. Henry, 1183 53rd St., Oakland.
Excavating—P. M. Holst, 5005 E 14th St., Oakland.
Hardware—Smith Hdwe. Co., 929 Broadway, Oakland.
Frigidaire—Frigidaire Corp., 16th & Harrison Sts., San Francisco.
Cabinet Work—Southwick Cabinet Co., 1115 13th St., Oakland.
Drapes—Peck & Hills Furniture Co., Park and Hubbard Sts., Oakland.
Wiring—E. L. Reed, 2338 76th Ave., Oakland.
 Bids are wanted on hardwood flooring, decorative iron work and fixtures.

BEVERLY HILLS, Los Angeles Co., Cal.—John L. De Lario, 1215 Bank of Italy Bldg., Los Angeles, completing plans for two and part tree-story concrete residence, 130x120 feet, to contain 18 rooms and 8 baths. Cost \$100,000. Will be erected in Ledgemoor Park for Ralph B. Lloyd.

TUSTIN, Orange Co., Calif.—Architect Allen Ruoff, 2024 W 6th St., Los Angeles, taking bids for one-story English type frame and stucco residence, 75x10-ft., at Tustin, for Mr. and Mrs. E. A. Watson. Contract Awarded.
RESIDENCE Cost, \$6000
OAKLAND, Alameda Co., Cal. 2916 Madeline St.
 One-story 5-room frame and stucco residence and garage.
Owner—R. L. Rademaker, 2906 Madeline St., Oakland.
Architect—None.
Contractor—James G. Fisher, 3670 Lilly St., Oakland.

SCHOOLS

SALINAS, Monterey Co., Calif.—Until January 16, 7:30 P. M., bids will be rec. by E. L. Van Dellen, clerk, Salinas Union High School District, to furnish lumber and supplies for high school shop. Further information obtainable from clerk at high school.

Plans Being Figured—Bids Opened Jan. 12, 7:30 P. M.
ADDITION Cost, \$—
HANFORD, Kings Co., Calif.
 Additional unit for high school.
Owner—Hanford Joint Union High School District.
Architect—Shields, Fisher & Lake, 1501 Pacific Southwest Bldg., Fresno.
 Segregated bids are wanted for:
 (a) carpentry, concrete work, millwork, reinforcing steel, structural steel and miscellaneous iron, sheet metal work, glazing, metal stall partitions, blackboards, finish hardware.

(b) masonry.
 (c) painting.
 (d) composition and tile roofing.
 (e) electric wiring, clocks, etc.
 (f) plumbing.
 (g-2) heating.
 (h) plastering, lathing and ornamental cast cement.
 Cert. check or bidder's bond 10% req. with bid. Plans obtainable from architects.

Plans Being Figured—Bids Close Jan. 14, 8 P. M.
ADDITION Cost, \$—
SAN JOSE, Santa Clara Co., Calif. Trace School.
 Two-story concrete addition to present school building.
Owner—San Jose Board of Education.
Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 Cert. check 10% payable to Board of Education required with bid. Plans obtainable from San Jose office of the architects and on file in office of Walter L. Bachrodt, clerk, Board of Education.

GERBER, Tehama Co., Cal.—Trustees of the Gerber Union High School District contemplating erection of a modern auditorium building as a separate unit at the present school plant. Bonds will probably be voted to finance the work.

NEWPORT BEACH, Orange Co., Cal.—Architects Marsh, Smith & Powell, 514 Architects' Bldg., Los Angeles, commissioned to prepare plans for high school plant at Newport Beach for Newport-Costa Mesa Union High School District, Leroy Anderson, president of the board. Plant consists of several buildings and construction will probably be reinforced concrete. Cost, \$350,000.

Working Drawings Being Prepared.
ADDITION Cost, \$120,000
OAKLAND, Alameda Co., Cal. Montecello and Fleming Sts. (Maxwell School).
 Two-story brick addition to present elementary school.
Owner—Oakland Board of Education.
Architect—John J. Donovan, 1916 Broadway, Oakland.
 Bids will be taken in about 3 weeks.

Working Drawings Being Prepared.
BUILDING Cost, \$685,000
BERKELEY, Alameda Co., Calif. University of California Campus.
 Class A building (height and type of construction not decided).
Owner—University of California.
Architect—George W. Kelham, 315 Montgomery St., San Francisco.
 Proposed building will probably house the College of Engineering (electrical and mechanical depts.). This will be the first unit of a group of buildings to be constructed at a later date. Bids will be taken about Feb. 1, 1930.

Sketches Being Prepared.
SCHOOL Cost, \$650,000
SAN FRANCISCO, Nee and 25th Sts.
 Class A Junior high school building (to accommodate approx. 800 students).
Owner—City and County of San Francisco
Architect—W. H. Crim, 483 Pine St.

RIALTO, San Bernardino Co., Calif.—Erection of new junior high school building is planned by school authorities; \$54,000 available.

Plans Being Completed.
LIBRARY Cost, \$150,000
SAN RAFAEL, Marin Co., Cal.
 Three-story reinforced concrete academic and library building (12 classrooms and library).
Owner—Dominican College of San Rafael, San Rafael.
Architect—Arnold Constable, 580 Market St., San Francisco.
 Will be of Italian Renaissance style. Bids will be taken Jan. 15 for a general contract.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$50,000 to \$75,000
GRIMES, Colusa Co., Cal.
 Grammar School.
Grimes Grammar School District.
Architect—W. H. Weeks, Hunter - Dulin Bldg., San Francisco.
 A bond election will be called shortly to vote funds to finance this structure.

BANKS, STORES & OFFICES

SANTA ANA, Orange Co., Cal.—Architect Allen Ruoff, 2024 W 6th St., Los Angeles, preparing plans for alterations to class C office building and 2-story class A reinf. concrete addition at 5th and Main Sts., Santa Ana, for Orange County Title Co. Cost, \$200,000.

Completing Plans.
STORE BLDG. Cost, \$—
LONG BEACH, Los Angeles Co., Cal.
 One-story Class C concrete store building (40x90 feet).
Owner—Bank of Italy.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.
 Bids will be taken in one week.

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Sub-Contracts Awarded.
OFFICE BLDG. Cost, \$160,000
SAN FRANCISCO. E Montgomery St., N Sutter St.
Six-story and basement and mezzanine floor class B concrete office building.
Owner—Lurie Co., 315 Montgomery St.
Architect—O'Brien Bros. & W. D. Peugh, 315 Montgomery St.
Contractor—Industrial Const. Co., 815 Broadway.
Less—Title Insurance & Guarantee Co., 250 Montgomery St.
Plumbing—J. J. McLeod, 1246 Golden Gate Avenue.
Electrical Work—Langlais Elec. Co., 472 Tehama St.
Heating—A. Harper, 140 8th St.
As previously reported, metal pans awarded to Steelform Contracting Co., 1246 Golden Gate Bldg.; sidewalk lights to Pacific Sidewalk Light Co., 252 Lobos St.; reinforcing steel to Gunz, Carle & Co., 44 Market St.

Contract Awarded.
MARKET BLDG. Cost, \$18,000
PITTSBURGH, Contra Costa Co., Cal. NE One-story frame, cement, lath and plaster market building.
Owner—Paul W. Collins, Pittsburg.
Architect—None.
Contractor—T. Owsley, 550 East St. Pittsburg.
Sub-bids will be taken in about one week.

Completing Plans.
STORE BLDG. Cost, \$—
SANTA MONICA, Los Angeles Co., Cal. One-story class C brick store building, 90x100 feet.
Owner—Bank of Italy.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.
Bids will be taken in one week.

Plans Being Figured.
STORE BLDG. Cost, \$15,000
SAN FRANCISCO. Fourth St. near Folsom St.
One-story class C concrete store building.
Owner—Geo. De Martini.
Engineer—James Smith, 251 Kearny St., San Francisco.

Grading & Structural Steel Bids Wanted.
CLASS A BLDG. Cost, \$65,000
SAN FRANCISCO. SW Bush and Franklin Streets.
One-story and mezzanine floor class A reinforced concrete and steel frame building (120x144-9 ft.).
Owner—Mrs. Ray Schwartz.
Engineer—H. Nishkian, 523 Market St.
Manager of Const.—Mel I. Schwartz, 303 Kearny St.
Less—Firestone Tire & Rubber Co.
Building will run from Bush to Fern St. on Franklin and will have steel rolling doors, metal sash and terra cotta cement floor. Concrete bids will be taken next week.

LOS ANGELES, Calif.—Paramount-Famous-Lasky Corp., 5451 Marathon Street, contemplating 4-story class A administration building at 5451 Marathon St. Plans by owners.

SANTA ANA, Orange Co., Calif.—J. C. Horton & Son, 1001 Main St., want to start, soon, or wrecking buildings at SE corner of 6th and Main Sts., preparatory to erection of 2-story brick and concrete store and office building, 100x107-ft. Wilson & Bever, Anaheim, contractors. Cost, \$31,000.

RIVERSIDE, Cal.—J. C. Penney Stores Co. has secured forty-year lease on property on Main St., between 7th and 8th Sts. and will erect modern business building.

REDLANDS, San Bernardino Co., Cal.—A. Huizinga, 1001 Main St., has contract to remodel three brick business buildings. Cost, \$80,000.

SAN BERNARDINO, Cal.—United Stores Realty Co. plans one-story reinforced concrete business building, 100x120 feet, at Court and E Sts. early in 1930. Cost, \$50,000. Walker & Elsen, Western Pacific Bldg., Los Angeles, architects.

GUADALUPE, Santa Barbara Co., Cal.—Santa Barbara Telephone Co. will erect telephone exchange building.

ALHAMBRA, Los Angeles Co., Cal.—Harry A. Lewis, 503 Orange Grove Ave., has contract to erect one-story brick store and garage building, 50x150 feet, at 927 E. Main St. for W. R. Mayhew.

THEATRES

Site Purchased.
THEATRE Cost, \$100,000
SUSANVILLE, Lassen Co., Cal. Main Street.
Class A theatre.
Owner T. & D. J. Enterprises, Inc.
Architect—Not Yet Selected.
Will be equipped for both road shows and "talkies" and will have seating capacity of 1200.

LOS ANGELES, Cal.—Architect R. D. King, 1124 Van Nuys Bldg., taking bids for 1- and 2-story brick class C, 120x123-ft., theatre and store building at SE corner of Pico Blvd. and Crest Ave. for Rickard-Boswell Realty Co.

LOS ANGELES, Cal.—Boller Bros., architects, 240 Douglas Bldg., commissioned to prepare plans and specifications for class A reinforced concrete theatre, store and office building, 160x120-ft., on West Pico St. at Laveria St. for West Coast-Holly-Wood Theatres, Inc. Cost, \$250,000. Will be two-story store and office section and stadium type theatre auditorium to seat 1500 people.

SAN DIEGO, Cal.—Warner Bros. purchased property at corner of Seventh and B Sts. for theatre building to cost \$1,000,000.

LOS ANGELES, Cal.—Architect R. D. King, 1124 Van Nuys Bldg., completing plans for 1- and 2-story brick class C theatre and store building, 120x128-ft., at SE corner of Pico Blvd. and Crest Ave. for Richard-Boswell Realty Co.

WHARVES AND DOCKS

SANTA BARBARA, Calif.—Application has been made for war department permission to construct piers at Capitán, Santa Barbara County, as follows:

W. L. McLaine for a pier 34 ft. wide extending seaward about 7½ ft. from mean high tide line on State Tideland Prospecting Permit No. 175.

F. C. Adams for a pier 34 ft. wide extending seaward about 7½ ft. from mean high tide line on State Tideland Prospecting Permit No. 175.

Plans showing location of proposed work will be on exhibition in the office of the U. S. Engineer, 725 Central Bldg., Los Angeles, until 11 A. M., Tuesday, Dec. 31. W. H. Amann, Major, Corps of Engineers, District Engineer.

MISCELLANEOUS BUILDING CONSTRUCTION

SAN FRANCISCO.—Until January 6, 7:30 P. M., bids will be received by Frank T. Kennedy, secretary, Board of Fire Commissioners, Room 2, City Hall, to drydock, repaint hulls, overhaul and repair fireboats "Dennis T. Sullivan" and "David Scannel." Spec. obtainable from sec'y.

RIO LINDA, Sacramento Co., Cal.—Until December 31, bids will be received by Rio Linda Poultry Producers' Association, for contract of trucking during year 1930. Further information obtainable from manager of the association at Rio Linda.

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byrnes is making estimates of cost for a municipal gas holder, to be constructed in the event a 25-cent rate is granted the city by the State Railroad Commission.

SANTA BARBARA, Cal.—Carpenteria Airport, W. C. Smith Jr., manager, plans improvement of airport property by grading and installation of drainage system and construction of fireproof concrete hangars and small hotel. Cost, \$50,000.

SANTA PAULA, Ventura Co., Cal.—Property in vicinity of South Mill and Harvard Sts. being purchased for development of airport by local fliers. Hangars for 6 airplanes will be erected.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in these opportunities will be furnished on request to Business Opportunity Department, Larsen Advance Construction Reports, 547 Mission Street, San Francisco, or phone KEarny 1252.

16065—Washing Machine Representation in Groceries. San Francisco, Cal. American, who lived ten years in San Francisco, residing in Athens, Greece, wishes to represent manufacturer of washing machines. Local commercial references.

16066—Raw Palm Fibre. New York, N. Y. Company is inquiring for the names of importers of palm fibre.

16067—Oriental Produce. Kobe, Japan. Firm wants to contact importers of Japanese, Chinese, and Manchurian produce.

16068—Canned Fruit, Meat and Vegetables. Bombay, India. Company is interested in importing canned fruit, meat, and vegetables.

16069—Bags. Santurce, Porto Rico. Party wants connection with importers of bags.

16070—Representation in Argentina. Baranquilla, Colombia. Party wishes to represent exporter of any commodity except paper. Local reference.

16071—Advertising Salesman. San Francisco, Calif. Publishers of foreign book, giving information for finance, industry, agriculture, and commerce, officially sponsored by the foreign government concerned, wants advertising space salesman for the Pacific Coast.

16072—South American Representation. San Francisco, Calif. College graduate, 23 years of age, of good personality and appearance, desires to represent a San Francisco firm in South America.

16073—Representation in Hawaii. Hilo, Hawaii. Import house wants to represent Pacific Coast manufacturers of the following lines: Work and dress shirts, dress and work shoes, trunks and suit cases, novelties, glass jars and bottles, and automobile license plates.

16074—Pan Oil. Honolulu, T. H. Bakery wishes to purchase pan oil, a grease for bread pans.

16075—Merchandise Broker. St. Croix, Virgin Islands. Party desires to get terms of sale, shipment, etc., from a merchandise broker.

16076—Rose Quartz. Reno, Nev. Parties owning large rose quartz property desires to communicate with San Francisco exporters.

D-3355—Heel Protector. Salinas, Calif. Parties want to communicate with San Francisco firm able to manufacture their heel protectors, designed to go on rubber-soled shoes, from a pulp or other paper material.

D-3356—Food Products Representation. Pasadena, Calif. Party wishes to represent a line of well known food products. Works on a strictly commission basis, and will cover any part of the West Coast.

D-3357—Representation. New York, N. Y. Concern is seeking agent on the coast for artificial leather, brighten roll leaf, and bookbinders' supplies.

D-3358—Representation in the East. Rochester, New York. Company will salesman covering the eastern states wants to add one or two lines on an exclusive factory representation basis.

D-3359—Excelsior. Pensacola, Florida. Company is interested in making connections with buyers of excelsior in carload lots.

SAN FRANCISCO.—J. L. Sparling, Dean and Vice President, Bay City, Michigan, is interested in contacting someone who is able to manufacture his line of mill supplies in the San Francisco Bay District.

T. S. Cingan of Seattle, vice-president of the Pacific Coast Steel Company in charge of the Seattle plant, will become vice-president in charge of operations of all the company's plants on the Pacific Coast. Bethlehem Steel Corporation officials announce. Cingan will have headquarters at San Francisco, starting January 1. It was also disclosed that the Pacific Coast Steel Company will be reorganized as the Pacific Steel Corporation, a subsidiary handling all Bethlehem Steel Corporation activities on the West Coast.

Engineering News Section

BRIDGES

SAUSALITO, Marin Co., Calif.—T. A. Tomasin of San Francisco, has been granted an extension of time until June 30 to commence construction of a bridge across Richardson Bay between Sausalito and Belvedere.

STOCKTON, San Joaquin Co., Calif.—Until January 20, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to remove present floor and replace with new flooring on the steel bridge over Middle river on the Borden Highway between Drexler Tract and Victoria Island, five miles west of Hold Station. Cert. check 10% payable to Chairman of Board of Supervisors required with bid. Bond of 50% of contract price required with successful bidder. Plans obtainable from County Surveyor Julius B. Manthey.

STOCKTON, San Joaquin Co., Calif.—Until January 20, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to remove existing floor and construct a new floor system on bridge over Burns Cut-Off (between Rough and Ready and Roberts Islands) on Borden Highway about 4 miles west of Stockton. Cert. check 10% payable to Chairman of Board of Supervisors required with bid. Bond of 50% of contract price required with successful bidder. Plans obtainable from County Surveyor Julius B. Manthey.

STOCKTON, San Joaquin Co., Calif.—L. Ubels, Ripon, at \$1735 awarded contract by county supervisors to construct timber bridge over North Calaveras river on Tully road in Rd. Dist. No. 1.

DREDGING, HARBOR WORK AND EXCAVATIONS

NEWPORT BEACH, Orange Co., Calif.—Until 7:30 P. M., Jan. 13, bids will be received by the city council for constructing improvements at the harbor under the recent bond issue, estimated to cost \$200,000, of which \$150,000 will be expended for dredging an \$50,000 for groynes work. The items are: (1) 400,000 cu. yds. dredging; (2) 275,000 cu. yds. inside dredging; (3) 125,000 cu. yds. bar dredging at outer end of channel; (4) 14,100 tons stone in place in rock groyne; (5) removing of approx. 4000 tons rock revetment. R. L. Patterson, city engineer. Plans may be obtained on deposit of \$10. Cert. check 5%.

IRRIGATION PROJECTS

PHOENIX, Ariz.—The Verde River Irrigation and Power District will make application at once to the Secretary of the Interior for permit to construct a dam on the Verde River for development of the Paradise Valley. Tentative plans call for the construction of a dam that will impound 1,200,000 acre feet of water for the irrigation of 100,000 acres of land. J. D. Bowers is president of the district.

PORTERVILLE, Tulare Co., Calif.—State department of public works engineers are surveying route for proposed canal which is to serve the Porterville district from the Kings river.

OROVILLE, Butte Co., Calif.—A petition seeking organization of the Rio Seco Irrigation District, to serve lands in the Richvale District, has been filed with the county supervisor. A hearing on the petition will be held January 6.

MACHINERY & EQUIPMENT

GRANGE, Orange Co., Calif.—Until 1 P. M., Jan. 7, bids will be received by the city council for furnishing one road grader for the use of the street department, the grader to have 8-ft. blade, weighing approximately 4000 to 4700 lbs. and may be straight wheel or leaning wheel type, equipped with tractor hitch

and offset pole. Cashier's check or bond, 10%. Paul E. Clark, city clerk.

EL CENTRO, Imperial Co., Calif.—The county purchasing agent has been authorized to advertise for bids for a dump truck chassis for road district No. 2 (El Centro District).

FIRE ALARM SYSTEMS

SAN BRUNO, San Mateo Co., Calif.—City trustees contemplate purchase of a Siracone fire siren at a cost of \$975 to be installed on the firehouse tower.

OAKLAND, Cal.—Until January 9, 12 noon, bids will be received by Frank C. Merritt, city clerk, to furnish traffic signals and traffic signal timers to city. Bond of 50% of contract price required of successful bidder. See call for bids under official proposal section in this issue.

RESERVOIRS AND DAMS

SACRAMENTO, Cal.—Engineers of the American River Flood Control District, meeting with the State Reclamation Board, recommended the construction of a dam at Folsom and a 1000 ft. river channel opposite North Sacramento which would provide adequate facilities for controlling floods on the American river. The engineers advise letting the state, federal government or private interests undertake the construction instead of permitting the district to attempt financing the project, the cost of which is \$12,282,000. The reports were submitted by A. M. Barton, chief engineer and E. A. Etcheberry, consulting engineer for the district.

PIPE LINES, WELLS, ETC.

SAN LUIS OBISPO, San Luis Obispo Co., Calif.—Construction will be started at once by the Union Oil Co. on an additional oil pipe line from Coalings to Port San Luis. The line will be approximately 80 miles long and will cost approximately \$1,000,000. It will parallel the present lines of the company to the port terminus at San Luis Obispo.

WATER WORKS

NEWPORT BEACH, Orange Co., Calif.—R. L. Patterson, city engineer, has announced that the city will expend within the next few months, \$5000 for new water mains, fire hydrants, valves, etc.; \$5,000 for the construction of a tank at the main reservoir.

SACRAMENTO, Cal.—Crane Co., Sacramento, at \$2434.50 awarded contract by city to fur. and del. pipe and fittings for city park department.

SACRAMENTO, Cal.—McKesson-Kirk-Geary Co., at \$7060 awarded contract by city to fur. 400 tons of sulphuric acid for use as municipal filtration plant.

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SAN BRUNO, San Mateo Co., Calif.—Proceedings have been started by the city trustees for an extension to the San Bruno water service along Tanforan Ave. to provide for buildings now in course of construction.

BURBANK, Los Angeles Co., Calif.—Until 7:30 P. M., Jan. 7, bids will be received by the city manager, W. S. Paterson for furnishing complete one centrifugal pump and motor. Spec. may be obtained from the city manager. F. S. Webster, city clerk.

BURBANK, Los Angeles Co., Calif.—Until 7:30 P. M., Jan. 7, bids will be received by the city council for furnishing and delivering at the city pumping plant, located about one mile south of the city limits, one main line meter with all parts complete. Spec. may be obtained from the city clerk, F. C. Hemmhalch. Cert. check, 10%.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 31, bids will be received by D. P. Nicklin, purchasing agent, Los Angeles water and power bureau, 207 S Broadway, for centrifugally cast, bell and spigot, cast iron water pipe under Adv. 1257, furnished in 16-ft. lengths, as follows:

Item I.—Approx. 60,000 lin. ft. 8-in. dia. cast iron water pipe, thickness of shell not less than .46-in., to be delivered to department's Hewitt St. yard, Los Angeles.

Item II.—Approx. 20,000 lin. ft. 8-in. dia. cast iron water pipe, thickness of shell not less than .46-in., to be delivered to department's Slauson yard, Los Angeles.

Item III.—Approx. 24,000 lin. ft. 8-in. dia. cast iron water pipe, thickness of shell not less than .46-in., to be delivered to department's yard, Vesper and Aetna Sts., Van Nuys.

Item IV.—Approx. 40,000 lin. ft., 6-in. dia. cast iron water pipe, thickness of shell not less than .44-in., to be delivered to department's Hewitt St. yard, Los Angeles.

Item V.—Approx. 20,000 lin. ft., 6-inch dia. cast iron water pipe, thickness of shell not less than .44-in., to be delivered to department's Slauson yard, Los Angeles.

Item VI.—Approx. 8,000 lin. ft., 6-inch dia. cast iron water pipe, thickness of shell not less than .44-in., to be delivered to department's yard, First and Meyer Sts., San Pedro.

Proposals will also be considered on all above items of pipe to be furnished in 12-ft. lengths.

All pipe proposed to be furnished under this specification shall be guaranteed to withstand a water working pressure of 350 lbs. per square inch, and shall be centrifugally cast cast iron pipe or equal. Each length of pipe shall have cast upon it in raised letters that can be easily read the initials of the maker's name, the letters, "L.A.W.W." and the year of manufacture.

The thickness of shell on pipe to be furnished under this specification shall be not less than the dimensions shown for respective items above. Pipe shall be made from first quality iron and the chemical analysis of said iron regardless of other tests shall conform to the following limits in chemical composition: Sulphur .10%; phosphorus .90%; manganese .55% to .35%; silica 1.10% to 1.20%.

EL CENTRO, Imperial Co., Calif.—Until 7:30 P. M., Jan. 8, bids will be received by the city council for furnishing certain pumps, motors and casings to the city, as follows:

Item 1.—One horizontal, split case, ball bearing pump, direct connected through flexible coupling to a horizontal, ball bearing, self starting motor; the whole to be mounted upon a substantial cast iron base and to include a push button starter of proper size with overload and undervoltage protection. The motor shall be three-phase, 60-cycle, 440 volts, 40 deg. rated,

and the pump shall have a capacity of 450 gal. per min. with a total head of 180 ft. The unit shall be designed to be non-overloading at all points.

Item 2.—One horizontal trash or dredging pump, designed to handle a sludge or solution carrying approximately 65% of water and 35% of fine sand and silt, by weight. Pump shall be direct connected to a horizontal, ball bearing, self starting motor; the whole to be mounted upon a substantial cast iron base and to include a push button starter of proper size with overload and undervoltage protection. The motor shall be 2-phase, 50 cycles, 440 volts, 40 deg. rated and the pump shall have a capacity of 1000 gal. per minute against a total head of 54 ft., and shall be equipped with a suction elbow with hardhose plate. The unit shall be designed to be non-overloading at all points.

Item 3.—1200 lin. ft. of 12-lb. industrial T rail with the necessary flanges and bolts for connecting the rails. Per ton, 1000 lin. ft. of 7 1/2-in. I. D. (8-in. O. D.) casing, plain ends, with necessary Bresser or Dayton couplings and 600 lin. ft. 4-in. O. D. casing with necessary screw couplings. Per ft.

Bidders may bid on any or all items. Cert. check or bond 10%. J. C. Neale,

SIERRA MADRE, Los Angeles Co., Cal.—Earl J. Lynde, city engineer, has announced plans for water improvements to be made under the 1928 bond issue of \$180,000, of which about \$40,000 has been expended. Bids will be called next month on about 40,000 ft. of trenching, laying and backfilling of 5-in. to 16-in. welded steel pipe line. The pipe has been purchased. Work outlined by the city engineer is included in the following program:

1. Well No. 1.—Pumping equipment to be changed to meet lowered water level.
2. New mains and surface pipe to canyon properties. This to include the 16-in. force main from Central Ave. plant to the site of the proposed reservoir at Skyline Ave. and the necessary connections to Mira Monte reservoir.
3. 12-in. line from Mira Monte reservoir to Grove St. reservoir.
4. Extension of main on E. Grandview Ave.
5. Main on E. Central from Baldwin to east city limits.
5. Extension of Carter main to Grove St.
7. 5-in. mains on San Gabriel Court, Santa Anita Court and Sierra Place.
8. Automatic measuring and pressure gauges.
9. 6-in. and 8-in. mains on W. Grand View from Sierra Madre to Grove.
10. New booster to be installed on new 16-in. line at central plant.
11. New wier house and gauges at central plant.
12. No-voltage release on big booster at Mira Monte and repairs to pump.
13. Repairs to little booster (new starter box) at present in Mann well. To be moved to Mira Monte.
14. 500 ft. of 16-in. discharge lines from well No. 1 to settling basin, using riveted steel pipe.
15. Miscellaneous replacement of small mains throughout the system.

SAN BRUNO, San Mateo Co., Cal.—E. J. Redman, Patterson Bldg., Fresno, at \$3664.50 submitted low bid to city to extend water services to Sneath Lane. Other bidders were: DeGolyer & Bruce, Oakland; Jas. Currie, Burlingame and A. G. Connor, Redwood City. Taken under advisement.

PLAYGROUNDS & PARKS

HANFORD, Kings Co., Cal.—T. M. Grabow, landscape architect of San Francisco, has completed plans for the development of the Kings County Fair Grounds for a county park. The park will include about 73 acres, and will provide swimming and bathing facilities with a reservoir for irrigation, bowling greens, boat houses, tennis courts, basket ball courts, drives, walks and landscape work. Members of the park commission are: F. J. Bowden, chairman, Hanford; Beecher Church, Guernsey; Harry Lowe, Kings River; Conrad Orton, Stratford, and Lowell Marvin, Lemoore.

CONCORD, Contra Costa Co., Cal.—Town trustees are asking bids for beautification of town park, involving the planting and planting of shade trees, shrubbery and hedges.

SAN FRANCISCO—A plot of ground 100 yards by 300 yards at 19th Ave. and Sloat Blvd. has just been leased from the Spring Valley Water Co. by Joe Edwards, golf professional, formerly with Roos Bros. Edwards proposes to establish a new outdoor golf practice fairway on the site and expects to have it ready shortly after the first of the year.

SEWEKS & STREET WORK

SANTA CRUZ, Santa Cruz Co., Cal.—Thompson Bros., Santa Cruz, at \$6142.35 awarded contract by city council (400-c) to imp. portion of Third St., involv. cem. conc. pave., curbs, walks, driveway approaches; vit. clay pipe sewer laterals, pipe drains, wrought iron water service connections.

SANTA CRUZ, Santa Cruz Co., Cal.—Thompson Bros., Santa Cruz, at \$6142.35 awarded contract by city council (400-c) to imp. portions of Squel Ave. and Front St., involv. cem. conc. pave., curbs, walks, catchbasins; vit. clay pipe lateral sewers.

KERN COUNTY, Cal.—Un- January 22, 2 P. M., bids will be received by State Highway Commission to grade and surface with oil treated crushed gravel or stone, 9.7 miles between San Emigdio and Route 66, for bids under official proposal section in this issue.

REDONDO BEACH, Los Angeles Co., Cal.—City officials and property owners plan to improve streets in Villa Tract which is to be annexed to the city within the next few months if present plans succeed. The street work proposed will total about 6 1/2 miles of 20-ft. streets, paved with asphaltic concrete, costing about \$500,000.

SAN FRANCISCO—Until January 8, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Andover St. bet. Eugenia Ave. and Powhattan Ave. (where not) involv. cem. curbs; conc. pavement, and Gates St. bet. Eugenia Ave. and Powhattan St. (where not), involv. cem. curbs; side sewers; 7-ft. strip of basalt block pave. on conc. base adjacent to center of street and asphalt conc. pave., consisting of 6-in. conc. base with 1 1/2-in. asphalt concrete surface pavement. Est. cost \$800. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN FRANCISCO—Until January 8, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve 28th Ave. bet. Moraga and Noriega Sts., and 31st Ave. bet. Julian and Kirkham Sts. (where not) involv. cem. curbs; side sewers; 6-in. conc. base pave. with 1 1/2-in. asphalt concrete surface. Est. cost \$2,800. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN FRANCISCO—Until January 8, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Prospect Ave. bet. Coso Ave. and Esmeralda Ave. (where not) involv. cem. curbs; 6-in. conc. pave. with 1 1/2-in. asphalt conc. surface. Est. cost \$800. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SANTA ROSA, Sonoma Co., Cal.—J. V. Galbraith at 46c yard awarded contract by supervisors to grade county road bet. Guerneville and Armstrong Woods, involv. 12,000 cu. yds.

OAKLAND, Cal.—Frederickson & Watson Const. Co., 354 Hobart St., Oakland, awarded contract by city to sewer portions of Wood Drive, Estate Drive, Sullard Drive, etc., involving 8-in. vit. pipe sewer, \$1.85 lin. ft.; 8-in. c. i. pipe sewer, includ. conc. piers, \$3.50 lin. ft.; manholes \$75 each; 12-in. lampholes, \$30 each; 8-in. lamphole, \$20 each; 8-in. drop lamphole, \$25 each; drop connection, \$30 each; wye branches, \$1 each.

KERN COUNTY, Calif.—As previously reported, bids will be received January 15 by State Highway Comm. to grade and surface with bituminous macadam, 15.5 miles bet. west boundary and Junction Pumping Station. Project involves: 145,600 cu. yds. rdwy. excav. without class; 480,000 sta. yds. overhaul; 3580 cu. yds. struct. excav.; 9,200 tons crusher run base; 3350 m. gals. water applied to subgrade and crusher run base; 2200 blms. fuel oil; 21,250 tons broken stone (bltm. mac. surf.); 460,925 ton miles haul (broken stone and gravel); 115 tons of emulsified asphalt; 165 cu. yds. class A cem. conc. (struct.); 12,650 lbs. bar reinf. steel (struct.); 2980 lin. ft. 18-in., 586 lin. ft. 24-in., 172 lin. ft. 36-in. and 288 lin. ft. 24-in. metal pipe; 2481 lin. ft. corr. metal pipe (clean and relay); 8.7 m. noise and reset property fences; 22.5 mi. new property fence; 40 gates complete in place; 317 sta. finish rdwy.; 78 monuments. State will fur. corr. metal pipe.

IMPERIAL CO., Cal.—As previously reported, bids will be received January 15 by State Highway Comm. to grade and repair with Port. cement concrete, 2.9 miles bet. Myers Creek Bridge and 3 miles east of Coyote Wells. Project involves: 27,800 cu. yds. rdwy. excav. without class. (Loc. 1); 12,000 cu. yds. rdwy. excav. without class. (Loc. 2); 300,000 sta. yds. overhaul; 760 cu. yds. struct. excav.; 33,000 sq. yds. subgrade for cem. pave.; 6500 cu. yds. class A cem. conc. (pave.); 100 cu. yds. class A cem. crusher run base; 115 tons emulsified asphalt; 165 cu. yds. class A cem. conc. (struct.); 174,300 lbs. bar reinf. steel (pave. and struct.); 300 cu. yds. cushion course; 192 lin. ft. 24-in. and 54 lin. ft. 36-in. corr. metal pipe; 16 lin. ft. corr. metal pipe, clean and relay; 20 cu. yds. remove and dispose of cem. conc. in existing pave. and struc.; 68 cu. yds. dry rubble retaining walls; 155 sta. finish rdwy.; 24 monuments. State will fur. corr. metal pipe.

NAPA, Napa Co., Cal.—Until January 6, 7:30 P. M., bids will be received by H. H. Thompson, city clerk, (53) to const. 6-in. vit. ironstone sewer in Bailey St. from 4th St. extended east and running south 30 ft., etc., including wye branches; br. manhole. Est. cost, \$1200. 1911 Act Cert. check 10% payable to city req. with bid. Plans on file in office of clerk. H. A. Harrold, city engineer.

COLUSA, Colusa Co., Cal.—County Supervisors will expend approximately \$150,000 during year 1930 to finance new roads and road improvements. One of the big units in the program will cover a mile of new highway between Sites and Mills Orchard.

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LOS ANGELES COUNTY, Cal.—Until January 22, 2 P. M., bids will be received by State Highway Commission to grade 1.5 miles between two and one-half and four miles northerly from La Canada. See call for bids under official proposal section in this issue.

IMPERIAL COUNTY, Cal.—Until January 22, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete 9.0 miles between El Centro and Holtville. See call for bids under official proposal section in this issue.

RIVERSIDE COUNTY, Cal.—Until January 22, 2 P. M., bids will be received by State Highway Commission to pave with Portland cement concrete 0.5 miles at Wineville. See call for bids under official proposal section in this issue.

IMPERIAL COUNTY, Cal.—Following bids rec. Dec. 26 by State Highway Comm. to grade and pave with asphalt conc. 5.0 mi. bet. Dixieland and Seeley:
R. E. Hazard Contracting Co., San Diego \$111,446
Basch Bros. Constr. Co., L. A. 113,522
Ben Pearce Contracting Co., San Diego 129,970
V. R. Dennis Con. Co., San Diego.. 135,922
Gibbons & Reed, Burbank..... 140,518

HERMOSA BEACH, Los Angeles Co., Cal.—Until 8 P. M., Jan. 7, bids will be rec. by city council for improving Sepulveda Blvd. within the city limits on the route of the Sepulveda Blvd. improvement from San Fernando Valley to the ocean, about 3000 lin. ft. roadway to be part 35 ft. wide and from 66 to 125 ft. wide at the north end, involving: 20,000 cu. yds. excav.; 120,000 sq. ft. 7-in. asphalt paving; 70,000 sq. ft. resurf. with asphalt conc.; 970 ft. 8-in. cement sewer; manholes; 6,000 ft. class A curb. Chas. F. Saunders, city eng.

NEWPORT BEACH, Orange Co., Cal.—Fleming Const. Co., 105 N Park Ave., Pomona awarded contract by city council, at \$35859 for improving Seville Ave. and other streets and certain alleys under 1911 and 1015 acts, involving: 80,555 sq. ft. 6-in. cem. conc. pave.; 26,236 sq. ft. cem. sidewalk; 4795 ft. cem. curb; 59,704 sq. ft. 6-in. disintegrated granite pave.; 2644 ft. 8-in. vit. clay sewer pipe; 5 sewer house connections; 9 brick manholes; 5 concrete flush tanks; 1 lamp hole; water system; ornamental lights (27 Marbellite posts with cables, etc.)

STOCKTON, San Joaquin Co., Cal.—Perlera & Reid, at \$2480 awarded contract by county supervisors to construct an embankment across Wiskey Slough, shape roadbed to grade and install culvert in Road Dist. No. 1.

Pacific Portland Cement Company on December 27 declared the regular quarterly dividend of \$1.62½ a share on the preferred stock, payable January 5 on stock of record December 31.

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Official Proposals

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on January 22, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Kern County, between San Emigdio Road and Route Four (VI-Ker-57-C), about nine and seven-tenths (9.7) miles in length, to be graded and surfaced with oil treated crushed gravel or stone.

Los Angeles County, between two and one-half and four miles northerly from La Canada (VII-L.A.-61-A) about one and five-tenths (1.5) miles in length to be graded.

Imperial County, between El Centro and Holtville (VIII-imp.-27-C), about nine (9.0) miles in length, to be graded and paved with Portland cement concrete.

Riverside County, at Winville (VIII-Riv-19-A), about five-tenths (0.5) mile in length, to be paved with Portland cement concrete.

Proposals forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 64, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor who has a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated.

The District Engineer's offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop. A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint investigation be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposals Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS,
C. H. PURCELL,
State Highway Engineer.

Dated December 14, 1929.

NOTICE TO CONTRACTORS
(High School Unit—Hanford Joint Union High School District)

Pursuant to an order of the Board of High School Trustees of the Hanford Joint Union High School District, Hanford, California, duly made and entered in its minutes on the ninth day of December, 1929, notice is hereby given that said Board will receive sealed proposals

Official calls for bids or proposals will be inserted in this section at the rate of \$10 per line, per insertion. It is the experience of architects, engineers and public officials that publishing advertisements in this section has been the means of saving many thousands of dollars on their projects resulting from wide publicity. Constant advertisers in this section include the various departments of the Federal Government, California State Department of Public Works, irrigation districts, school districts and private owners. When bids are desired—competition is wanted. Advertisements in this column bring competition—and competition means the lowest possible bid.

up until 7:00 P. M. of January 13, 1930, at the High School Building, Hanford, California, for furnishing and erecting and completing the proposed additional unit to the present High School building, in accordance with plans and segregated specifications as follows:

A—Carpentry, Concrete Work, Mill-work, Reinforcing Steel, Structural Steel and Miscellaneous Iron, Sheet Metal Work, Glazing, Metal Stall Partitions, Blackboards, Finish Hardware.

B—Painting
C—Composition and Tile Roofing.
D—Electric Wiring, Clocks, etc.
E—Plumbing.
F—Heating.
G—Plastering, Lathing and Ornamental Cast Cement.

Plans and specifications on file with the Secretary of said Board. Copies of same together with form for submitting bids and instructions to bidders, may be obtained at the office of Shields, Fisher & Lake, 1501 Pacific Southwest Building, Fresno, the authorized architects of the said Board.

A certified check or bidder's bond equal to 10 per cent of total amount of bid submitted, must accompany the proposal.

No bids will be considered unless submitted on uniform proposal blank provided for that purpose.

Contractors may bid on any of the above segregated specifications or on any combined group of Specifications and the Board reserves the right to reject any or all bids.

By order of the Board of High School Trustees of the Hanford Joint Union High School District.

G. W. ARMSTEAD,
Clerk of Board of Trustees.
D&K

NOTICE TO BIDDERS
(Traffic Signals and Timers—Oakland)

The Council of the City of Oakland will receive sealed bids on Thursday, January 9, 1930, between the hours of 11:00 A. M. and 12:00 M., for furnishing traffic signals and traffic signal timers to the City of Oakland.

Specifications and blank forms of proposals will be furnished by City Clerk on application. Bond for 50 per cent of contract price for faithful performance of contract to be given by successful bidder. Contract to be entered into within 10 days after award and signals and timers to be delivered within 90 days thereafter.

FRANK C. MERRITT, City Clerk.
D&K

NOTICE TO BIDDERS
(Chairs—Memorial Building—Willows, Calif.)

Notice is hereby given that sealed bids will be received by the Board of Supervisors of Glenn County, Calif., at the office of the county clerk in Willows, Calif., until eleven o'clock A. M., Tuesday January 14, 1930, for the supplying and installing of approximately 750 folding portable chairs in the auditorium of the Willows Memorial Building. Prices

quoted shall be for chairs in groups of twos and threes.

Each bid must be accompanied by a certified check for at least ten per cent of the amount of bid as a guarantee that the party to whom the contract is awarded will enter into the necessary agreement and bond for the faithful performance of said contract, and failing to do so the bid check will be forfeited to the county of Glenn in the manner prescribed by law.

The Board reserves the right to reject any or all bids.

All envelopes containing bids must be marked in plain letters "BID".

Witness my hand and the seal of the Board of Supervisors of Glenn County, California, affixed this 10th day of December, 1929.

(SEAL) W. B. SALE, Clerk.

D&K
NOTICE TO CONTRACTORS
(Specification No. 5956—Mare Island Navy Yard)

SEALED BIDS, indorsed "Bids for a Gasoline Tank, Alterations to Garage, Installation of New Downspouts, Alterations and Repairs to Dormitory and a New Water Trough, U. S. Naval Radio Station, Point Reyes, California, Specification No. 5956," will be received at the office of the Public Works Officer, Navy Yard, Mare Island, California, until 11 o'clock A. M., January 22, 1930, and then and there publicly opened, for providing and installing a gasoline tank, alterations to garage, installation of new downspouts, alterations and repairs to dormitory, and a new water trough, at the U. S. Naval Radio Station, Point Reyes, California.

Specification No. 5956 and accompanying drawings may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., or to the Commandant, Navy Yard, Mare Island, California.

Deposit of a check or postal money order for \$5.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specifications.

L. E. GREGORY,
Chief of Bureau.

December 21, 1929.
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS
NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the Department of Public Works, Division of Highways, at the office of the District Engineer, 502 State Office Building, Sacramento, California, until 2 o'clock P. M., on January 6, 1930, at which time they will be publicly opened and read, for performing work as follows.

Sacramento County about 8 miles north of Sacramento (III-Sac-3-B) moving buildings, appurtenances and utilities and placing over treated crushed gravel or stone surfacing.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the above address.

No bid will be received unless it is made on a proposal form furnished by the District Engineer. Each bids must be accompanied by cash, or a certified check made payable to the Director of Public Works, for an amount equal to ten (10) per cent of the amount bid, such guaranty to be forfeited should the bidder to whom the contract is awarded fail to enter into the contract.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS,
C. H. PURCELL,

State Highway Engineer.
By C. H. WHITMORE,
District Engineer, Dist. III.

Dated: December 21, 1929.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMIT APPLICATIONS

San Francisco County

No.	Owner	Contractor	Amt.
2383	Beeman	Jenkins	1000
2389	Bernell	Bernell	4000
2390	Costello	Owner	3000
2391	General	Lindgren	15000
2392	Sergo	Owner	3500
2393	Pacific	Owner	350000
2394	Ruef	Sullivan	1000
2395	Erickson	Owner	1500
2396	Wright	Steverson	1950
2397	Capital	Drake	1000
2398	Jacobs	Owner	3500
2399	Elkington	Owner	5000
2400	Godin	Godin	3500
3001	Langendorf	Indus	10000
3002	Ohlsen	Owner	3500
3003	O'Brien	Prout	7000
3004	Pacific	Owner	3000
3005	Scharrer	Thulin	1185

RAISE DWELLING
(2398) 25 MILTON ST.; raise and underpin dwelling.
Owner—J. Beeman, 25 Milton St.
Contractor—Jenkins & Gross. \$1000

DWELLING
(2395) W BOWDOIN 200 N Felton; one-story and basement frame dwelling.
Owner—G. Bernell, 201 Hamilton St.
Contractor—None.
Contractor—N. F. Bernell, 201 Hamilton Street. \$4000

DWELLING
(2399) W 17th AVE. 429 S Kirkham; one-story and basement frame dwelling.
Owner—M. Costello, 821 34th Ave.
Architect—None. \$3000

SERVICE STATION
(2391) NE COR. FELL & BAKER; two-story concrete super-service station; 1-story concrete service station.
Owner—General Petroleum Co., Alaska Commercial Bldg.
Plans by owner.
Contractor—Lindgren & Swinerton, Standard Oil Bldg. \$15,000

DWELLING
(2392) E 27th AVE. 200 S Rivera; one-story and basement frame dwelling.
Owner—A. Sergo, 2239 26th Ave.
Architect—None. \$3500

GENERATING STATION
(2393) 23rd ST. bet. Georgia and Louisiana Sts.; four-story class A steel and concrete electric generating station.
Owner—Pacific Gas & Electric Co., 245 Market St.
Plans by owner. \$350,000

UNDERPIN DWELLING
(2394) S GREEN ST. 66 W Leavenworth; underpin dwelling.
Owner—Abe Ruef.
Architect—H. C. Baumann, 251 Kearny St.
Contractor—S. J. Sullivan. \$1000

DWELLING
(2395) W 14th AVE. 131 S Irving St.; one-story and basement frame dwelling.
Owner—E. Erickson, 1803 8th Ave.
Architect—None. \$4500

REPAIRS
(2396) 526 BRIGHT ST.; repair fire damage.
Owner—Ray Wright, 526 Bright St.
Architect—None.
Contractor—L. H. Stevenson, 130 Merced. \$1950

UNDERPIN
(2397) SW CALIFORNIA AND MONTGOMERY. Underpin walls.
Owner—Capital Co., 550 Montgomery St., San Francisco.
Architect—H. A. Minton, Bank of Italy

Bldg., Eddy and Powell Sts., San Francisco.
Contractor—H. E. Drake, 666 Mission St., San Francisco. \$1000

ALTERATIONS
(2398) NO. 333 KEARNY ST. Alter lobby of office building.
Owner—A. P. Jacobs, 105 Montgomery St., San Francisco.
Architect—A. J. Horstmann, 110 Sutter St., San Francisco. \$3500

DWELLING
(2399) W 16th AVE. 25 S Ulloa; 1-story and basement frame dwelling.
Owner—G. J. Elkington & Sons, 330 Vicente St.
Architect—C. F. Strothoff, 2274 15th St. \$5,000

DWELLINGS
(3000) S KEY 100 E Craut St.; two one-story and basement frame dwellings.
Owner—Mrs. G. Godin, 586 Monterey Blvd.
Architect—B. K. Dobkowitz, 425 Monterey Blvd.
Contractor—G. V. Godin, 586 Monterey Blvd. \$3500

ALTERATIONS
(3001) NW COR. 19th & SHOTWELL; alterations to 2nd and 3rd floors of offices.
Owner—Langendorf United Bakeries, McAllister and Fillmore Sts.
Mgr. of Const.—M. I. Schwartz, 308 Kearny Street.
Contractor—Industrial Const. Co., 515 Bryant St. \$10,000

DWELLING
(3002) E LIPFARD 105 N Bosworth; one-story and basement frame dwelling.
Owner—H. J. Ohlsen, 2809 Harrison St.
Architect—A. H. Ohlsen, 459 Turk St. \$3500

DWELLING
(3002) NW MAGELLAN 300 SW Sola Ave.; two-story and basement frame dwelling.
Owner—W. J. O'Brien, Mills Bldg.
Architect—None.
Contractor—J. Prout, 515 Magellan. \$7,000

SHOP
(3005) W DONNER AVE. 425 N Jennings; one-story steel frame shop.
Owner—Pacific Elec. Mfg. Corp., 5815 3rd Street.
Plans by Owners. \$3,000

DWELLING
(3005) S JOOST AVE. 125 E Genesee; 1-story and basement frame dwelling.
Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena Ave.
Architect—C. F. Strothoff, 2274 15th St. \$3,000

REPAIRS
(3005) 317 19th AVE.; repair fire damage.
Owner—Mrs. E. Scherrer, care 60 Brady.
Architect—None.
Contractor—A. L. Thulin, 60 Brady St. \$1185

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

BUILDING PERMITS

SAN FRANCISCO COUNTY

		Meyer
620	McCarthy	—
521	American	Back 5750
522	Same	Habericht 561
523	Same	Bateman 9300
524	Same	Clark 1335
525	Same	Coleman 489
526	Same	Gilmour 2275
527	Same	Carlson 625
528	Same	Hallensleben 2380
529	Same	Morrison 284
530	Same	Anderson 329
531	Same	Reed 1193
532	Same	Mission 6980
533	Same	Pinkerton 1736
534	Same	Jones 1419

DWELLING
(520) LOT 10 BLK 2959 map Sub. No. 4 Miraloma; all work on 2-story frame dwelling.
Owner—The McCarthy Co.
Architect—None.
Contractor—Meyer Bros., 727 Portola Dr. Filed Dec. 27, 1929. Dated Dec. 26, 1929.
Side and roof sheathing on..... \$132
Brown coated..... 1232
Completed..... 1232
Usual 35 days..... 14,923
TOTAL COST, \$14,923
Limit, 90 days. Plans and Spec. filed.

MARBLE WORK
(521) SE MISSION ST. 335 N Virginia Ave. NE 25 x SE 133-6; all marble work on building.
Owner—American Trust Co., 464 California St.
Architect—None.
Contractor—J. E. Back Co., 1523 San Bruno Ave.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments..... 75%
36 days after..... 25%
TOTAL COST, \$5750
Bond, \$5750. Sureties, Royal Indemnity Co. Limit, 15 days. Plans and Spec. filed.

(522) GLASS & GLAZING on above.
Contractor—R. Habericht and F. Howlett, 529 Clay St.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments..... 75%
36 days after..... 25%
TOTAL COST, \$561
Bond, \$561. Sureties, Royal Indemnity Co. Limit, 10 days. Plans and Spec. filed.

(523) CABINET WORK on above.
Contractor—Wm. Bateman, 1913 Bryant.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments..... 75%
36 days after..... 25%
TOTAL COST, \$8900
Bond, \$8900. Sureties, Union Indemnity Co. Limit, 15 days. Plans and Spec. filed.

(524) FURNISH & deliver enamel glazed pulschrome terra cotta on above.
Contractor—N. Clark & Sons, 116 Natoma.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments..... 75%
36 days after..... 25%
TOTAL COST, \$1325
Bond, \$1325. Sureties, Union Indemnity Co. Limit, 30 days. Plans and Spec. filed.

(525) PLUMBING & GAS - FITTING on above.
Contractor—Alexander Coleman, 746 Ellis.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments..... 75%
36 days after..... 25%
TOTAL COST, \$689
Bond, \$689. Sureties, Union Indemnity Co. Limit, 15 days. Plans and Spec. filed.

(526) FURRING, Lathing and plastering on above.
Contractor—Wm. G. and A. Gilmour, 666 Mission St.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments..... 75%
36 days after..... 25%
TOTAL COST, \$2275
Bond, \$2275. Sureties, Royal Indemnity Co. Limit, 20 days. Plans and Spec. filed.

(527) **ELECTRIC WIRING** on above.
Contractor—J. M. and D. H. Carlson, 1965
San Jose Ave.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments. 75%
36 days after. 25%
TOTAL COST, \$253
Bond, \$625. Sureties, Union Indemnity
Co. Limit, 15 days. Plans and Spec. filed.

(528) **MISCELLANEOUS & Ornamental**
iron on above.
Contractor—H. Hallensleben as Monarch
Iron Works, 262 7th St.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments. 75%
36 days after. 25%
TOTAL COST, \$2880
Bond, \$2880. Sureties, Union Indemnity
Co. Limit, 15 days. Plans and Spec. filed.

(529) **SHEET METAL WORK** on above.
Contractor—Morrison & Co., consisting of
V. H. Berg and J. C. Silveira, 74 Du-
bois Ave.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments. 75%
36 days after. 25%
TOTAL COST, \$284
Bond, \$284. Sureties, Royal Indemnity
Co. Limit, 15 days. Plans & Spec. filed.

(530) **PAINTING** on above.
Contractor—Edwin Anderson, 762 Clemen-
tina St.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments. 75%
36 days after. 25%
TOTAL COST, \$329
Bond, \$329. Sureties, Royal Indemnity
Co. Limit, 20 days. Plans and Spec. filed.

(531) **MASONRY, Granite, Brick work,**
Terra Cotta fue lining and setting of
architectural terra cotta.
Contractor—A. G. and G. W. Reed as
Reed & Reed, Hearst Bldg.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments. 75%
36 days after. 25%
TOTAL COST, \$1193
Bond, \$1193. Sureties, Royal Indemnity
Co. Limit, 15 days. Plans and Spec. filed.

(532) **EXCAVATING, grading and filling**
concrete work and cement finish on
above.
Contractor—Mission Concrete Co., 270
owner, Bay City Auto Repair, 20 Sac-
ramento St., 30, 1929. Dated Dec. 26, 1929.
Monthly installments. 75%
36 days after. 25%
TOTAL COST, \$6980
Bond, \$6980. Sureties, Royal Indemnity
Co. Limit, 30 days. Plans and Spec. filed.

(533) **HEATING** on above.
Contractor—J. H. Pinkerton, 927 Howard.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly installments. 75%
36 days after. 25%
TOTAL COST, \$1796
Bond, \$1796. Sureties, Royal Indemnity
Co. Limit, 15 days. Plans and Spec. filed.

(534) **CARPENTER WORK** on above.
Contractor—Thos. M. Dees, 645 29th Ave.
Filed Dec. 30, 1929. Dated Dec. 26, 1929.
Monthly payments. 75%
36 days after. 25%
TOTAL COST, \$1419
Bond, \$1419. Sureties, Royal Indemnity
Co. Limit, 30 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded December 24, 1929.
Dec. 30, 1929—NE LIBERTY & Sanchez
80 on Liberty x uniform depth of 51
on Sanchez. Jos W Walling to whom
it may concern. December 30, 1929

Dec. 30, 1929—PTN LOTS 18 and 19 Blk
3267 Map Blks 3260 to 3269 Balloun
Terrace. Addn. A J Herzog to whom
it may concern. December 30, 1929

Dec. 30, 1929—S CHESTNUT 939 West
Baker W 25 x S 85. Rosina & Oreste
Sedini to Sbarboro & Jorensen to whom
it may concern. December 30, 1929

Dec. 30, 1929—PTN LOTS 13 and 14 Blk
3054 and ptn Lots 14 and 15 Blk 3054,
Westwood Highlands. H and H Stone-
son to whom it may concern. December 30, 1929

Dec. 28, 1929—NE MCKINNON AVE 175
NW Lane NW 25xNE 100 Ptn Blk
248 South S. F. Hd Assn. Frank and
Gertrude FAVOR to R F Cassidy Co.
Dec. 28, 1929—NE STOCKTON AND

Pine N 275 E 234-3% S 120 S 17-6 E
20 S 57-6 W 20 S 37-6 W 275. Metro-
politan Life Insurance Co. to Sibley
Grading & Teaming Co. Dec. 13, 1929

Dec. 28, 1929—NW SANSOME AND
Halleck N 61-6 W 75 S 17-6 W 50 S
44 E 125. American Investment &
Realty Co. to Judson Pacific Co.
December 5, 1929

Dec. 27, 1929—W BRIGHTON AVE 173-4
S Ocean Ave S 25 x W 112-6. A N
Alsing to whom it may concern. December 26, 1929

Dec. 27, 1929—SE DRAKE AND Wind-
ing Way lot 1 blk 6140, Crocker Amazon
Tract. Wm E Grosman to whom it
may concern. December 26, 1929

Dec. 27, 1929—LOT 18 BLK 2501 map
Pinelake Park. Frederick T and E
Henrietta Mather to whom it may
concern. December 23, 1929

Dec. 27, 1929—LOT 16 BLK M map plat
showing ptn Silver Terrace. Joseph
H and Clare E Gozrakul to whom it
may concern. December 19, 1929

Dec. 27, 1929—729 MISSION ST. Chan-
deler Makers, Ltd to whom it may
concern. December 24, 1929

Dec. 27, 1929—SE GIRARD 181 S Sil-
man 19 ft in SE direction th at right
angles 120 N 25 W 60 x N 20 to beg.
G A Bormar to Jim T Hummer.
December 26, 1929

Dec. 26, 1929—E CAROLINA 200 and
225 S 20th S 25 x E 100. Marshall T
Struthers to whom it may concern.
December 26, 1929

Dec. 26, 1929—NE PRECITA VALLEY
and Folsom N 25 x E 75. Alexander
and Marie Greenland to George Berg-
strom. December 24, 1929

Dec. 26, 1929—S KIRKHAM 137-6 E 18th
Ave E 50 x S 104. Michael and Nellie
Costello to whom it may concern.
December 20, 1929

Dec. 26, 1929—LOT 16 BLK 3265 Ben
Franklin H. F J Greeley to whom
it may concern. December 26, 1929

Dec. 26, 1929—NW COR FREDERICK
and Delmar Sts N 100 x W 85-2. Maas
& Sauer to whom it may concern.
December 26, 1929

Dec. 26, 1929—CONG 600 N 85° 40' E 219
N 40° 20' W Humboldt and Georgia
Sts N 85° 40' E 30 N 60 W 30 S 60.
P G & E Co to Rees Blow Pipe Mfg
Company. December 19, 1929

Dec. 26, 1929—MINNA ST bet 4th and
5th Sts. Pacific Gravure Co to Bar-
rett & Hilp. December 12, 1929

Dec. 26, 1929—LOT 21 BLK map as to
St Addn Sub No 1. Walter Wm
Everton to whom it may concern.
December 24, 1929

Dec. 24, 1929—NW COR 25th Ave & N
Kirkham 25 on W 28th Ave x 95 on N
Kirkham St. Paul Giovannoni to M C
Renner. December 21, 1929

Dec. 24, 1929—S VALPARISO 62-6 E
Jones E 20 x S 60 ptn 50 V Lot 445.
Giamhattata Gotelli to B Pagan. December 24, 1929

Dec. 24, 1929—N SOUTHWOOD DRIVE
approx 140 W of inter. San Ramon
Way and Southwood Drive N 93 W 23
S 93 E 36 Lot 6 Blk 2199 Westwood
Park. George F Carney to R F Gall.
December 24, 1929

Dec. 24, 1929—E 17th AVE 80 and 107-7
S Quintara St. Harvey W Armbrust
to whom it may concern (two comple-
tions). December 22, 1929

Dec. 24, 1929—LOTS 15, 16 and 17 BLK
6945E map Sub No 1 Geneva Terraces.
California Pacific Title Co Trust Co
to whom it may concern (three comple-
tions). December 23, 1929

Dec. 23, 1929—N SEA VIEW TERRACE
and line drawn part with and 1st W
265 from W 30th Ave measure at
right angle thereto running W alg N
Sea View Terrace 35.03 by depth of
145.76 m or l. Philip E and Jane L

Damner to George J Elkington and
Son December 21, 1929

LIENS FILED

San Francisco County

Recorded December 24, 1929.
Dec. 28, 1929—S FULTON ST. 105-3 W
Masonic Ave W 50xS 100. Bacigalupi
& Dagnan vs Alice H Kinsey, Neva
Johnston and Geo Y Morton Co. \$30

Dec. 27, 1929—E 18th AVE 100 S Lin-
coln Way S 25 x E 120. Atlas Electric
& Engineering Co vs M and E Kruger
and Thos Hamill Bldg Co. \$723.50

Dec. 27, 1929—E 18th AVE 100 S Lin-
coln Way S 25 x E 120. Atlas Heating
& Ventilating Co vs Max and Eugenia
Kruger and Thos Hamill Bldg Co. \$406

Dec. 27, 1929—E 18th AVE 100 S Lin-
coln Way S 25 x E 120. A W Ston-
beck vs Max and Eugenia Kruger &
Thomas Hamill Bldg Co. \$345

Dec. 30, 1929—LOT 116-6 N Bal-
boa N 28-1 x E 114. San Francisco
Terrazzo Assn vs Thos Hamill. \$158.35

Dec. 30, 1929—N CLAY 179-6 E Larkin
E 21-6 N 72-114 W 21-5% N 6-3% W
42.0% S 0-84 E 12 S 80 to beg. Schra-
der Iron Works, Inc vs George Y Mor-
ton and Fred Mugele. \$92

Dec. 30, 1929—W POWELL 22 S Clay S
40 x W 75 lot 2 blk 225. California
Steel Products Co vs George Y Mor-
ton and Celestina Vivaldo. \$95.90

Dec. 30, 1929—S SUTTER 109-9 W Van
Ness Ave W 60 x S 120 lot 12 blk 690
Assessor's Map. California Steel Prod
Co vs George Y Morton and John
Rosenfeld's Sons. \$92

Dec. 30, 1929—S FULTON 131-3 W Ma-
sonic W 25 x S 100 lot 12 blk 1187 As-
sessor's Map. California Steel Prod
Co vs George Y Morton, Alice H Kin-
sey and Neva H Johnson. \$139.90

Dec. 30, 1929—E FUNSTON 225 S Lake
S 25 x E 120 lot 36 blk 1372 Assessor's
Map. California Steel Products Co vs
George Y Morton, Clarence C and Vi-
ola J Graham. \$46

Dec. 30, 1929—N CLAY 222-24 W Cherry
W 25 x N 127-84 lot 11 blk 991 Asses-
sor's Map. California Steel Prod Co
vs George Y Morton and Ella A Grug-
gel. \$138

Dec. 30, 1929—E 18th AVE 100 S Lin-
coln Way S 25 x E 120. Schrader Iron
Works, Inc, \$42; Wm J Anderson, \$33;
George Kennedy, \$222.35; Geo Camp-
bell, \$92; Milton E Jackson as G B
Jackson & Son, \$109.45; A W Mac-
Killop, \$109.45; Empire Planing Mill,
\$1457.65; James Cartley, \$150, vs Max
and Eugenia Kruger and Thomas Ha-
mill

Dec. 30, 1929—E SCOTT 100-3 S Ellis
S 49-9 x E 90 ptn WA 431 known as
1214, 1214A, 1214B, 1214C, 1214D and
1212 and 1212A Scott St. Frank Davi-
son vs Nathan Bronstein, Philip and
Mary Levin. \$273.50

Dec. 30, 1929—S MORAGA 32-6 W 21st
Ave W 25 x S 100. Pacific Terrazzo
Marble Co vs R N Gibson. \$71.45

Dec. 30, 1929—E 18th AVE 100 S Lin-
coln Way S 25 x E 120. P O Lind, \$204; R
S Holding, \$243.25; J H McCallum,
\$1729.83; J S and S I Guerin as J S
Guerin & Co, \$110.92, vs Thos Hamill
Bldg Co, Max and Eugenia Kruger.

Dec. 30, 1929—E 22nd AVE 150 S Kir-
kham S 25 x E 120 lot 29 blk 1873 As-
sessor's Map. Liberty Mill & Cabinet
Co, \$507; Guarantee Tile Co, \$35.50;
Alhambra Stucco Co, \$61.95, vs De-
Witt T Marshall.

Member Insurance Brokers' Exchange

FRED H. BOGGS

INSURANCE

490 GEARY STREET

Phone FRanklin 9400

San Francisco

Dec. 30, 1929—SW ITALY AVE & Paris SW 25 x NW 75 lot 5 blk 8 Excelsior Hd Assn. E W Wright & Co., Inc. \$74.50; Guarantee Tile Co. 42; O G Windell, \$89.60; A Band, \$315; Pacific Sheet Metal & Furnace Co. \$78.63; Oak Floor Co. \$135; B Blaiotto Co. \$854, vs Gustave A. Johnson.....

RELEASE OF LIENS

San Francisco County

Recorded Amount
Dec. 30, 1929—W 17th AVE 150 S San-lanaro, Smith Bros to Ida P. Celte, V E C Land M C Haley as Haley Prop.....
Dec. 30, 1929—W FILLMORE AVE 50 Grove S 57-6 W 122-6. Jesse Shay to Thos Hamill.....
Dec. 23, 1929—NW 25th & DIAMOND 55 on Diamond and 63 on 25th, known as 446 Diamond St. A Van Fleet for H F Suhr Co to Lorraine Carlson.....

LEASES

SAN FRANCISCO COUNTY

Dec. 20, 1929—Hartland Law to The Pacific Telephone & Telegraph Company—SW corner New Montgomery and Mission Sts, Rialto Bldg.
Dec. 17, 1929—Peter Fatenos to Arthur Barsocchini, John A Bossi and Herman Lutjens—645 Clement St. bet. 6th and 7th Aves Lick Market 30 months \$150 per month, etc.
Nov. 22, 1929—The Holmes Investment Co. to United States of America—N Post St., bet Kearny and Montgomery Sts. known as No. 68 Post St. 10 years. \$4800 per annum.

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Dec. 30, 1929—SE O'FARRELL ST & Powell E 62-6 x S 87-6 E 50 S 60 W 112-6 to E Powell N 137-6 to beg. United Stores Realty Corp as to improvements on property.....
Dec. 30, 1929—NE FILLMORE & O'Farrell having frontage of 44-5 on Fillmore x uniform depth of 107-6 on O'Farrell known as 1690 O'Farrell St. United Stores Realty Corp and Leontine Taravellier as to improvements on property.....

BUILDING PERMIT APPLICATIONS

Alameda County

No.	Owner	Contractor	Amt.
1924	Johnson	Owner	3500
1925	Oakley	Owner	3800
1926	Short	Owner	6500
1927	Wiren	Owner	2950
1928	Wilson	Owner	1000
1929	Lantry	Owner	3750
1930	Croll	Owner	1200
1931	California	Owner	3000
1932	Pauls	Breitkopf	1200
1933	Rademaker	Fisher	3300
1934	Rawson	Nelson	2750
1935	Sterns	Golden	1500
1936	Roddoe	Cederborg	1000
1937	Perkins	Owner	2950
1938	Bechmer	Thorpe	1000
1939	Converse	Owner	3500
1940	De Carlo	Morango	2500
1941	Farosich	Roth	1000
1942	Blackman	Webb	1300
1943	Hatch	Paige	14500
1944	Pacific	Barrett	35000
1945	State of Cal.	Bishop	12030

DWELLING

(1924) 2666 84th AVE., Oakland; one-story 5-room dwelling and garage.
Owner and builder—Carl Johnson, 2185 50th Ave., Oakland.
Architect—None. \$3500

DWELLING

(1925) 10814 BEVERLY AVE., Oakland; one-story 6-room dwelling.
Owner and builder—W. R. Oakley, 1911 65th Ave., Oakland.
Architect—None. \$3300

DWELLING

(1926) E LA CRESTA 125 N Hampel; 2-story 8-room dwelling.

Owner and builder—C. W. Short, 574 Rosal Ave., Oakland.
Architect—None. \$6500

DWELLING

(1927) 3341 68th AVE., Oakland; one-story 5-room dwelling and 1-story garage.
Owner and builder—Charles Wiren, 1829 Rosedale Ave., Oakland.
Architect—None. \$2950

WAREHOUSE

(1928) 917 18th ST., Oakland; one-story tile warehouse.
Owner and builder—F. H. Wilson, 800 McKinley Ave., Oakland.
Architect—None. \$1000

RESIDENCE

(1929) NO. 1624 STUART ST., Berkeley.
One-story 6-room 1-family frame residence.
Owner—J. R. Lantry, 739 Aileen St., Oakland.
Architect—None. \$3750

REPAIRS

(1930) 5851 BRANN ST., Oakland; fire repairs.
Owner and contractor—W. A. Croll, 5851 Brann St., Oakland.
Architect—None. \$1200

ALTERATIONS

(1931) 1919 MARKET ST., Oakland; alterations.
Owner and contractor—California Transit Co., 1919 Market St., Oakland.
Architect—None. \$3000

ADDITION

(1932) 1421 35th AVE., Oakland; tile addition.
Owner—Peter Pauls, Palo Alto.
Architect—None.
Contractor—Paul Breitkopf, 2145 E 23rd St., Oakland. \$1200

DWELLING

(1933) 2916 MADELINE ST., Oakland; 1-story 5-room dwelling and 1-story garage.
Owner—L. Rademaker, 2906 Madeline St., Oakland.
Architect—None.
Contractor—James G. Fisher, 3670 Lilly St., Oakland. \$3300

DWELLING

(1934) 3604 HARBOR VIEW, Oakland; 1-story 4-room dwelling and garage.
Owner—Carrie J. Rawson, 3672 Magee Ave. Oakland.
Architect—None.
Contractor—Andrew E. Nelson, 3269 Arizona St., Oakland. \$2750

ALTERATIONS

(1935) NW COR. 31st & TELEGRAPH AVE., Oakland; alterations.
Owner—H. B. Sterns, 98 The Uplands, Oakland.
Architect—None.
Contractor—H. A. Golden, 2657 Ritchie St., Oakland. \$1500

ALTERATIONS

(1936) 2537 1/2 BENVENUE AVE., Berkeley; alterations.
Owner—Mrs. Roddoe.
Architect—None.
Contractor—A. Cederborg, 1455 Excelsior Blvd., Oakland. \$1000

RESIDENCE & GARAGE

(1937) 1266 BANCROFT WAY, Berkeley; one-story 5-room 1-family frame residence and garage.
Owner and builder—Hampton Perkins, 1511 Woolsey St., Berkeley.
Architect—None. \$2950

ALTERATIONS

(1938) NO. 1415 PARK ST., Alameda. Alterations.
Owner—Mary E. Boehmer, Altenehm St., Oakland.
Architect—None.
Contractor—V. E. Thorpe, 1717 Alameda Ave., Alameda. \$1000

RESIDENCE

(1939) NO. 1287 BERKELEY WAY, Berkeley. One-story 5-room 7-family frame residence.
Owner—E. R. Converse, 1088 53rd St., Oakland.
Architect—None. \$3500

RESIDENCE

(1940) NO. 1527 WOOLSEY ST., Berkeley. One-story 6-room 1-family frame residence.

Owner—V. B. DeCarlo, 424 McAuley St., Oakland.
Architect—R. S. Hawley, 1091 43rd St., Oakland.
Contractor—Joe. Morongo, Claremont Ave., Oakland. \$2500

ALTERATIONS

(1941) NO. 2036 BUENA VISTA AVE., Alameda. Alterations; owner, Mrs. M. Farosich, 2036 Buena Vista Ave., Alameda.
Architect—None.
Contractor—Conrad Roth, 2101 Central Ave., Alameda. \$1000

WAREHOUSE

(1942) E 42nd AVE. 200 SE 14th Street, Oakland; one-story warehouse.
Owner—Blackman-Anderson Co. 1222 42nd Ave., Oakland.
Architect—None.
Contractor—Webb & Whalin, 2930 22nd Ave., Oakland. \$1300

DWELLING

(1943) N BEECHWOOD DRIVE 100 E Country Club Drive, Oakland; two-story 8-room dwelling.
Owner—Robt. E. Hatch.
Architect—Arthur F. Dudman, 1729 Arch St., Berkeley.
Contractor—Harold L. Paige, 5551 Oak Grove Ave., Oakland. \$14,500

BANK & STORE

(1944) W BROADWAY 125 S 14th St., Oakland; two-story concrete bank and store building.
Owner—Pacific States Auxiliary Corp., 743 Market St., San Francisco.
Architect—Albert Roller, 1st National B'k Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. \$35,000

OFFICES

(1945) SW COR. TELEGRAPH AVE. and 36th St., Oakland; one-story concrete office building and addition.
Owner—State of California, Sacramento.
Architect—G. E. McDougall, Sacramento.
Contractor—J. B. Bishop, 587 Athol Ave., Oakland. \$12,070

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
853	International	Gilmour	68825
854	Sears	California	1098
855	Sears	MacGruer	7000
856	Sears	Lanrom	3100
857	Berkeley	Parker	300000
858	Godchaux	Vezy	10973

METAL FURRING & LATHING, ETC.
(852) NW PIEDMONT AVE. and Bancroft Way, Berkeley; metal furring, lathing and plain and ornamental plaster work on dormitory building.
Owner—International House (a corp.)
Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.
Contractors—Wm. G. and A. Gilmour, 666 Mission St., San Francisco.

Filed Dec. 24, 1929. Dated Dec. 16, 1929.
Tenth of each month.....75%
Usual 35 days.....Balance

Bond, \$34,125.00. Sureties, Pacific Indemnity Co. Plans and Spec. filed.

PLACE SMOKE STACK
(854) SW TELEGRAPH AVE. and 27th St., Oakland; place steel smoke stack on 3-story reinforced concrete store building.

Owner—Sears Roebuck & Co., New York.
Architect—Nimmons, Carr & Wright.
Contractor—California Steel Products Co., 2nd and Harrison Sts., Oakland.
Filed Dec. 24, 1929. Dated Dec. 9, 1929.
Tenth of each month.....75%
Usual 35 days.....Balance

Bond, \$549. Sureties, Pacific Indemnity Co. Plans and Spec. filed.

(855) FURRING, LATHING and Plastering on above building.
Contractor—MacGruer & Co., 266 Tehama St., San Francisco.
Filed Dec. 24, 1929. Dated Dec. 16, 1929.
Payments not given.

Bond, \$3500. Sureties, Pacific Indemnity Company.

MILL WORK

(856) MILL WORK on above building.
Contractor—Lanrom Bros. Mfg. Company.

Filed Dec. 24, 1929. Dated Nov. 30, 1929.
Payments not given.
TOTAL COST, \$31,000
Bond \$1550. Sureties, Pacific Indemnity Company.

CLUB BLDG.
(557) N DURANT AVE. 150 ft E of Ellsworth St., Berkeley; general construction on reinforced concrete club bldg. Owner—Berkeley Women's Club, Inc. Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco. Contractor—K. E. Parker Co., 135 South Park, San Francisco.
Filed and Dated Dec. 26, 1929.
Fifth of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$200,000
Limit, without undue delay. Plans and Spec. filed.

STORE & POST OFFICE
(558) SE DAVIS & HAYS STS., San Leandro; general construction, except plumbing, glazing, finish hardware, awnings, and electric fixtures on onestory store and post office building. Owners—Emma and Sylvain Godchaux, Hattie Elgel.
Architect—E. W. Cannon, 24 Yosemite Ave., Oakland.
Contractor—Chas. D. Vezey & Sons, 354 E. Hobar St., Oakland.
Filed Dec. 24, 1929. Dated Dec. 26, 1929.
Seventh of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$10,972
Bond, \$10,973. Sureties, U. S. Fidelity & Guaranty Co. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded.....Amount
Dec. 30, 1929—PTN LOTS 15 and 16 Blk D Anspaugh Tract, Hayward. Lucille E. Edwards to J. O. Young.....December 24, 1929
Dec. 30, 1929—PTN LOT 37, Pearce Trct., Hayward. Manuel F. & Hazel Menconca to Julius Eganitz.....December 23, 1929
Dec. 30, 1929—LOT 157 and ptn Lot 156, Piedmont by the Lake, Oakland. Chas. I. and Marie C. Rubiro to Beckett & Wright.....December 17, 1929
Dec. 30, 1929—CW TENTH ST. and Dwight Way, Berkeley. George A. MacDonell to MacDonell & Zumwalt.....December 28, 1929
Dec. 30, 1929—E 40 FT. LOT 140, Avenue Terrace No. 2, Oakland. Minnie H. Warren to whom it may concern.....December 23, 1929
Dec. 30, 1929—PTN LOTS 33 and 34 Blk 2, Bowers Tract, Alameda. Oscar D. Irons to Walter H. Anderson.....December 27, 1929
Dec. 28, 1929—E HARRISON ST. 50 S Sixth St., Oakland. Board of Missions of the M. E. Church South to S. G. Johnson.....December 26, 1929
Dec. 27, 1929—POWELL & Landrean Sts., Emeryville. Marchant Calculating Machine Co. to Jensen & Pedersen.....December 26, 1929
Dec. 27, 1929—LOT 29 BLK O, Mulford Garden Manor, Eden Twp. J. W. Serjeant to whom it may concern.....December 23, 1929
Dec. 27, 1929—10615 BANCROFT AVE., Oakland. Julia Lizama to D. W. Van Horn.....December 24, 1929
Dec. 27, 1929—LOT 6 BLK H, Mastick Park Tract. W. J. Davison to L. Strong.....December 21, 1929
Dec. 27, 1929—1458 SCENIC AVE., Berkeley. John A. Grennan Jr. and Ruth S. Grennan to G. P. W. Jensen.....December 26, 1929
Dec. 27, 1929—S 44th ST 90 ft W. Market St., Oakland. Lucia and Giuseppe Mecca to Milton Quaglia and Joseph T. Hinch.....December 27, 1929
Dec. 27, 1929—NW 1/8 E 1/2 LOT 6 BLK N, Moss Estate, Oakland. V. Y. Dart to whom it may concern.....December 17, 1929
Dec. 26, 1929—LOT 16 and ptn Lot 15 Blk 2, Thousand Oaks Court, Berkeley. Louise L. and Stella M. Linscott to Frank G. Applebe.....December 9, 1929
Dec. 26, 1929—56 LAKEVIEW Avenue, Piedmont. Regular Hoffman to B. F. Woolley.....November 25, 1929
Dec. 24, 1929—2015 CENTRAL AVE., Alameda. Ernest R. and Louise Armstrong to Walter H. Anderson.....December 20, 1929
Dec. 24, 1929—164, Unit No. 2, Avenue Terrace, Oakland. O. W.

Johnson to whom it may concern.....December 23, 1929
Dec. 24, 1929—SW FOURTH & Jackson Sts., Oakland. Safeway Stores, Inc. to Latourrette-Fical Co.....December 20, 1929
Dec. 24, 1929—NW MIDCREST AND Sunny Hills Roads, Oakland. V. Villette to B. S. Hanson.....December 24, 1929
Dec. 27, 1929—INT E line Spring Way Tract, Berkeley. Carl H. Fox to whom it may concern.....December 26, 1929
Dec. 27, 1929—NW Scenic Ave., Berkeley. Robert Burns to Thomas S. Lossing.....December 27, 1929
Dec. 27, 1929—PTN LOT 2 BLK 1, Shaw it may concern.....December 24, 1929
Dec. 27, 1929—LOT 33 and PTN LOT 34 Blk 18, map No. 4 of Regents Park, Albany. Wm. K. McInnes to whom it may concern.....December 23, 1929

LIENS FILED

Alameda County

Dec. 26, 1929—E SIXTH ST 80 ft N of Taylor Ave., Alameda. Dunn Sheet Metal Works vs Homer H. and Mildred E. Stone, Bay Counties Const Co.....\$90.50
Dec. 26, 1929—E LINE SIXTH AVE 120 ft N of E 19th St, Oakland. Pacific Coast Aggregates, Inc vs Neal E. and Gen B. McGuire.....\$817.86
Dec. 26, 1929—NO. 1037 NORWOOD Ave., Oakland. Atlas Heating & Ventilating Company, Inc vs Maud E. Nelson and H. E. Thompson.....\$50.78
Dec. 27, 1929—LOT 14, BLK 1, Northbra Terrace, Berkeley. George T. Ostrom vs W. F. Williamson, Jamieson Towle - Willoughby Corp., Arthur T. Riggs.....\$2174.18
Dec. 27, 1929—PTN LOT A, Chabolyin Terrace, Berkeley. Brockhurst Tile Co vs Attilio and Bianca Dami, Joe Benassini.....\$767.45
Dec. 27, 1929—PTN LOT 38, Forest Park Tract, Oakland. Garrett Mill & Lumbar Co vs Edward M. Anderson.....\$427.23

RELEASE OF LIENS

Alameda County

Recorded.....Amount
Dec. 30, 1929—2371 OAK ST., Berkeley. Berkeley Bldg Materials Co. to L. A. and Helen Steinfeld and P. A. Lux.....\$66.67

BUILDING CONTRACTS

SAN MATEO COUNTY

ALTERATIONS
BELMONT SCHOOL. All work for alterations, building, etc.
Owner—Belmont School District.
Architect—Edwards & Schary, 605 Market St., San Francisco.
Filed Dec. 30, 1929. Dated Dec. 5, 1929.
Concrete in.....\$ 900.00
Completed.....1072.67
Usual 35 days.....700.00
TOTAL COST, \$2672.67
Bonds (2) \$1313.50. Surety, Hartford Accident Indemnity Co. Limit, 90 working days. Forfeit, \$10. Plans and specifications, none.
BARN
PORTOLA TERRACE, San Mateo. All work for barn.
Owner—Louis Gambetta, Portola Road, Woodside.
Architect—None.
Contractor—A. Campi, 380 Capistrano St., San Francisco.
Filed Dec. 30, 1929. Dated Dec. 16, 1929.
Completed.....\$100
Usual 35 days.....100
TOTAL COST, \$200
Bond, limit, forfeit, plans and specifications, none.

BUILDING PERMITS

SAN MATEO

RESIDENCE, 2-story frame, \$12,000; Lot 24 Blk 6 Parrott Drive, Baywood; owner, Dr. N. D. Morrison, 50 9th Ave. San Mateo; contractor, T. A. Cavanagh, 245 Virginia St., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded.....Accepted
Dec. 21, 1929—LOT 21 and PT LOT 20 Blk 12, East San Mateo. Ashley Powers to Self.....December 18, 1929
Dec. 21, 1929—LOTS 18, 19 and 20 BLK 10, North Fair Oaks. George Erskin to whom it may concern.....Dec. 21, 1929
Dec. 21, 1929—320 OAK GROVE AVE., Burlingame. Wm. O. Haller et al to Ivar D. Peterson.....December 18, 1929
Dec. 23, 1929—LOT 46 Peninsula Manor. Ralph T. Goldsmith to Bert Norberg.....December 20, 1929
Dec. 23, 1929—LOT 24 BLK 36, Lyon & Hoag Sub. R. Orsio et al to Ashley Powers.....December 20, 1929
Dec. 23, 1929—LOT 20 BLK 2, Redwood Highlands. W. H. Thorp to whom it may concern.....December 12, 1929
Dec. 23, 1929—LOT 6 BLK 20, East San Mateo. Joseph Bush et al to Ashley Powers.....December 18, 1929
Dec. 24, 1929—LOT 10 BLK 5, Edgewood Park. Geo. G. Nelson et al to Self.....December 24, 1929
Dec. 24, 1929—LOT 13 Barney Park. Sophronia V. Anael to whom it may concern.....December 24, 1929
Dec. 24, 1929—LOT 42 Kings Mt. Park. Emanuel Kardos et al to M. P. Dutra.....December 18, 1929
Dec. 24, 1929—LOT 2 BLK 3, Burlingame Shore Land Co. Ingrid Sorenson to whom it may concern.....December 20, 1929
Dec. 24, 1929—LOT 11 BLK 9 Burlingame Park. R. F. Byrnes to I. Sorenson.....December 20, 1929
Dec. 20, 1929—LOT 5 BLK 4, San Carlos Gardens. G. Nerster to whom it may concern.....November 1, 1929
Dec. 20, 1929—RES WOODSIDE. Whitte Realty Co. to Louis Sartorio.....December 13, 1929

LIENS FILED

SAN MATEO COUNTY

Recorded.....Amount
Dec. 21, 1929—LOT 4 BLK 9, Range D, Mezesville. San Carlos Feed & Fuel Co vs Henry East et al.....\$173.76
Dec. 23, 1929—LOT 10 BLK 152, South San Francisco. San Mateo Feed and Fuel Co vs James Gillespie et al.....\$276.41

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded.....Amount
Dec. 20, 1929—1401 FLORIBUNDA Ave., Burlingame. Bohler & Chase to whom it may concern.....\$500
Dec. 21, 1929—LOCATION OMITTED. Wm. P. Jamieson to Jos Conapa.....in full

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$8000; Lot 24 Blk 6 B. N. Poppy Drive; owner and builder, G. W. Williams Co., 1404 Broadway, Burlingame.
BUNGALOW, \$7000; Lot 6 Blk 59 B. H. Benito Ave.; owner and builder, M. Sorensen, 16 Dwight Road, Burlingame.
ALTERATION, \$1000; Lot A Blk 6 B. J. Oak Grove; owner and builder, J. Donaldsen, premises.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$2,000; 3445 El Camino Real; owner, L. R. Brythel; contractor, W. C. Bell.
RESIDENCE, frame and stucco, \$12,500; 460 Maple St.; owner and builder, L. H. Price.
RESIDENCE, frame and stucco, \$5000; Kellor Ave.; owner, Charlotte R. Reynolds; contractor, G. Findlay.
RESIDENCE, frame and stucco, \$5,000; 171 Santa Ana Ave.; owner and builder, Geo. D. Difani.

BUILDING CONTRACTS

MARIN COUNTY

STORE BLDG.

SAN RAFAEL. All work for one-story and basement Class C store building. Owner—D. Vossbrink, 290 Marin St., San Rafael.

Architect—S. Heiman, 605 Market St., San Francisco.

Contractor—Young & Horstmeier, 461 Market St., San Francisco.

Filed Dec. 18, 1929. Dated Dec. 18, 1929.

Frame up\$321.25

Interior completed\$221.25

Completed\$321.25

Usual 35 days\$321.25

TOTAL COST, \$15,655.00

Bond, \$7842.50. Surety, Glen Falls Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted

Dec. 23, 1929—SAN RAFAEL. Edith Hassey to whom it may concern.....

.....December 22, 1929

Dec. 26, 1929—SAN RAFAEL. Salvatore Scottto and wife to whom it may concern.....

.....Dec. 17, 1929

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted

Dec. 23, 1929—NE EIGHTH AND D Sts., Petaluma. Lillian L. Fleissner to W Singleton.....

.....Dec. 19, 1929

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted

Dec. 21, 1929—E 50 FT. LOT 8 BLK 125, Block Book of City of Monterey.

J C Antony and John Ray Berra to whom it may concern.....

.....Dec. 16, 1929

Dec. 23, 1929—BEING PART OF LOTS 12 and 14 Blk E, City of Monterey. J C Anthony and Matteo Dorio to whom it may concern.....

.....Dec. 16, 1929

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount

Dec. 23, 1929—LOT 20 BLK 117, Seavance Block Book of City of Monterey.

Tilden Lumber & Mill Co to A Gati and Buonanventura Torrento.....

.....\$1154.60

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted

Dec. 24, 1929—S ½ LOTS 23, 24 AND 25 Blk 2, Searchlight Addition to City of Stockton. Olga Rebs and husband to whom it may concern.....

.....Dec. 17, 1929

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 6-room, \$4000; 1317 35th St.; owner, Edward Lee, 2029 18th Street, Sacramento.

RESIDENCE, 6-room, \$5000; 370 37th St. owner, S. Tougaw, 416 F St., Sacramento; contractor, M. C. Valine.

RESIDENCE, 6-room, \$3750; 3409 T St.; owner and builder, Watson & Bennie, 2719 5th Ave., Sacramento.

PUBLIC Works Bldg., \$12,061; 1025 P St.; owner, State of California, Sacramento.

RESIDENCE, 5-room, \$3250; 512 V St.; owner, John Augusta, 316½ U St., Sacramento; contractor, F. Lopez.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted

Dec. 28, 1929—LOT 99 Harding Place, Floyd C Headrick to whom it may concern.....

.....December 5, 1929

Dec. 24, 1929—E 72.46 FT LOT 38, City Farms. Herman O and Clara M Meier to whom it may concern.....

.....Dec. 23, 1929

Dec. 23, 1929—LOT 38 Dawson Place, known as 2509 42nd St., Sacramento.

Powen & McMahon to whom it may concern.....

.....December 20, 1929

Dec. 21, 1929—FIFTH AVE & 60th St. Sacramento. Sacramento City School

Dist to whom it may concern.....

.....December 16, 1929

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount

Dec. 28, 1929—LOT 111, McKinley Blvd Tract No 2, Dolan Bldg Material Co vs D L and Annette Gray, etc.....

.....\$209.50

Dec. 28, 1929—LOTS 134 and 135 McKinley tract No 2 known as 4601 D St. Sacramento. A Virgho vs E J Fagalde.....

.....\$320

Dec. 23, 1929—S 40 FT LOT 118 Smith tract No 4, known as 1364 55th Street, Sacramento. W J Var: Winkle vs R C and Mary M Mackey.....

.....\$118

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$18,500; Fulton and Fresno Sts.; Jessee, United States Bldg. & Loan Assn., 2011 Tulare St., Fresno; contractor, Felchlin, Shaw & Franklin, Patterson Bldg., Fresno.

ALTERATIONS and additions, \$3000; No. 3503 Huntington Blvd., Fresno; owner, Second-First National Bank of Los Angeles; contractor, A. Allen.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

Dec. 18, 1929—LOTS 25 TO 28, 31, 32 Blk 45, Sanger. S A Jennings to W L Hill.....

.....Dec. 16, 1929

Dec. 18, 1929—NE ¼ OF LOT 130, Rooding Villa Cal. Lisle G Bower to T J Watkins.....

.....Dec. 14, 1929

LIENS FILED

FRESNO COUNTY

Recorded Amount

Dec. 24, 1929—LOTS 8, 11, 12 AND 13 Avena Colony No. 1 Ptn of SW ¼ of

Section 14 in Township 1 S range 8 east Lots 24, 35, 36, 37, 38, 39, 40, 41 and 42 Avena Colony No. 4, Fresno.

George Murray vs Max Werckshagen and wife.....\$909

Dec. 28, 1929—LOTS 45 to 48 Miller and Lux Sub of Sec 7, 11-13. Hayward Lumber & Inv Co vs Frank W Steele.....\$25

Dec. 23, 1929—SECS 7, 9, 10, 13-14. Hayward Lumber & Inv Co vs E E Johnson.....\$77

Dec. 23, 1929—PART SEC 25 Sec 30, 11-13. Hayward Lumber & Inv Co vs F T Clayton.....\$72

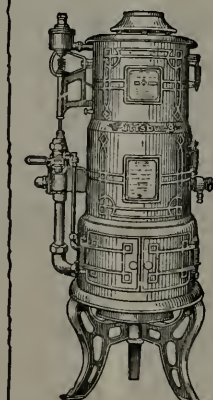
Dec. 28, 1929—SEC 31 W 100 acres of Sec 32, 11-13. Hayward Lumber and Inv Co vs J W Rickze.....\$296

L. H. GADSBY RETURNS FROM HONEYMOON

L. H. Gadsby, city engineer of Visalia, and his bride, formerly Mlle. Marie Antoinette Dupanier of Bourges, France, returned recently from their honeymoon to Havana, Cuba, where they were married on December 14. They will reside in a new home recently erected at 714 North Willis street, Visalia.

ARCHITECTS' LICENSE FEE RAISED TEN DOLLARS

The California State Board of Architectural Examiners, Southern District, has announced that effective January 1, 1930, the annual license fee for architects will be ten dollars instead of five dollars as heretofore. This is in accordance with the terms of the architects' license law as amended by the state legislature in 1929. It is also announced that in cases where an architect's license is revoked for nonpayment of dues or other causes, there is no reinstatement of such license, but the person will be required to wait six months after revocation, when he may file a new application and be re-examined for state license.



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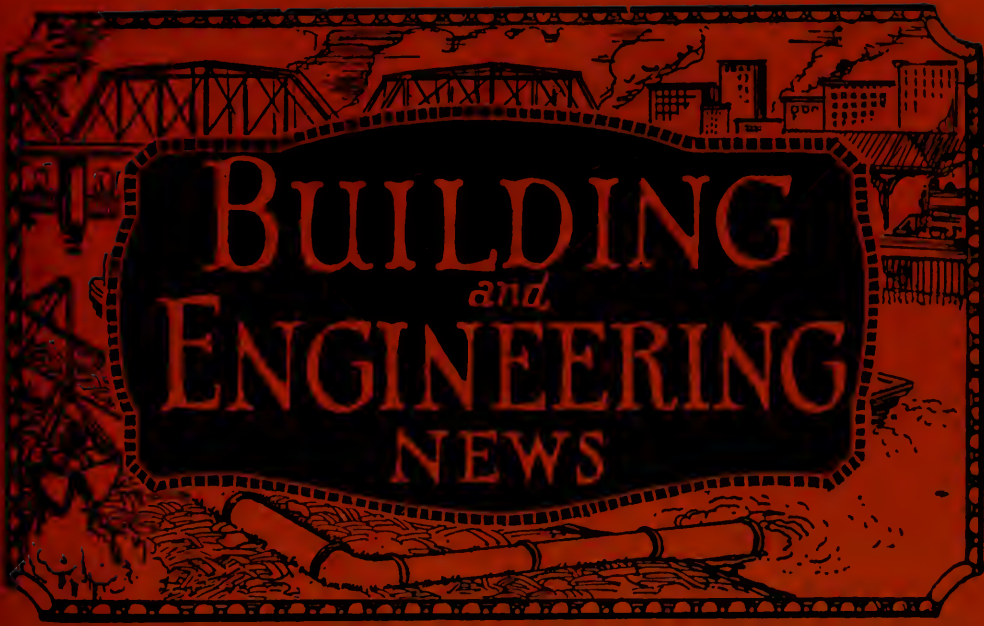
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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., JANUARY 11, 1930

Thirtieth Year, No. 2
Published Every Saturday

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SAN DIEGO: Electric Building

SAN FRANCISCO: 447 Sutter Street
SEATTLE: 360 Stuart Building

PORTLAND: Public Service Building
SPOKANE: 25 No. Monroe Street

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., JANUARY 11, 1930

Thirtieth Year, No. 2

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year.....6.00
Single Copies.....25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarney 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

ALAMEDA COUNTY BUILDERS ELECT OFFICERS

William Makin, plastering contractor, was re-elected president of the Builders' Exchange of Alameda County at the annual meeting of that body last Monday evening.

Bert Dennis was elected first vice-president; Sam D. North, second vice-president, and Herbert Beckwith, treasurer.

C. C. Morehead was re-elected secretary.

The following is a complete result of the balloting in the election of directors, the first twelve named being elected: William Makin, 112 votes; Henry J. Christensen, 101; Jas. H. Pedgrift, 93; J. H. Fitzmaurice, 87; John M. Bartlett, 86; Herbert Beckwith, 82; Sam D. North, 81; Frank M. Clausen, 80; Joe Turgeon, 79; Bert Dennis, 78; Fred Westlund, 75; Sam J. Bertelsen, 72; Thos. Furlong, 63; Frank Miller, 60; Chas. D. Hughes, 57; Al. M. Poulsen, 53; Geo. Lester, 53; A. Jorgensen, 35; Peter Knudsen, 34; Wm. McGrath, 33; Thos. Hogan, 23; O. L. Peterson, 23.

Following the election of directors the members celebrated the usual Christmas Jinks in the main auditorium of the Builders' Exchange Building where a program of entertainment was a feature of the evening.

SKILSAW MARKETING NEW MODEL "R" SAW

Skilsaw, Inc., announce the new Model "R" Skilsaw which is now in production and immediate delivery can be made. For speed power and capacity this model of Skilsaw, according to Peter H. Nelson, local distributor, 1222 Mission St., San Francisco, the saw is unequaled by any portable electric saw on the market. It is said to be the fastest cutting tool of its kind, considering weight and cutting capacity. The cutting capacity of 4 1/2 inches, instantly adjustable to both depth and bevel cuttings with an improved swivel foot and degree bevel gauge. These new models are carried in stock by Nelson, the local distributor.

The First Church of Christ Scientist, at Fillmore, Calif., designed by Architect H. Roy Kelley of Los Angeles, received honorable mention in the 1929 national competition conducted by the Christian Herald. First prize of \$1000 went to the First Presbyterian Church of New Rochelle, N. Y., designed by Architect John Russell Pope of New York City. Second prize of \$300 was awarded First Presbyterian Church of Clinton, Ia., designed by Coolidge & Hodgdon of Chicago, and third prize of \$200 was given to First Christian Church, Watsonville, Calif., designed by W. H. Weeks of San Francisco. Prizes were divided equally between churches and architects.

SPECIAL ARTICLES ON THE MECHANICS LIEN LAW

Building and Engineering News has secured the services of Mr. Harry C. Westover, an attorney of Santa Ana and an authority on the California Mechanics' Lien Law, to write a series of articles concerning mechanics' liens. Mr. Westover will start his series of articles at what he considers the beginning of a subject and will carry through to a logical conclusion.

During the past several years Mr. Westover has been giving courses up on the lien law and the articles which he will prepare will follow in the same procedure as the course is usually given.

The course is divided into several large divisions—the first being the rights of lien claimants or those who are entitled to file liens; the second being the rights of property owners, which of course, includes the "Notice of Responsibility"; the third topic being the lien, which includes the preparing and the filing of the lien, and the last subdivision being the protection given by such a lien.

For the benefit of our readers it will be of interest to know something about Mr. Westover, the writer of these articles.

Mr. Westover was born in Williams-town, Kentucky, in 1894 and most of his education was received in the schools of Arizona. He graduated from the law school of the University of Arizona in 1918. During the World War he served as a second lieutenant and after the signing of the Armistice, went to Yuma, Arizona, where he opened a law office and continued in practice for three years, following which he went to Santa Ana, Calif., where he has since been located.

Subsequent to his move to Santa Ana he became interested in the lumber business and became a part owner and manager of a lumber yard. He remained in the lumber business for about three years, ultimately selling out for the purpose of going back into the practice of law.

While being engaged in the lumber business he discovered that so few lawyers knew anything about the lien law and the rights of lien claimants that he decided to specialize in that field, inasmuch as he has some experience in the lumber business and knew the problems of the building industry from first-hand experience.

At the present time, Mr. Westover represents the Orange County Builders' Exchange and about one-half the lumber yards throughout Orange County as well as many other firms engaged in the construction industry in the Pacific Southwest.

Mr. Westover's first article appears in another section of this issue.

S. F. CLOSES YEAR 1929 WITH BUILDING TOTAL OF \$33,682,025

San Francisco closed the year 1929 with a total of 7,120 building permits issued for improvements involving an expenditure of \$32,682,025, the lowest annual total, both in the number of permits granted and money expended, since the year 1921 when the permits registered 6,313 for improvements valued at \$22,244,672.

During the year 1928, according to figures compiled by John B. Leonard, superintendent of the Municipal Bureau of Building Inspection, 8,056 permits were granted for work costing \$37,766,363.

During December, 1929, Leonard reports the issuance of 465 permits for improvements involving an expenditure of \$1,617,691 as compared with 509 permits for the corresponding period in 1928 when the expenditure registered \$1,606,700.

December, 1929, Report

The following is a classified listing of the December, 1929, activities:

Class	No. of Permits	Est. Cost
A	3	\$ 620,000
B	3	71,000
C	6	152,500
Frames	65	305,435
Alterations	388	468,756

Total 465 \$1,617,691

Total for Year 1929

Following is the segregated report on the construction activities for the year 1929:

Class	No. of Permits	Est. Cost
A	19	\$ 9,123,000
B	28	2,865,000
C	123	4,557,923
Frames	1610	9,362,225
Alterations	5317	4,859,823
Public Bldgs.	9	1,764,244
Harbor Bldgs.	3	970,000
State	1	180,000

Total 7,120 \$33,682,025

Yearly Totals

Year	No. of Permits	Est. Cost
*1906	5,686	\$34,947,386
1907	6,437	56,678,844
1908	6,720	31,668,241
1909	5,773	26,184,068
1910	5,690	20,508,556
1911	6,079	20,315,474
1912	6,316	22,338,563
1913	5,606	21,037,264
1914	5,907	28,177,563
1915	6,461	13,990,704
1916	6,192	18,837,173
1917	5,513	15,655,299
1918	3,688	7,924,319
1919	5,263	15,163,212
1920	5,626	26,729,992
1921	6,313	22,244,672
1922	8,078	45,327,206
1923	8,856	46,676,079
1924	10,272	57,852,973
1925	11,087	50,332,735
1926	10,085	57,953,948
1927	9,190	47,032,848
1928	8,056	37,766,363

* Indicates period from May 19 to Dec. 31, 1906.

CONTRACTOR DOING WORK ON FEE BASIS HAS NO LIEN FOR MONEY ADVANCED FOR LABOR

A lien claim cannot be enforced under a fee contract for money advanced to pay for labor and materials, even though the contractor is obligated by the terms of his agreement to make such advances, it has been ruled by Judge Leon R. Yankwich in the superior court of Los Angeles county. Money so advanced, in the opinion of the court, is in the nature of a loan and does not come within the provisions of the California mechanics' lien law.

This ruling was made in the case of Stiles Construction Company against the defunct El Sereno Country Club and Mrs. Clotilde Castruccio, owner of the land on which the club building was erected. The company sued for \$8729.66, including amounts due on their fee and money advanced on payrolls. Mrs. Castruccio resisted the claim for lien on the ground that the debt was not a proper obligation for a lien.

The court awarded judgment for the plaintiffs against the El Sereno Country Club in the amount asked, but gave judgment to Mrs. Castruccio, denying the claim for lien against her property.

Court's Memorandum of Decision

Following is the memorandum by Judge Yankwich in the case:

R. J. Glasco and G. L. Hannaman, co-partners doing business under the fictitious firm name and style of Stiles Construction Company, plaintiffs, vs. El Sereno Country Club, Inc., a corporation, and Clotilde Castruccio, et al, defendants. No. 241894, Department 31, Superior Court of Los Angeles County, California. Memorandum of decision:

The nature of the case and of the conclusion reached is such as to call for a statement of the ground of decision.

The court is satisfied that the premises were to be used as a golf club and that, consequently, if the plaintiff is entitled to a lien, the entire premises are necessary for the convenient use and occupation of the structure. In arriving at this conclusion, we must take into consideration the circumstances surrounding the transaction. So doing, it is evident that the El Sereno Country Club was designed as a golf club. Consequently the grounds (the entire 120 acres) were a part of the scheme of improvement.

The court is also satisfied that while notice of non-responsibility, prepared by the defendant Clotilde G. Castruccio, was duly posted in a conspicuous place, and a verified copy thereof duly recorded, it was insufficient because it did not contain the name of the purchaser of the property under the contract, as required by the 1925 amendment to section 1132 of the Code of Civil Procedure.

Notwithstanding these conclusions, the court is satisfied that the plaintiffs are not entitled to a lien against the premises. By their contract with the El Sereno Country Club, the plaintiffs agreed to do the work on a cost plus contract basis. For their work they were to be paid eight thousand (\$8000) dollars, payable on monthly installments of five hundred (\$500) dollars each.

Provisions of Contract

The improvements were to cost one hundred and fifty thousand (\$150,000) dollars. If the contractor were able to effect a saving under the estimated cost, they were to receive ten per cent (10%) of such saving in addition to the fee.

The agreement provided:

"All contracts and orders placed by us, payrolls and other obligations, shall be in your name by Stiles Construction Co., Agents, and it is understood that we assume no liability under or by reason of such obligations."

The contractor also had the right to advance money for labor.

The contract provided:

"We shall advance all moneys necessary to pay the labor cost in the construction of said building, and shall furnish on or before the 5th day of each month an itemized statement of the payroll and other labor cost in connection with the construction of said building for the preceding month, together with receipts or vouchers showing payment by us of the amount we billed you with. These receipts or vouchers shall be in the form required by you, and shall be approved by your superintendent of construction and otherwise audited as required by you. Payment will be made by you on the 16th day of the month following the month for which the bill is rendered by us. It is expressly understood that the labor cost is a part of construction and included within the amount of money to be spent in any month."

Claim For Lien Is Personal

The claim is for eight thousand, seven hundred and twenty-nine and 66-100 (\$8729.66) dollars, partly on commission due and partly on moneys paid out for labor. It is evident that the amounts received by plaintiffs exceed the commission. If they are not entitled to a lien for moneys paid out for labor, the claim of lien must fail.

It is the rule that the claim for lien is personal. Only he who undertakes to furnish labor or materials is entitled to make it. He who merely furnishes money to another is not entitled to a lien, even though the money loaned is for the specific purpose of paying for labor and materials:

Godefroy v. Caldwell, 2 Cal. 489.

Cadenasso v. Antonelle, 127 Cal. 382; Sweet v. Fresno Hotel Co., 174 Cal. 789;

Burr v. Peppers Cotton Lumber Co., 91 Cal. App. 268.

The ground for these rulings is this: The right to a lien is a personal one. By the terms of the constitutional provision under which the lien law was enacted, the right to lien is limited strictly to those who furnish labor or materials. Money advanced or loaned is not labor or material and the right does not extend to persons furnishing money with which the work or materials are paid for. A contractor, therefore, who makes, in the name and on the credit of the owner of a building, a contract with another to do certain work and pays him therefor, has no lien for such work.

Holds Money Advanced Is Loan

In this case, the plaintiffs were not liable under the contracts for labor

and materials. These were in the name of the El Sereno Country Club. For them, they assumed no obligations. They were not obligated to furnish the labor or materials. And even assuming that they undertook to advance money for labor, the undertaking was for the current month only. They were not bound to continue such advances if those for the preceding month had not been repaid by the 16th of the following month. If, after that they continued the advances, they were mere volunteers, loaning money to the club, for which they are not entitled to a lien.

The lien law, enacted pursuant to constitutional mandate, was intended to benefit materialmen and laborers who improved another's property. As the property benefited by it, the owner thereof was made vicariously liable, for a debt which, in the language of the poet, "he never did contract and cannot answer."

At the present time, in its application, it results in many injustices to the property owner. Courts should not, therefore, saddle a property owner with a lien unless the law clearly gives such a lien. The contract here does not obligate the contractor to furnish labor or materials, other than his labor of superintendence.

Assuming that there was an absolute obligation on his part to advance money for labor, the arrangement called for a loan and is not subject to a lien.

Judgment will be for plaintiffs against the defendant El Sereno Country Club only, as prayed for in the complaint. Judgment will be for the defendant, Clotilde Castruccio, denying claim of lien on property.

Dated this 21st day of December, 1929.

LEON R. YANKWICH,
Judge of the Superior Court.

PAINT TESTED FOR POWER OF WEATHER RESISTANCE

Greater weathering power is shown so far by white-lead paint, as compared with other white paints, in current tests by the Bureau of Standards of the Department of Commerce, according to announcement in the Bureau's Technical News Bulletin. The announcement follows in full text:

A comparison of outdoor and accelerated (combined light-spray only) exposures of the same white paints is giving some interesting information. The paints under test are white-lead, lead-zinc and lithopone. Thus far results have been obtained on six weeks of exposure in the accelerated cycle, taking a set of panels out at the end of every week. The white-lead paints are failing by chalking, fine checking, and a gradual disappearance of the paint coat (by chalking off). The lead-zinc paints are failing by cracking, resulting in a flaking or crumbling of the paint coat.

The lithopone paints chalk heavily, crack, and soon disappear from the wood. White-lead shows up the best, lead-zinc next, and lithopone a poor third. Lithopone paint fails in about three weeks and lead-zinc in about five weeks. The white-lead paints have not reached (after six weeks' exposure) as bad a condition as the lithopone paints at the end of three weeks. A comparison, on a quantitative basis, of the relative merits of these paints is difficult, because of the different types of failure for the various paints. Using three weeks as the period of failure for the lithopone paints, the other paints appear to be in somewhat the following ratio at the present time:

Lithopone paint, 2; lead-zinc paint, 5; white-lead paint, more than 6.

USE OF "ARCHITECT" IN FIRM NAMES DEFINED BY ATTORNEY GEN.

U. S. Webb, attorney general, at the request of the California State Board of Architecture, has passed upon the conformance of certain names of firms with the statute regulating the practice of architecture.

The full text of the ruling follows:

In your letter of Dec. 4, 1929, you state that your board is having some difficulty in determining whether certain designations of firm or partnership names are in accordance with the law, and you therefore present the following cases to us for our opinion as to the legality thereof:

"(1) A. MacDonald, architect, in partnership with Oliver Olds, nonarchitect, and Mrs. Bates, nonarchitect, operating under the name of 'Wm. Hates & Company, A. MacDonald, Architect, Oliver Olds, Manager.'"

"William Bates was a certificated architect, but has been deceased for five years. Is this in accordance with the requirements of the law?"

This firm designation would be legal providing that the name of the architect appears as the architect on all instruments of service and no other member of such partnership be so designated.

Name Held to Be Legal

"(2) A. and B. O'Grady, nonarchitects, and W. A. Jones, architect, operating under the name of 'O'Grady Bros., and W. Jones, Architect.'"

We believe that the firm name herein sufficiently designates Mr. Jones as the only architect of the partnership.

"(3) S. C. Hardacher, nonarchitect, conducting a business designing golf courses and styling himself 'Golf Architect.' Can the word 'architect' be legally used in this connection?"

Section 9 of the act in question provides that the word "architect" means

a person who holds a certificate to practice architecture in the State of California under authority of this act. We do not believe, therefore, that one should style himself "golf architect" unless the provisions of the act have been complied with.

"(4) Williams-Ravens, nonarchitects, engaged in the real estate business operating a home planning department under the title of 'Williams-Ravens Co. Architectural Dept.' Is this a violation?"

It would not be permissible for the Williams-Ravens Co. to use the designation "architectural department."

"(5) John Smith, architect, B. Johnson, nonarchitect, operating under the title of 'East Bay Planners,' would the board be right in prosecuting this man?"

We believe this to be a legal designation.

"(6) The following firm is operating under the style of 'Curby & Rivets, Architect and Engineer.'"

"Mr. Curby is an architect, and Mr. Rivets, nonarchitect. The question with us is, how will we be able to tell which is the architect and which is the engineer. Is this a legal style of firm name?"

We believe this designation to be legal.

"(7) John Gray, architect, operating under the fictitious name of Gray & Gray, architects, his brother, Paul Gray, architect, formerly associated with him having died a year ago, in this connection we would like to know if it is legal for John Gray to operate under the name of Gray & Gray, Architects."

This firm should designate itself "Gray & Gray, Architect," in order to comply with the provisions of the act regulating the practice of architecture.

In order to meet this situation, the General Assembly of Maryland, in 1791, passed the first Mechanics Lien Law of the United States. The act was passed at the solicitation of a commission of which Thomas Jefferson and James Madison were members. Such men were influenced by their desire to encourage the rapid building of the city of Washington as a permanent seat of government.

Since 1791 every state in the Union has passed some sort of a mechanics lien law; however, there has been no uniformity in the mechanics lien laws and in order to ascertain the rights of mechanics or materialmen, it is necessary to study the state laws under which such rights arise. At the present time the Government is fostering a so-called Uniform Mechanics Lien Law which, when drafted and adopted by all the states, will make the lien law the same in every state of the Union.

The Mechanics Lien Law is a radical departure from old lien law. Under the common law all liens depended upon possession. In writing the Mechanics Lien Law, a change was made whereby it was possible to obtain a lien without reducing the thing on which the lien was claimed to possession. Instead of possession, the writers of the Mechanics Lien Laws substituted the doctrine of recordation. That is, all claims of lien must be recorded to become valid and such recordation gives notice to the world that the lien claimant has some claim upon the property.

The present Mechanics Lien Law of California is an evolution from prior statutes of the other states upon the same subject, resulting from the desire of the Legislature to adjust the respective rights of lien claimants and the rights of the owners of property improved by labor and material. The changes made in the law by the California Legislature, however, have been so persistent and constant that the Supreme Court of California has felt itself called upon to make the following remark:

"It must be remembered that the Mechanics Lien Law of this state has been changing at nearly every session of the Legislature since the first statute on the subject was passed; and that many former decisions of this Court in relation to it rested upon provisions not now in evidence."—Booth vs. Pendol 83 Cal. 36.

A Mechanics Lien in California is of the highest possible dignity since it is secured, not by legislative enactment, but by the Constitution of the State of California. Every provision of the laws which the Legislature may enact must be subordinate to and in consonance with the constitutional provision. The Constitution of California provides that:

"Mechanics, materialmen, artisans and laborers of every class shall have a lien upon the property upon which they have bestowed labor or furnished materials for the value of such labor done and materials furnished, and the Legislature shall provide by law for the speedy and efficient enforcement of such liens."

(EDITOR'S NOTE:—The second article by Mr. Westover will appear in an early issue. Watch for it.)

HISTORY OF MECHANICS LIENS

By Harry C. Westover, Attorney-at-Law.

Most of the law used in the United States as a whole, and in California, is based upon the old common law of England. The common law of England was purely a law of custom. Before the era of printing and during the early formative years in England, when printing was first being introduced and people were learning to read it was necessary to have laws to govern the conduct of people. At that time very few people could write and very few could read what had been written. There had grown up in England a series of customs which, after having been tried countless times, became the established custom or established law. These established customs became known as the Common Laws of England and were not codified until the time of Blackstone. The codification of the law was nothing more than the putting down in writing the old laws of England which, up to that time, had never been reduced to writing.

When the Atlantic Seaboard was colonized by the people of England, it was as natural for such colonies to bring to the American continent the laws of England as it was to bring the English language, and wherever there was an English colony, there also became established a colony which was governed by and under the common law of England. The separation of the colonies from the Mother Country no more destroyed the law of England, which was used in the colonies, than it destroyed the English language, which was also used by the colonies,

with the consequence that even after the revolution, the common law of England was still a foundation for all American laws.

Under the old common law of England there was no mention of such a thing as a "mechanics lien" as we now understand the term. The common law of England, however, did contain lien laws. A landlord was given a lien upon the baggage of his guest until his bill had been paid, and an inn-keeper was given a lien upon his traveler's horse until the guest had paid for the food and lodging used by the horse, and common carriers had liens upon goods which they transported until such transportation charges had been paid.

All of the liens under the old common law of England depended upon possession and when possession was lost, the lien was also lost. Inasmuch as the cardinal right of all liers was possession, the common law did not acknowledge a lien upon anything which could not be reduced to the possession of the person claiming the lien.

Shortly after the colonies had gained their independence from the Mother Country, it was decided to establish the colonies capitol in the wilds of Maryland, but immediately there arose the question of how to get labor and materialmen to go into such wild and undeveloped country and perform labor or furnish materials without some additional assurance that they would be compensated for the work and labor done and for the materials furnished.

Kleiber Motor Company of San Francisco, announces a new gasoquin vehicle is now in construction, being turned out in a 3-ton 6-cylinder truck. This type of vehicle uses wood for fuel, the wood generating gas which is carried through a condenser and into the combustion chambers of the motor. This type of motor has proven successful in Europe and it is believed that this is the first construction of this kind in the United States. Delivery date of the new truck has not been set.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

"Prospects are that the building construction industry will check its downward trend within the next few months," says Standard Trade and Securities Service. "Moderate recovery in the housing division seems probable, reidences. Advancement is anticipated improvement in the mortgage money situation and a sizable reduction, at least, of the present excess supply of reidences. Advancement is anticipated, also, in the public works and utilities and the public buildings divisions, as a result of President Hoover's stabilization program, while activities will be fairly well maintained in the other two major classifications—commercial and industrial. In the aggregate, therefore, a slight uptrend, as compared with 1929, is forecast for 1930, but this probably will not become apparent before the second or third quarter."

Following the practice followed by the West Coast Lumbermen's Association, the members of the California White & Sugar Pine Mfrs., Assn. are issuing under serial number a "Shipper's statement of car contents" in a sealed envelope in each car. The statement declares that the lumber has been graded and tallied under the rules of the California White & Sugar Pine Mfrs., Assn. and that the grading has been supervised and checked by experienced lumber inspectors.

Dispatches from New York indicate that the Otis Elevator Company proposes an increase in its capital stock from 500,000 shares to \$50 per share to 2,500,000 shares without par value. The increase provides for a four to one stock split-up.

Harley A. Norton, Oakland contractor, has filed a voluntary bankruptcy petition in the San Francisco Federal District Court, setting his debts at \$207,652 and assets at \$10,050. He named more than seventy creditors. The principal claim against him, according to the petition, is held by the Western Loan & Building Company, 1150 Divisadero St., San Francisco, with four notes for \$32,000, \$30,000, \$21,000 and \$29,000. The notes are secured by Oakland property, the petition says.

"1929 WAS—the most profitable year for business since the war—it was the first boom year in industrial production since 1925. It was a record year in railroad earnings and efficiency—it was a good year for agriculture—it was an excellent year for wage earners—it was a terrible year for speculators.

"1929 WASN'T—a year of sound, well-balanced business growth—it wasn't a year in which business made its money in its own business—it wasn't a year of wise spending or wise saving—it wasn't a good year for building or real estate—it wasn't a year of much business efficiency or financial wisdom—it wasn't the kind of a year we want very soon again."

So says "The Business Week."

Modesto city council has adopted an ordinance regulating the storage of inflammable X-ray and other films. The ordinance was drawn for the purpose of preventing a possible re-occurrence of hospital tragedies here which took heavy tolls of lives in Cleveland, Ohio, and other places this year. The ordinance covers only films of the nitrocellulose variety, which are highly inflammable and emit a deadly gas when burnt. The measure provides stringent rules for the storage of such films.

During the year 1929, building-loan associations of the nation made mortgage loans to the amount of one billion, eight hundred and fifty millions of dollars, which enabled over five hundred thousand families to enjoy the blessings of home ownership, the California Building-Loan League reports.

The license of the Port Stockton Cement Company to sell stock has been suspended by the State Corporation Department and 80 per cent of the money already collected by the corporation ordered returned to the stockholders. The company planned the construction of a cement mill in Stockton, securing the limestone and shale from a deposit near Columbia, Tuolumne county. Further negotiations are said to be under way to refinance the project.

A revision of Reno's building ordinance to prevent contractors alleged to be irresponsible from going to Reno "from San Francisco" and coast points to engage in building is being considered by the Reno, Nevada, city council at the request of labor union representatives. Union representatives who have taken the matter up with the council say that coast contractors will come to Reno in large numbers next spring, bringing their own mechanics with them, and if Reno does not have a good building ordinance and enforce it that many poor buildings will be erected.

There are romances in trade associations as well as in individual experience. The United Roofing Contractors' Association was organized 43 years ago by a few gravel and slag roofers. It has successfully survived the many vicissitudes that beset the life of a trade organization and is still active in setting high standards for the entire roofing industry. Its specifications for built-up roofs are regarded by government authorities and leading architects as guides to the best in roof construction. This association will hold its 43rd annual convention at Louisville, Ky., Jan. 22 to 24, 1930. Delegates from all parts of the United States and Canada will be present. C. C. James of Grand Rapids, Mich., is president.

During the month of December, 1929, the Los Angeles city building department issued 2201 permits with an estimated valuation of \$3,992,459, as compared with 2120 permits with an estimated valuation of \$10,032,321 for the same month last year. For the year 1929 Los Angeles building total was \$93,016,160, as compared with \$101,678,768 for 1928.

The Sacramento city council can solve the problem of getting another city manager, if it wants to, saving the tax payers some \$8,999 a year. Chas. E. Wright, Sacramento real estate dealer, has offered his services as city manager to the council at \$1 a year. Wright said he'd be willing to work for that amount if the council wanted to consider it. His offer was noted in the records for future reference.

CONTRACTOR CHARGES PLOT TO BOYCOTT

Charges by an independent building contractor that a boycott agreement exists among building trades members of the East Bay Industrial Association are under investigation by District Attorney Earl Warren of Alameda County.

The alleged disclosure of a combine to boycott nonmembers was precipitated by the theft of 70 sacks of cement from an apartment house under construction at 2120 Delaware street, Berkeley.

J. M. Kinley, building contractor and nonmember of the association, told Berkeley police he believed the theft to be the result of his refusal to join the association.

Because of the refusal he was unable to buy cement in the East Bay and was forced to go to San Francisco for his materials, Kinley said.

Told of the charges in the hands of Hutchinson, District Attorney Earl Warren said:

If what Kinley says is true there will be a warm time for somebody, no matter who it is. This charge will be thoroughly sifted.

Denial that a boycott agreement exists between members of the association was made by Secretary Lawrence E. Crawford.

METALLIC AGGREGATE HARDENS CONCRETE

Unusual hardness, wear resistance and impenetrability to moisture and oil are claimed for a metallic aggregate known as Betonac, which has been introduced into this country from abroad by the American Betonac Corporation, New York City. The material is made in three grades which may be used separately or in combination to obtain surfaces of different characteristics. To secure a smooth texture throughout, the coarsest grade is used, consisting of particles about the size of wheat grains. The fine grade is used where unusual waterproofing efficiency is desired, and the medium grade is mixed with either of the two others to secure a non-slip surface. In mixing, the maximum strength is secured by taking equal parts, dry measure, of Betonac and portland cement. This can be applied to green concrete foundations as a top dressing, or to old concrete wherever a concrete surface finish would adhere. For some purposes, Betonac can be diluted with sand up to a maximum of 50 per cent sand content. The ingredients are thoroughly mixed dry before water is added in sufficient quantities to obtain the consistency desired. When desired, Betonac can be used in combination with coloring materials or with quick-setting cement.

IN NEW QUARTERS

Harvey A. Klyce, general contractor, announces the removal of his offices from the Call Building to the Builders' Exchange, 666 Mission Street, San Francisco.

ALONG THE LINE

W. R. Yelland, Oakland architect, and Miss Edna Holroyd, for a number of years San Mateo county librarian, were married in St. James Church, at Monterey, December 23.

Nels H. Sjöberg and Harold O. Sjöberg announce the formation of a partnership, doing business under the firm name of N. H. Sjöberg & Son. They will engage in the general contracting business with headquarters at 632 Call Bldg., San Francisco.

John Flynn has been named assistant building inspector of San Mateo and George Wade, office engineer in connection with the city engineer's office. The appointments are announced by E. P. Wilsey, new city manager of San Mateo.

Chester C. Fisher, construction engineer with the J. G. White Engineering Corporation on irrigation projects in Mexico, has resigned to become consulting engineer to the Soviet government on irrigation construction in Transcaucasia, with headquarters at Tiflis. Fisher was formerly an engineer for the U. S. Bureau of Reclamation.

J. E. Curd, city superintendent of public works for Porterville, Calif., has submitted his resignation to Fred Pease, city manager, to become effective in sixty days. Curd has been in the employ of the city for 13 years.

John C. Denney, director of the Washington State Department of Public Works, has resigned and his resignation has been accepted by Governor Roland H. Hartley, effective at once. His successor has not yet been named.

W. H. Eisenman of Cleveland, Ohio, secretary of the American Society for Steel Treating, is at the St. Francis Hotel making preliminary plans for the Western Metal Congress to be held in San Francisco next month, drawing 1000 delegates and friends. A local committee of arrangements for the congress consists of Albin Johnson and Ralph Hirst of San Francisco and F. B. Drake of Berkeley.

Frank M. Butler, construction engineer, who was engaged in connection with the erection of the San Francisco Ferry Building and other noted structures throughout the West, died of heart failure in Oakland Jan. 4. He was 71 years old and a native of Massachusetts. He lived in California for more than fifty years.

Through a decision by Superior Judge Michael J. Roche (San Francisco) the city of Santa Cruz is awarded the verdict in a suit brought by Charles Gilman Hyde, engineer, for services. Mr. Hyde, employed in connection with a sewer project for city of Santa Cruz, was allowed additional time beyond contract specifications, it was shown. He presented a bill for \$5,717 for his additional time, which was disallowed by the court.

Joseph B. Shaw, for the past two years connected with the National Brick Manufacturers Association as engineer, has been appointed city engineer of Utica, N. Y., effective Jan. 1, succeeding Richard S. Cookingham.

TRADE NOTES

J. W. Pearson has been appointed general manager of the Redwood Manufacturing Company, succeeding A. W. Jongeneel, whose resignation was effective January 1. Pearson has been with the company for nine years and previous to his recent advancement was general superintendent.

Port Orford Cedar Products Co. has opened an office in Los Angeles at 605 Petroleum Securities Bldg. with Thos. W. Dant in charge.

Andrew C. Stewart will operate from 2536 Santa Clara Ave., Alameda, under the firm name of Stewart Mantel and Tile Company.

Good Lumber Co. has purchased the Cash Lumber Company of Tracy, Cal., Ray E. Burnett, former owner of the Cash Lumber Company, proposes to take a long vacation from business and then enter business elsewhere.

Fickling & Chaffee, Ltd., manufacturers of the Thermador electric heater, have opened a branch and warehouse at 447 Sutter St., San Francisco, under the direction of J. A. Graham. Stock is carried for distribution in this territory.

Pacific Paint & Varnish Company, Fourth and Cedar Sts., Berkeley, plans to double the size of its present plant and complete the construction of a spur track in connection therewith.

Kaiser Paving Company, producers of Livermore Valley sand and gravel, announces the opening of San Francisco office at 407 Call Bldg., with M. T. Scott in charge. Mr. Scott was formerly connected with the California Rock Company.

Coast Engineering Laboratories, Inc. capitalized for \$150,000, has been incorporated with the principal place of business in San Francisco. Directors of the company are Robt. D. Scholes, William Brooks, Robert E. Child, P. E. Fitzpatrick and Simeon E. Shepley.

Progress Lumber Company of Redwood City, at \$250,000 corporation headed by Paul M. P. Merner, has been organized to acquire the company of similar name heretofore operated by Merner. Merner is to receive 825 shares of common stock, par value \$100 a share, of the new corporation in payment for his business and assets subject to liabilities of \$55,371. The permit issued by the State Corporation Department also authorizes the sale of 750 shares preferred and 925 shares common stock to its incorporators, stockholders and employees at par, \$100 a share.

The Ohio Varnish Company has located a branch office and warehouse at 64 Natoma St., San Francisco, for the purpose of distributing their products of paints, varnishes, etc., throughout California, Washington, Oregon and Nevada. The San Francisco office and warehouse occupies 5000 square feet of floor space, and is under the management of Mr. W. T. Averá. The local office is a branch of the Ohio Varnish Company of Cleveland, Ohio.

HERE — THERE —
EVERYWHERE

Walter Scrim of Los Angeles has been re-elected president of the Philippine Mahogany Association to serve during the coming year. Other officers re-elected are: Howard R. Black, vice-president; Cayton D. Mell, secretary, and Herbert L. Black, treasurer. Roy Barto of Los Angeles is a director of the association.

H. E. Vickroy of Stockton submitted the lowest bid to the San Joaquin county supervisors to erect a structure costing \$1,569. He will probably lose the contract, due to the fact that he was unable to produce a contractor's license as demanded by the state law.

Builders' Exchange of Alameda Co. is preparing to launch a drive for new members, according to Wm. Makin, president of the organization.

American Concrete Pipe Association will meet in Los Angeles, January 15-16.

PUBLIC CONSTRUCTION WILL BE
EXPEDITED

A preliminary survey of the new division of public construction, just created in the Department of Commerce, at the request of President Hoover, reveals wide-spread, prompt, and efficient mobilization of effort to expedite public construction, in response to President Hoover's appeal for the co-operation on the part of Governors, and other public officials, says the Commercial Standards Monthly.

The newly organized division, which is under the direction of Dr. John M. Gries of Ohio, former chief of the Division of Building and Housing of the Bureau of Standards, serves as a clearing house of information on methods and plans. In general, it is helping to co-ordinate the efforts of the Federal Government departments and of State and local Governments in their programs to help to stabilize business and employment conditions by speeding up construction projects.

The State Governors, in response to telegrams from President Hoover, have assumed responsibility for carrying out the idea in their own state, and for encouraging similar efforts on the part of county and municipal officials. Some of the Governors have indicated that they wish to be informed of measures and methods being used elsewhere, particularly where the best results are achieved, and the division of public construction is analyzing the reports already in hand from this point of view.

The new unit is also making an intensive study of Federal Government projects now under way or which can be put in motion within the next few months. Such information on the position of the many Federal departments and bureaus which carry on construction is necessary for the most effective mobilization of the Federal Government's own efforts.

Facts on many phases of the problem are already in the hands of Dr. Gries, as a result of the study of public works by the division of Building and Housing, and the National Bureau of Economic Research.

Trade Literature

A 24-page catalogue entitled "Behind the Plastered Wall," has been published by The Herman Nelson Corporation, Moline, Ill. This pamphlet contains much valuable descriptive material on invisible radiators and is replete with illustrations.

National Steel Fabric Company, Pittsburgh, Pa., is distributing a 24-page, illustrated booklet, "Better Walls for Better Homes," describing the methods of application and the results obtained by the use of Steeltex reinforcing for plaster.

A catalogue which describes the complete line of builders' hardware produced by the Frantz Mfg. Co., Sterling, Ill., has been published by that company. This booklet contains 112 pages and includes data on house, barn and general building hardware.

A 270-page catalogue has been published by the Gould Mfg. Co., Oshkosh, Wis., to acquaint the trade with the present status of its complete line of woodwork. The booklet is entitled "A Design Book of Gould Quality Woodwork" and contains a large number of illustrations and specifications as well as much useful information on its subject.

The Wisconsin Steel Co., Chicago, Ill., has published a 248-page catalogue which lists the large variety of steel products, round bars, flat rolled steel and industrial shapes produced by that company. Weight and area tables and drawings assist to make this a very informative booklet.

Two new circulars distributed by the Litterer Bros. Manufacturing Co., Chicago, Illinois, describe the Ferrometal Partitions and Unit Shower Stalls manufactured by that company. With adequate illustrations and drawings included in their make up these circulars carry complete information, including construction details on this equipment.

Youngstown Sheet & Tube Company, Youngstown, Ohio, has issued two bulletins giving technical information and data on electrical conduit and on pipes of both the welded and the seamless variety. The first is primarily a descriptive bulletin on conduit the second is a data book containing many engineering tables on pipe dimensions and weights and similar information, as well as brief descriptions of manufacturing processes and brief directions for the proper handling of pipe on the job to secure satisfactory results.

Tractor Equipment, Inc., of San Francisco, has established a retail and wholesale branch in Sacramento, the first of three to be located north of the Tehachapi. Fresno and Stockton will be locations of the others. The firm is distributor of Monarch Track-type tractors, United Wheel-type tractors and complete lines of agricultural implements and industrial equipment. George W. Williams of Sacramento, who has covered the Superior California territory for the company as salesman for the past five years, has been selected to manage the Sacramento branch.

LOCALIZED BOARDS PROPOSED TO STABILIZE BUILDING

Local "Stabilization boards," to accelerate construction work in times of depression and to retard it in times of unusual natural activity, with a central agency in the Federal Government to act as a clearing house of information, were advocated by John R. Ringleman, senior economist of the division of building and housing of the Department of Commerce, in an address Dec. 28 before the American Economic Association, meeting in Washington.

The object of the plan, he stated, is to help relieve unemployment during depressions and to assist in stabilizing business activity in general.

The community conference board of Rochester, N. Y., was cited by Mr. Ringleman as an example of a local stabilizing organization that had produced good results. In this city of 330,000 people, he stated, severe fluctuations in construction and employment had been experienced. Since 1921, when the conference board was formed at the suggestion of George R. Eastman, head of the Eastman Kodak Company, it was cited that the board has been able to obtain the co-operation of interested elements in such a way that an increasing amount of work has been furnished each year during the months of December to March.

In most cases, said Mr. Ringleman, it would be best to appoint the local boards for the specific purpose in view and to have them composed principally of persons having direct relation with the control of construction activity.

The Federal Government could take part in the plan, Mr. Ringleman pointed out by co-ordinating its own construction work, by acting as a clearing house for information, and by suggesting methods of operation.

S. F. BOASTS 15 BUILDINGS 200 FEET OR HIGHER

San Francisco has fifteen buildings that are more than 200 feet in height, it was revealed recently by John B. Leonard, superintendent of the bureau of building inspection.

The highest is the Russ Building, 408 feet, and the others are the Shell 380 feet; Telephone, 368; Fort-fifty Sutter, 346; Standard Oil, 327; William Taylor Hotel, 310; Hunter-Dulin, 209; City Hall, 300; Sir Francis Drake Hotel, 273; Pacific Gas & Electric, 259; Mark Hopkins, 256; Clay-Jones Apartments, 252; Matson, 226; Cathedral Apartments, 220, and the Financial Center, 206.

The Russ Building, being the highest, also cost the most. It cost \$5,000,000. The total cost of the others was \$26,000,000.

WESTERN PIPE EXPANDS

Western Pipe & Steel Company, already one of the largest manufacturers of fabricated steel on the Pacific Coast, with headquarters in San Francisco and a large plant at South San Francisco, has recently further expanded through the acquisition of the Western Pipe & Steel Company of Illinois. The Chicago concern started about six years ago and manufactures a specialized line of pressed steel products including bulkheads for refrigerator cars, steel concrete forms, and similar products. Other plants operated by Western Pipe & Steel are located at Los Angeles, Fresno, Taft and Phoenix.

TULARE'S MUNICIPAL WATER PLANT PAYS PROFITS

The municipally owned water system of the city of Tulare, Calif., is paying its own way, according to a report presented to the Municipal Board of Public Utilities.

During the year 1929, a revenue of \$36,848 was derived from the sale of water. Of this, \$23,398.66 went for the expenses of operation, maintenance and general administration. \$127.06 went for extension of the system, and \$1532.58 towards a new well.

Thus the department not only paid costs, but was able to proceed to the amount of \$3658.84 on a program of extension obligatory from the growth of the city.

A balance of \$8453.44 was left in the city's water department fund at the end of the year, City Clerk Cobb's December 31 report showed.

Tulare uses almost exactly an average of \$3000 worth of water each month. Last year the monthly totals varied from \$2735.09 in November, to \$3472.23 in October.

The amount of water used corresponded generally with the heat of the weather, November, February and March being the low months, and August, September and October being the high.

PRICES OF TRACTORS AND GRADERS REDUCED

Substantial reductions in the prices of Caterpillar tractors and of Caterpillar graders (formerly known as Russell graders) are announced by Caterpillar Tractor Company, to take effect immediately, as follows:

Caterpillar Model 60 was reduced \$125; Model 30, \$100; Model 20, \$75; Model 15, \$50; Model 10, \$25.

Reductions in the prices of Caterpillar graders are: Super Mogul, reduced \$285; Super Reliance, \$190; Super Special, \$190; No. 3 Standard, \$100; No. 2 Standard, \$95; No. 10 Grader, \$55. Corresponding reductions have been made in the prices of the Three Hi-Way Patrol, Motor Patrols No. 20, 11 and 10, the "Sixty" Elevating Grader and the "Forty-two" Giant.

LIGHT-WEIGHT FLOOR CONSTRUCTED OF STEEL AND CONCRETE

Elimination of unnecessary dead weight is the objective of a new type of steel deck floor construction developed by the Rivet-Grip Steel Company, of Cleveland, Ohio. Besides its light weight, this design also has the advantage of excellent rigidity. Component parts include a welded steel joist made up with a channel for the top chord, a tee for the bottom chord, and heavy webbing welded into place to connect the two; ribbed, solid plate steel decking interlocking with the top chord channels of the steel joists; the special bridging forms and fireproofing forms. In building the floor, the joists are first placed in accordance with the usual practice. The steel deck pans are laid with their hooked ends turned down into the trough of the joist channels and are wired into place. At the center of each floor panel bridging forms of heavy gage metal are hurg from the deck pans. The panel ends are then closed by fireproofing forms. This assembly produces a solid interlocked steel deck which forms a satisfactory flooring for the mechanical trades and upon which concrete or terrazzo can be cast without sag or dripping of cement mortar.

Building News Section

APARTMENTS

Preliminary Plans Being Prepared.

APARTMENTS Cost, \$—
YOSEMITE VALLEY, Mariposa Co.,
Two-story rustic apartments (4-family
building).

Owner—U. S. Government.
Architect—Thomas C. Vint, 525 Mar-
ket St., San Francisco, % Dept.
of Interior.

Project is in a very preliminary
stage.

Preparing Working Drawings.

APARTMENTS Cost, \$125,000
LOS ANGELES, Los Angeles Co., Cal.
Oxford St. near Sixth St.
Five-story Class B brick and steel
apartments (60x140 feet).

Owner and Builder—Maurice Felgen-
baum, Union Bank Bldg., Los An-
geles.

Architect—Lester T. Squiers, 321
Union League Bldg., Los Angeles.

Contract Awarded.

APARTMENTS Cost, \$175,000
LOS ANGELES, Cal. Menlo Ave.
near Eleventh St.

Seven-story Class A reinforced con-
crete apartments (100x125 ft.)

Owner—Withheld.

Architect—Fred Sward, California Re-
serve Bldg., Los Angeles.

Contractor—Bogue & Lindquist, Per-
guson Bldg., Los Angeles.

Plans Completed.

APARTMENTS Cost, \$12,000
CAPUCHINO MANOR, San Mateo Co.,
Two-story frame and stucco apart-
ments and stores (2 3-room apts.
and 2 stores).

Owner and Builder—S. A. Born Bldg.
Company.

Plans by Grimes & Schoening, Balo-
vich Bldg., San Mateo.

Sub-bids will be taken Jan. 6.

Preparing Working Drawings.

APARTMENTS Cost, \$17,000
BURLINGAME, San Mateo Co., Cal.
Two-story reinforced concrete apart-
ment and store building (4 2-room
apts. and 3 stores).

Owner—Carl Torello, 1145 Drake St.,
Burlingame.

Architect—E. L. Norberg, 580 Market
St., San Francisco.

Plans will be ready for bids in about
two weeks.

Sub-Figures Being Taken.

APARTMENTS Cost, \$—
SAN FRANCISCO. Location Withheld
Six-story and double basement steel
frame and concrete apartment
building (60 2 and 3-room apts.)

Owner & Builder—Michael Demplak,
355 Octavia St., San Francisco.

Architect—Withheld.

Will be of Spanish type of architec-
ture and basement will accommo-
date 60 cars. Clearing of site will start
after January 1st.

BURLINGAME, San Mateo Co., Cal.
John P. Hall has been authorized by
the city council to erect a three-story
Spanish type 24-apartment building
with a 15-ft. set-back at El Camino
Real and Willow Ave. Estimated cost
\$30,000.

Plans Prepared.

APARTMENTS Cost, \$150,000
FRESNO, Fresno Co., Cal. SE M
and Mariposa Streets.

Four-story fireproof apartments, 100x
50 feet.

Owner—Griffith Estate Co., Ltd., Grif-
fith-McKenzie Bldg., Fresno.

Architect—Not Given.

Fisher & McNulty, Mattel Bldg.,
Fresno, general contractors, have been
requested to submit a figure on the
proposed structure.

Working Drawings Being Prepared.

APARTMENTS Cost, \$—
SAN FRANCISCO. SW California and
Octavia Sts.

Six-story Class C steel frame and
brick apartment building (42 3, 4
and 6-room apts.)

Owner and Builder—Herman Hogrefe,
149 Greenwich St., San Francisco.

Architect—E. E. Young, 2002 Califor-
nia St., San Francisco.

Sub-Contracts Awarded.

APARTMENTS Cost, \$700,000
SAN FRANCISCO. SW Green and
Leavenworth Sts.

Twenty-three-story Class A (74
apartments).

Owner—Belhairs Bldg., Inc., Crocker
First National Bank Bldg., San
Francisco.

Architect—H. C. Baumann, 251 Kearny
St., San Francisco.

Structural Engineer—L. H. Nishkian,
595 Market St., San Francisco.

Hardwood Floors—Royal Floor Co.,
7th and Brannan Sts., San Fran-
cisco.

Heating—Andy Harper, 140 8th St.,
San Francisco.

Sub-bids are being taken on other
portions of work.

As previously reported, plastering
awarded to Carl Berg, 719 45th Ave.,
S. F.; concrete forms to Mission Con-
crete Co., 270 Turk St.; excavating to
North Beach Auto Hauling Co., 2055
Greenwich St.; painting to D. Zelinsky,
165 Grove St.; structural steel to Jud-
son-Pacific Co., 609 Mission St.

Plans To Be Prepared.

APARTMENTS Cost, \$—
LOS ANGELES, Cal. Mariposa Ave.,
Bet. 7th and 8th Sts.

Six-story Class B brick and steel
apartments (60x140 ft.)

A Demonstration of the

SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1222 Mission St. Underhill
San Francisco 1267

Owner—Morris Seeman, 113 N. Ave.,
Los Angeles.
Architect—Max Maltzman, Union Bk.
Bldg., Los Angeles.

Contract awarded.

APARTMENTS Cost, \$30,000
SACRAMENTO, Sacramento Co., Cal.
No. 1000-1002 O Street.

Two-story frame and stucco apart-
ments.

Owner—Mr. Wing, Tenth and O Sts.,
San Francisco.

Architect—None.

Contractor—Lindgren & Swinerton,

Sub-Bids Being Taken.

APARTMENTS Cost, \$60,000
SAN FRANCISCO. E Laguna St. 100
S Waller St.

Six-story class C reinforced concrete
apt. bldg. (18 3-room apts.)

Owner and Builder—Wm. Van Herrick,
50 Laguna St.

Plans by Owner.

Plans Being Completed.

APARTMENTS Cost, \$17,000
BURLINGAME, San Mateo Co., Cal.
Two-story reinforced concrete apart-
ment and store building (4 2-room
apts. and 3 stores).

Owner—Carl Torello, 1145 Drake St.,
Burlingame.

Architect—E. L. Norberg, 580 Market
St., San Francisco.

Bids will be taken in one week.

BONDS

MENDOCINO, Mendocino Co., Cal.—
Election will be called shortly in Men-
docino Grammar School District to
vote bonds of \$20,000 to finance erec-
tion of new grammar school, replacing
building recently destroyed by fire.

FORTUNA, Humboldt Co., Cal.—
Fortuna Grammar School District will
call election shortly to vote bonds of
\$35,000 to finance erection of the first
unit of a new school building. No
architect has been selected as yet.

SAN JOSE, Santa Clara Co., Calif.—
County Superintendent of Schools is
assisting in the formation of the Linda
Viata School District, comprising por-
tions of the Berryessa Union, Pala and
Hukey schools. After formation an
election will be called to vote bonds to
finance erection of a new school.

January 6, 1930
City To Vote Bonds To Finance.
CITY HALL Cost, \$60,000
CARMEL, Monterey Co., Cal.
Combined city hall and firehouse.
Owner—City of Carmel.
Architect—Not Yet Selected.

WILLOW GLEN, Santa Clara Co.,
Cal.—County supervisors sell \$43,000
bond issue of Willow Glen School Dis-
trict; proceeds of sale to finance
erection of a new school building.
Issue brought a premium of \$530.

WALNUT CREEK, Contra Costa
Co., Calif.—Local Chamber of Com-
merce urges election to vote bonds of
\$75,000 to finance erection of addition-
al units at the Mt. Diablo high school
at Concord. An election recently held
to vote \$350,000 for a new school was
defeated.

ALTURAS, Modoc Co., Cal.—Jan. 27 is date set by Alturas Grammar School District to vote bonds of \$150,000 to finance erection of a new grammar school, preliminary plans for which are being prepared by Architect Ralph D. Taylor, Belli Bldg., Alturas. Trustees of the district are: P. S. Dorris, W. H. Smith and S. T. Ballard. Will be of concrete construction containing 16 classrooms.

CHURCHES

Plans Being Figured.

CHURCH Cost, \$—
LOS ANGELES, Los Angeles Co., Cal.
 No. 4510 Finlay Avenue.
 Two-story and basement reinforced concrete church.
 Owner—Philip Memorial Church (Rev. Neal Dodd, Vicar).
 Architect—Carleton M. Winslow, Architects' Bldg., Los Angeles.

Plans To Be Prepared.

CHURCH Cost, \$—
HAYWARD, Alameda Co., Cal.
 Church building.
 Owner—First Christian Church (Rev. J. A. Shoptaugh, Pastor).
 Architect—Not Yet Selected.

At a recent meeting of the congregation it was voted to purchase a site and erect a modern church building. A committee to work out means of financing will be named shortly.

DINUBA, Tulare Co., Cal.—First Baptist Church destroyed by fire December 31. The loss is estimated at \$50,000, partially covered with insurance.

Plans Completed.

CHURCH Cost, \$—
LOS ANGELES, Cal. No. 4510 Finlay Avenue.
 Three-story frame and stucco church (concrete basement; 56x109 ft.)
 Owner—Mrs. Florence M. Quinn.
 Architect—Carleton M. Winslow, Architects Bldg., Los Angeles.

Contract Awarded.

CHURCH Cost, \$—
BEVERLY HILLS, Los Angeles Co., Cal. 51st St. and Halldale Ave.
 Two-story frame and stucco church.
 Owner—St. John's Evangelical Lutheran Church.
 Owner—John P. Pedersen, 437½ N. Beverly Drive, Beverly Hills.
 Contractor—Schroenrock & Johnson, 1323 Santa Monica Blvd., Beverly Hills.

Plans To Be Prepared.

ADDITION Cost, \$10,000
PLEASANTON, Alameda Co., Cal.
 Sunday school addition for church.
 Owner—Presbyterian Church, Rev. R. C. Cross, Pastor, Pleasanton.
 Architect—Not Yet Selected.
 The necessary funds to finance construction has already been pledged. It is proposed to have construction completed this Spring.

Plans To Be Prepared.

CHURCH Cost, \$—
SAN PEDRO, Los Angeles Co., Cal.
 Church.
 Owner—Bethel Lutheran Church, Rev. N. P. Anseen, Pastor.
 Architect—Not Selected.

Plans To Be Prepared.

CHAPEL Cost, \$60,000
SAN RAFAEL, Marin Co., Cal.
 Chapel.
 Owner—Dominican College of San Rafael.
 Architect—Arnold Constable, 580 Market St., San Francisco.

FRESNO, Fresno Co., Cal.—Bids will be asked at once by the Trinity Lutheran Church to erect Sunday School unit in connection with the present church plant at Belmont and Thesta Ave.; estimated cost \$10,000. Will have seating capacity of 250 persons with stucco exterior and amber glass windows. Rev. Theodore Seashore is pastor. Money to finance is available.

FACTORIES AND WARE-HOUSES

Contract Awarded.

IMPLEMENT BLDG. Cost, \$9597
KING CITY, Monterey Co., Cal. Lots 101-103 Block H.
 One-story frame implement building.
 King City.
 Owner—H. A. F. Company, Broadway.
 Architect—H. B. Douglass, Greenfield.
 Contractor—Fred McCrarry, Fremont St., Monterey.

Sub-Contracts Awarded.

STORAGE BLDGS. Cost, \$30,000
RICHMOND, Contra Costa Co., Cal.
 Two 1-story concrete storage buildings; one 26 by 70-ft. and one 26 by 100-ft. and one 1-story frame lumber shed, 40 by 175-ft.

Owner—Santa Fe Railway.

Architect—Engineering Dept. of Owners.

Contractor—Villadsen Bros., 417 Market St., San Francisco.

Reinforcing Steel—Gunn, Carle & Co., 444 Market St., San Francisco.

Lumber—Christensen Lumber Co., 5th and Hooper Sts., San Francisco.

Steel Sash—Gensire Steel Co., 461 Market St., San Francisco.

Miscellaneous Iron—Patterson & Koster, 280 13th St., San Francisco.

Hardware—Marshall Newell Co., Mission and Spear Sts., San Francisco

Mill Work—Redwood Mfg. Co., Hobart Bldg., San Francisco.

Steel Forms—Steelform Contracting Co., Monadnock Bldg., San Francisco.

Sub-bids are being taken on sheet metal, plastering, sewers and glass work.

FRESNO, Fresno Co., Cal.—Canham Dairies, Inc., Ltd., of Fresno, has been incorporated and proposes to finance the erection of a modern dairy plant in Fresno. The company is capitalized for \$200,000. Directors are J. S. Canham, (formerly general manager of the Jersey Farm Dairy at Fresno); Annie L. Canham, Ella Canham and Florence Canham, all of Fresno.

Plans Completed—Bids To Be Asked Shortly.

HANGAR Cost, \$—
HANFORD, Kings Co., Cal. Municipal Airport.

Steel frame hangar, 60x70 feet.
 Owner—City of Hanford.
 Architect—Swartz & Ryland, Brix Bldg., Fresno.

Slight revisions are being made in the plans and when these receive the approval of the city council bids for construction will be asked.

Preparing Working Drawings.

ADDITION Cost, \$—
SAN FRANCISCO, Eighth St. near Folsom St.

Four-story reinforced concrete addition to present laundry.

Owner—Galland Laundry Co., 301 8th St., San Francisco.

Architect—Hyman & Appleton, 88 Post St., San Francisco.

Plans will be ready for bids in about 30 days.

Sub-Figures Being Taken.

CLEANING PLANT Cost, \$90,000
SAN FRANCISCO, Mission St. bet. 9th and 10th Sts.
 Four-story reinforced concrete cleaning plant.
 Owner—Thomas Dyeing and Cleaning Works, premises.
 Architect—F. W. Dakin, 625 Market St.
 Contractor—MacDonald & Kahn, Financial Center Bldg.

Revised Plans Being Completed.

PUBLISHING PLANT
 Cost, \$1,250,000 with equipment.
SAN FRANCISCO, Russ and Howard Streets.
 Three-story brick and reinforced concrete newspaper publishing plant.
 Owner—San Francisco Daily News, 340 Ninth St., San Francisco.

Architect—Howell & Thomas, 3868 Carnegie Ave., Cleveland, Ohio.

Structural Engineers—Shank & Fisher, 6007 Euclid Ave., Cleveland, Ohio.

Plans for this structure were recently approved, but due to the purchase of a larger press it was necessary to revise the plans to meet new arrangements in the mechanical department. Final approval of the plans will be made by the Scripps-Howard Press, 230 Park Ave., New York. It is proposed to commence construction at once.

Commissioned To Prepare Plans.

MFG. PLANT Cost, \$100,000
LOS ANGELES, Cal. Hostetter Industrial District, 2½ Acre Site.
 Manufacturing plant.

Owner—Liquid Carbonic Corp. of Chicago.

Architect and Contractor—The Austin Co. of Calif., 777 E. Washington St., Los Angeles.

OAKLAND, Alameda Co., Cal.—Bids will be asked at once by City Port Commission, 424 Oakland Bank Bldg., for structural steel frame for Transit Shed to be constructed on 9th Ave. Pier.

Owners To Erect By Day Labor.

CREAMERY Cost, \$150,000
BAKERSFIELD, Kern Co., Cal. Union Ave. and 18th St.

Three-story and basement steel and reinforced concrete creamery and ice cream plant (site 124x310-ft.).

Owner—Wasco Creamery & Coast Co., H. G. Hull, president, Wasco, Cal.

Architect—Not Given.

Equipment of latest type of stainless steel will be installed; direct expansion cooling or refrigeration system.

Contract Awarded.

LAUNDRY Cost, \$15,000
OAKLAND, Alameda Co., Cal. E. Poplar St. 80 N 22d.

One-story concrete laundry.

Owner—Superior French Laundry, 1028 22nd St., Oakland.

Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.

Contractor—Gaubert Brothers, 4725 Brookdale Ave., Oakland.

STOCKTON, San Joaquin Co., Cal.—Proposal of the Port Stockton Cement Co., Claus Spreckels Bldg., San Francisco, to establish a cement plant in Stockton has been temporarily abandoned and the license granted the company by the State Corporation Department to sell stock has been suspended.

Eighty per cent of the money already collected by the corporation has been ordered returned to the stockholders.

The company planned the construction of a mill within the Stockton city limits, securing limestone and shale from a deposit near Columbia, Tuolumne county. Further negotiations are said to be under way to refinance the project.

Sub-Contracts Awarded.
WAREHOUSE Cost, \$250,000
SAN FRANCISCO. Foot of Twenty-third St.

One and two-story steel frame and concrete warehouse (140x320 ft.)
 Owner—Western Sugar Refining Co., 2 Pine St., San Francisco.

Plans by Engineering Dept. of Owner.
 Engineer—H. J. Brunner, Sharon Plg., San Francisco.

Contractor—Barrett & Hlpl, 918 Harrison St., San Francisco.

Plumbing—Mechanical Contracting Co., 53 Shipley St., San Francisco.

Sheet Metal—Fire Protection Products Co., 1101 16th St., San Francisco.

Electrical Work—Chas. Langlais, 472 Tehama St., San Francisco.

Sprinkler System—Fire Protection Engineering Co., 369 Pine St., San Francisco.

As previously reported, excavating awarded to Sibley Grading & Teaming Co., 165 Landers St., S. F.; structural steel to Dyer Bros. Iron Works, 17th and Kansas Sts., S. F.; reinforcing steel to Pacific Coast Steel Co., 111 Sutter St., S. F.

RODEO, Contra Costa Co., Calif.—Construction has been started on a \$12,000 commercial experimental refinery by the Bear State Refiners, Ltd., at Rodeo, it is announced by J. H. Bill, Jr., of Oakland, president of the company. The plans will be devoted to the manufacture of petroleum products through a new process which has been successfully tried in a Utah refinery. Others interested in the company besides Bill, are B. P. Walker, Oakland, vice president; Roy G. Weslake, Los Angeles, secretary; and J. P. Menjolet, treasurer.

Plans Being Figured.
SHOP BLDG. Cost, \$12,000
SAN FRANCISCO. Bay St. & Columbus Ave.

One-story 50x100-feet reinforced concrete shop building.
 Owner—Max Samuel.

Architect—H. C. Baumann, 251 Kearny Street.

Sub-Contracts Awarded.
ADDITION Cost, \$15,000
SAN FRANCISCO. 20 Bayshore Ave.

Addition to present factory (steel frame, steel sash and brick construction).

Owner—Schlage Lock Co., premises.
 Plans by Austin Co. of California.

Contractor—Austin Co. of California, 609 Bldg.

Structural Steel—Judson - Pacific Co., 800 Mission St.

Steel Sash—Detroit Steel Products Co., Hunter-Dubin Bldg.

New machinery and equipment will be installed.

Sub-Bids Being Taken.
FACTORY BLDGS. Cost, \$60,000
LIVERMORE, Alameda Co., Cal.

Four 1-story reinforced concrete factory buildings.

Owner—Coast Mfg. & Supply Co. (T. W. Morris, President).

Plans by Austin Co. of California.

Contractor—Austin Co. of California, 1924 Broadway, Oakland.

Plans Completed.
ADDITIONS Cost, \$—
BERKELEY, Alameda Co., Cal.

Fourth and Cedar Sts.

Additions to present plant and complete construction of spur track, etc.

Owner—Pacific Paint & Varnish Co., Fremont.

Architect—None.

More information will be given within one week.

RICHMOND, Contra Costa Co., Cal.—Edsel Ford, president of the Ford Motor Co. at Detroit, announces construction will be started this Spring on the proposed assembly plant at Richmond to have a capacity of 400 cars a day. Plans, it is said, have been completed for the main plant, warehouse and dock. Further mention will be made of this project when negotiations are further advanced.

FRESNO, Fresno Co., Cal.—Stanley R. Pratt, for the past six years identified with the development of the cotton industry in the San Joaquin Valley, announces formation of a company to finance construction of a \$500,000 cotton seed oil mill on a site yet to be selected in San Joaquin County. Associated with Pratt in the company are: T. E. Dempsey of Kern County, H. G. Fawcett of Chowchilla, who is secretary of the new concern; P. A. Williams of Bakersfield, W. V. Allen of Madera, Roy L. Cross of Bakersfield and others.

Construction Started.
WAREHOUSE Cost, \$—
PORTERVILLE, Tulare Co., Cal. D Street.

One-story concrete block warehouse (40x112 feet).

Owner—Porterville Poultry Assn.

Architect—None.

Contractor—D. B. Miller, San Diego.

Sub-Bids Being Taken.
WAREHOUSE Cost, \$35,000
OAKLAND, Alameda Co., Cal. Third and Clay Streets.

Two-story and basement steel and brick warehouse and office building

Owner—Earl M. Jorgensen Company.

Architect—Eng. Dept. of Owner.

Contractor—Larsen & Larsen, Russ Bldg., San Francisco.

SALINAS, Monterey Co., Calif.—Standard Oil Company of California has acquired Moss Landing wharfage for an oil storage and distributing depot for the territory including San Benito County. A plant of 40,000-gallons capacity will be built at once.

Form Lumber Contract Awarded.
WAREHOUSE Cost, \$250,000
SAN FRANCISCO. Foot of Twenty-third Street.

One and two-story steel frame and concrete warehouse (140x320 ft.)

Owner—Western Sugar Refining Co., 2 Pine St., San Francisco.

Plans by Engineering Dept. of Owner.

Engineer—H. J. Brunner, Sharon Bldg., San Francisco.

Contractor—Barrett & Hlpl, 918 Harrison St., San Francisco.

Form Lumber—Christensen Lumber Co., Fifth and Hooper Sts., San Francisco.

As previously reported, excavating awarded to Sibley Grading & Teaming Co., 165 Landers St., S. F.; structural steel to Dyer Bros. Iron Works, 17th and Kansas Sts., S. F.; reinforcing steel to Pacific Coast Steel Co., 111 Sutter St., S. F.

Preliminary Plans Being Prepared.
HANGAR Cost, \$12,000
FRESNO, Fresno Co., Cal. Chandler Field Municipal Airport.

Steel hangar, 60x100-ft. (capacity of from 10 to 12 planes).

Owner—City of Fresno.

Engineer—Chris P. Jensen, city engineer, Fresno.

Plans Being Figured—Bids Close Jan. 22, 2:30 P. M.
ADDITIONS Cost, \$35,000
SAN FRANCISCO. Municipal Airport.

Additions to Hangars Nos. 2, 3 and 4.

Owner—City and County of San Francisco.

Architect—Eng. Dept., Board of Public Works, 3rd floor, City Hall.

Work will be done under Contract No. 16. Cert. check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall, on deposit of \$10, returnable.

Plans To Be Prepared.
CREAMERY Cost, \$50,000
LOMPPOC, Santa Barbara Co., Cal.

Creamery Plant.

Owner—Knudsen Creamery, Santa Maria.

Architect—Not Selected.

Efforts are now being made to have local dairymen provide a supply of 10,000 lbs. per day to assure construction of the plant.

GARAGES AND SERVICE STATIONS

Sites Purchased—Plans To Be Prepared.
STATION Cost, \$—
SANTA CLARA, Santa Clara Co., Cal.

Alameda and Bellomy Sts.

Gasoline service station (35 ft. frontage).

Owner—Union Oil Co. of Calif., Mills Bldg., San Francisco.

Architect—Eng. Dept. of Owner.

Site Purchased—Plans To Be Prepared
STATION Cost, \$—
SAN JOSE, Santa Clara Co., Cal. SE

Julian and First Sts.

Gasoline service station.

Owner—Union Oil Co. of Calif., Mills Bldg., San Francisco.

Architect—Eng. Dept. of Owner.

Plans Being Completed.
GARAGE Cost, \$120,000
WEST LOS ANGELES, Los Angeles Co., Cal.

Two-story and basement Class A garage (210x130 feet).

Owner—Master Service Co., Administration Bldg., Los Angeles.

Architect and Contractor—Westwood Mortgage & Investment Co., West Los Angeles.

Contract Awarded.
STATION Cost, \$14,000
SAN JOSE, Santa Clara Co., Cal.

Santa Clara and Vine Sts.

Steel and terra cotta super service station.

Owner—Standard Oil Co., 225 Bush St., San Francisco.

Architect—Eng. Dept. of Owner.

Contractor—W. H. Ball, 1288 Lupton Ave., San Jose.

Bids In—Under Advisement.
GARAGE Cost, \$12,500
SAN MATEO, San Mateo Co., Cal.

One-story reinforced concrete garage with truss ceiling.

Owner—Gus Adolphson, 706 N. Claremont St., San Mateo.

Plans by Russell Coleman, 1404 Broadway, Burlingame.

PALO ALTO, San Jose and Modesto, Cal.—Firestone Tire & Rubber Co., 2525 Firestone Ave., Los Angeles, thru its engineering department, is preparing working plans for three 1-story brick and concrete tire distributing plants and super-service stations to be located at Palo Alto, San Jose and Modesto. The buildings will be of brick and concrete construction, plaster exterior, tile roofing, ornamental iron, cement floors, iron folding gates, steel sash, tile work, restrooms, etc.

OAKLAND, Cal.—Dyer Bros., Ray Bldg., granted permit by city council to erect and maintain super-service station at the southwest corner of Shattuck Ave. and Aileen St.

GOVERNMENT WORK AND SUPPLIES

SACRAMENTO, Cal.—Until Jan. 21, 11 A. M., under Order No. 1578, bids will be received by U. S. Engineer Office, California Fruit Bldg., 4th and J Sts., to fur. and del. one electric driven refrigerator compressor unit.

The compressor unit to be fur. and installed shall be driven by a ½-hp. elec. motor, 110 volt direct current. The compressor shall be a 2-cylinder, slow speed, reciprocating type, bolt driven. The condenser shall be spiral grooved, brass, shell type, with water cooled receiver and compressor. All bearings shall be of extra heavy bronze and lubricated by bath or oil and splash system. It shall be fitted with a safety interlocking switch to break the motor circuit at excess pressure and shall have a water valve motor control by means of pressure or low pressure side of system, adjustable type. It shall be equipped with a "Fulton" shut-off valve in the service line to the ice making coil and a snap action valve connected to the flood coil. The unit shall be compact and mounted on a single base with a maximum floor space required of 16½"x22½"x40". The refrigerant shall be about 6 lbs. of anhydrous sulphur dioxide (SO₂) and the liquid receiver shall be not smaller than ¾" dia. and 14½" high. The capacity of this compressor unit shall be sufficient to give service to finned type cooling coils with a melting ice equivalent of 220 lbs. at 40 degrees F., and also an ice making coil with a production of 13½ lbs. of ice cubes per 5-hour period.

SACRAMENTO, Cal.—Until Jan. 14, 11 A. M., under Order No. 1575-1576, bids will be received by U. S. Engineer Office, California Fruit Bldg., 4th and J Sts., Sacramento, to fur. and del. Rio Vista, Solano county, 3,000 ft. 1½-in. dia. wire rope, 6 strands, 19 wires to the strand galvanized proof steel, Warrington construction. Minimum breaking strength 15,700 lbs.; to be in one piece on individual reel.

SACRAMENTO, Cal.—Until Jan. 17, 11 A. M., under Order No. 1579, bids will be received by U. S. Engineer Office, California Fruit Bldg., 4th and J Sts., Sacramento, to furnish one gas driven electric generator plant, 4 KW, 110 volts. The plant to be furnished shall be gasoline driven (4 cylinder engines) direct connected to the generator. The plant shall start and stop automatically when the current is turned on or off. It shall have a capacity of 4 kilowatts at 110 volts direct current. The average daily load will be under 2 kilowatts, but the nightly load will be in the neighborhood of 2 kilowatts. Therefore, a combination of two 2 kilowatt units connected with a multiple automatic switch is desired; that is, the system should be so designed and assembled that one unit only will be in operation when the load is under 2 kilowatts and when the load exceeds 2 kilowatts the other unit will automatically "kick in." These units shall have a single 24 volt starting battery with a minimum of 40 ampere-hour capacity, and shall have a fuel supply tank with a minimum capacity of 50 gallons. This plant is to be used on a houseboat and shall be of the marine type with closed runner circulating water pump. Two cylinder operated plants will not be considered. The installation will be made by and at the expense of the United States, but the

direction, supervision, and testing of the installation will be made by the successful bidder. Delivery shall be made f.o.b. U. S. houseboat in the vicinity of Sacramento 10 days after notification of award.

PEARL HARBOR, T. H.—Until February 26, 11 A. M., under Specification No. 6905, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for refrigerating plant and alterations and additions to existing wood frame building at Naval Operating Base (Air Station), Pearl Harbor, T. H. Specifications obtainable from above or from Commandant, Naval Operating Base at Pearl Harbor or the Commandant at the Mare Island, Calif., Navy Yard, on deposit of \$10, payable to Chief of the Bureau of Yards and Docks, returnable.

BURLEY, Idaho—Haas, Doughty and Jones, Merchants Exchange Bldg., San Francisco, submitted low bid to the Bureau of Reclamation, Burley, at \$537,200 for construction of earthwork and structures, stations 2315-00 to 3129-99, main canal, gravity extension division, Minidoka project, Idaho. The work will include 1,050,000 cu. yds. excavation, 900,000 sta. cu. yds. over haul, 3,600 cu. yds. backfill about structure, 900 cu. yds. concrete, placing 67,000 lbs. reinforcement bars, laying 2,550 lin. ft. of 18 to 36 ins. diam. of precast concr. pipe laying 190 lin. ft. of 21-in. and 24-in. corrugated-metal pipe, erecting 1,200 lin. ft. of semi-circular metal flume, erecting 225 ft. b. m. timber in structure, installing 32,000 lbs. gates, gate hoists, and other metal work. Specifications No. 503.

SAN FRANCISCO—Until January 15, 11 A. M., under Specification No. 6085, bids will be received by Public Works Officer, Mare Island Navy Yard, for re-roofing operator's quarters, Building No. 6 at U. S. Naval Radio Station, Farallon Islands.

SAN FRANCISCO—Until January 15 2 P. M., bids will be received by Superintendent of Lighthouses, Customhouse, San Francisco, for construction of upper and lower landings; concrete stairs to and from landings; reinforced concrete retaining wall at upper landing; construction of permanent and temporary roadways; construction of concrete raised bed complete with piping system; installation of service pipe lines; erection of tank foundations and of two 50,000 gallon redwood tanks, and installation of two complete derricks at landing platforms, one 5 ton and one 4 ton, complete; in accordance with specifications and drawings. Information upon application.

Plans Being Prepared.
NURSES' HOME \$150,000 appropriated VALLEJO, Solano Co., Cal. Mare Island Navy Yard.
Fireproof Nurses' Home.
Owner—U. S. Government.
Architect—Bureau of Yards and Docks Navy Department, Washington, D. C.

Preliminary plans have already received the approval of the Bureau of Medicine and Surgery at Washington, D. C.

WILLOWES, Glenn Co., Cal.—Engineers of the U. S. Department of Commerce have selected a site and construction will be started shortly on a radio range station to cost \$10,000. Will have a range of 250 miles and will guide planes along air mail lines.

SAN DIEGO, Cal.—Mangrum & Otter, Inc., 1235 Mission St., San Francisco, at \$19,826 with a bid of \$4,454 on proposition No. 2 submitted low bid to Bureau of Yards and Docks Navy Department, Washington, D. C., for cafeteria equipment for San Diego, under Spec. No. 5523. Other bids, taken under advisement, were:
The Dohrmann Hotel Supply Co., 623 C St., San Diego, item 1, \$20,164.90; 2, \$3,000.

Starrett Equip Corp. 2 Lafayette St., New York City, item 1, \$24,982; 2, \$20,982.

Plans Being Prepared—Bids Open Jan. 23, 2 P. M.

WAREHOUSE—SHOPS Cost, \$—
SAN FRANCISCO. Goat Island in San Francisco Bay.

Three-story reinforced concrete warehouse and three-story reinforced concrete shops.

Owner—U. S. Government.

Architect—Superintendent of Lighthouses, Customhouse, San Francisco.

Plans for this project are available from Superintendent of Lighthouses at Customhouse.

See call for bids under official proposal section in this issue.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, to furnish and deliver materials and equipment to Navy Yards and Stations, further information being available from the Navy Purchasing Officer, 100 Harris St., San Francisco.

Bids Open January 21

Sch. 2508, western yards, copper-nickel alloy, bar and shot.

Sch. 2557, Mare Island, 2,600 lbs. antimony.

Sch. 2540, eastern and western yards, approximately 1,300,000 foundry pig iron.

Sch. 2539, Mare Island, 600,000 lbs. dry white lead.

Sch. 2555, Puget Sound, 70 gro. soapstone pencils.

Sch. 2544, western yards, solder.

Sch. 2541, western yards, bar rivet steel.

Sch. 2548, western yards, 600,000 lbs. medium steel.

Sch. 2545, western yards, steel shapes.

Sch. 2547, Mare Island and Puget Sound, china and glassware, officers' and crews' mess.

Sch. 2550, Puget Sound, 1 motor driven wire forming machine.

Sch. 2558, western yards, approx. 20,000 ft. steam hose and 800 ft. fuel oil hose.

Sch. 2559, western yards, aluminum water pitchers, platters and tureens.

Sch. 2561, Puget Sound, 5,000 lbs. ingot phosphor tin.

Sch. 2568, San Francisco, 300 double deck bunks.

Sch. 2569, Mare Island, 5400 lbs. steel forgings, propeller shaft.

Sch. 2573, Puget Sound, one rod straightener, shear and gagger maker.

SAN FEERNANDO, Cal.—Pacific Telephone Equipment Co., 704 S Spring St., Los Angeles, awarded contract by Medical Officer in Charge, U. S. Veterans' Hospital, to rebuild telephone cable system, etc., at \$2,287.50. Other bids.

Butte Elec. & Mfg. Co., 356 Folsom St., San Francisco, \$2,500; alt., \$100; 180 days.

Telephone Equip. & Repair Co., 515 Market St., San Francisco, \$3,462; alt., \$150; 60 days.

Interphone Electric Co., 5510 Monte Vista St., Los Angeles, \$3,477; alt., \$6,900 cwt.; 60 days.

PEARL HARBOR, T. H.—Until Mar. 5, under Specification No. 5921, bids will be received by Bureau of Yards and Docks, Navy Department, Wash-

ington, D. C., for extension of motor testing building at the naval operating base (air station), Pearl Harbor, T. H. Work includes earthwork, concrete, steel, and iron work, tubular steel and hollow metal doors, steel windows, roofing and sheet metalwork, woodwork, hardware, glazing, painting, and electric lighting.

HALLS AND SOCIETY BUILDINGS

Plans Being Completed.
MEMORIAL BLDG. Cost, \$27,000
CORNING, Tehama Co., Cal. Solano St. and Houghton Ave.
Brick memorial building.
Owner—County of Tehama.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Bids will be taken about Jan. 15.

Bids Opened—Held Under Advice
CLUB BLDG. Cost, \$50,000
Total Cost of Imp., \$400,000
MILLBRAE, San Mateo Co., Cal.
One and one-half-story frame and stucco Spanish type club house.
Owner—Union League Golf & Country Club (Subsidiary of Union League Club).
Architect—Willis Polk Co., 277 Pine St., San Francisco.
An 18-hole golf course is now under construction.

Plans Complete.
MEMORIAL BLDG. Cost, \$60,000
ORLAND, Glenn Co., Cal.
Two-story American Legion Memorial Building.
Owner—County of Glenn.
Architect—J. C. Petersen, California State Life Bldg., Sacramento.

A meeting will be held Jan. 14 at which time bids will probably be called for. Will have stucco finish with varicolored terra cotta trimmings. Auditorium will seat 100 on main floor and 250 in the balcony.

WILLOWS, Glenn Co., Calif.—Until January 14, 11 A. M., bids will be received by W. B. Sale, county clerk, to furnish and deliver furniture, fixtures, rugs and other miscellaneous articles for the American Legion Memorial Building at Willows. Cert. check 10% payable to Chairman of Board of Supervisors required with bid. Spec. obtainable from county clerk.

Low Bidders Re-Figuring Plans.
CLUB BLDG. Cost, \$50,000
Total Cost of Imp., \$400,000
MILLBRAE, San Mateo Co., Cal.
One and one-half-story frame and stucco Spanish type club house.
Owner—Union League Golf & Country Club (Subsidiary of Union League Club).
Architect—Willis Polk Co., 277 Pine St., San Francisco.
An 18-hole golf course is now under construction.
The plans are being re-figured by the four lowest bidders.

Plans Being Prepared.
CLUBHOUSE \$13,000 Available.
SACRAMENTO, Cal. McKinley Park Clubhouse.
Owner—City of Sacramento, H. G. Denton, City Clerk.
Architect—City Engineering Department, B. C. Clark, City Engineer.

Bids Opened—Contract Awarded.
CLUB HOUSE Cost, Price, \$15,750
PLACERVILLE, El Dorado Co., Cal.
One-story National stone, brick and stucco English style club house.
Owner—Ladies Shakespearian Club.
Architect—Coffman, Sahlgren & Stafford, Forum Bldg., Sacramento.

Contractor—J. C. Morton, Placerville.
Other bidders were: Wm. Whitsett, Sacramento, \$16,000; Chas. Unger, Sacramento, \$16,838; W. L. Chatterton, Sacramento, \$17,350; John Fernandes, Sacramento, \$18,750; John Laddick, Sacramento, \$19,237; A. R. Freeman, Sacramento, \$20,210; J. E. Burnett, Sacramento, \$20,915.

GALT, Sacramento Co., Cal.—Lions Club and Galt Chamber of Commerce have started proceedings to finance the erection of a new clubhouse for the local Boy Scouts.

MANTECA, San Joaquin Co., Cal.—Hope McFall Post No. 249, American Legion, granted building permit by city council to erect Veterans' Memorial clubhouse in E Yosemite Ave. (4520) 1st report Oct. 21, 1929.

Plans Being Figured—Bids Close Feb. 4th.
RECREATION CENTER Cost \$10,000
BERKELEY, Alameda Co., Cal. Russell and Curtis Sts.
One-story frame and stucco recreation center.

Owner—City of Berkeley.
Architect—James C. Plache, Mercantile Bank Bldg., Berkeley.
Will contain auditorium, girls' and boys' showers and locker rooms, moving picture booth and stage.

HOSPITALS

EL CENTRO, Imperial Co., Cal.—Until 10 A. M., Jan. 20, bids will be received by J. G. Scott, county purchasing agent, for furnishing equipment for the county hospital, as follows:

(1) one X-ray unit with one 30 milliamper radiator tube, 1 A1521 protective lead glass shield, 110 volts, 60 cycle.

(2) one No. 6, tilt radiographic and fluoroscopic table combination "E," including buck diaphragm mounted in table with rail mounted tube and stand.

(3) one lead lined steel developing tank with two buck V-orphs 5-gallon insert tanks with necessary plumbing fittings. Specifications obtainable from above.

Plans Being Prepared.
SANITARIUM Cost, \$165,000
PHOENIX, Arizona, 40-acre Site.
Four-story 65-room stone and concrete sanitarium.
Owner—Copper State Sanitarium Co.
Architect—V. O. Wallingford and O. A. Bell, Heard Bldg., Phoenix.

Plans Being Figured—Bids Close Feb. 3, 11 A. M.
HOSPITAL Cost, \$50,000
SAN JOSE, Santa Clara Co., Cal.
County Almshouse Grounds at Milpitas.

Two-story reinforced concrete and frame hospital (unit No. 2).
Owner—County of Santa Clara (Henry A. Pfister, County Clerk).
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Commissioned To Prepare Plans.
ADDITION Cost, \$150,000
REDWOOD CITY, San Mateo Co., Cal.
County Hospital Grounds at Beresford.

Fireproof wing addition to county hospital.
Owner—County of San Mateo, Elizabeth M. Kneese, County Clerk.
Architect—Will H. Toepke, Call Bldg., San Francisco.

VALLEJO, Solano Co., Calif.—See "Government Work and Supplies," this issue. Plans being prepared for Nurses Home at Mare Island Navy Yard.

Plans Being Figured—Bids Close Jan. 20, 11 A. M.
WARD BLDG. Cost, \$—
SAN DIEGO, Cal. Vaucian Home.
Women's ward building.
Owner—County of San Diego (C. Buckley, Clerk of Board).
Architect—Quale Bros., San Diego.

Plans Being Figured By Selected List of Contractors.
ADDITION Cost, \$650,000
SAN FRANCISCO. Fell & Baker Sts.
Addition to present Class A hospital.
Owner—Southern Pacific Railroad Co., 65 Market St., San Francisco.
Architect—Alfred I. Coffey and Martin J. Rist, Phelan Bldg., S. F.

Preliminary Plans Approved—Working Drawings Started.
HOSPITAL Cost, \$100,000
CRESCENT CITY, Del Norte Co., Cal.
Ocean Shore Drive at Battery Point.
Two-story 20-bed reinforced concrete Class C hospital building, 70x150 ft. Owner—G. O. Knapp, Crescent City. Architect—Martin Sheldon, 950 Monadnock Bldg., San Francisco.
Consulting Architect—Carleton Winslow.

Contractor—Richard Hansen, Crescent City.
Plans will be completed in from 30 to 45 days at which time sub-bids and bids for equipment will be called for. The X-ray equipment contract has been awarded to the Bush Electric Corp., 909 Hyde St., San Francisco.

ALHAMBRA, Los Angeles Co., Cal.—Until 2 P. M., Jan. 20, bids will be received by county supervisors for special equipment for Alhambra Health Centre Building. Plans obtainable from Miss Mame B. Beatty, 303 Hall of Records.

Plans Being Figured.
ADDITION Cost, \$250,000
PHOENIX, Arizona.
Three-story wing addition to hospital (rein. conc. construction).
Owner—Good Samaritan Hospital.
Architect—Lescher & Mahoney, Phoenix.

Plans To Be Prepared.
SANITARIUM ETC., Cost, \$500,000
BANNING, Riverside Co., Cal.
Warren's Well.
Hotel and sanitarium project (200 room hotel, 50 cottages, sanitarium, dairy farm, landing field, etc.)

Owner—Alpine Sanitarium & Hotel Corp. (R. M. Anderson, Manager), 203 Chamber of Commerce Bldg., Los Angeles.
Architect—Myron Hunt and H. C. Chambers, 1107 California Reserve Bldg., Los Angeles.

Commissioned To Prepare Plans.
REMODEL Cost, \$35,000
OAKLAND, Alameda Co., Cal.
Highland Hospital Grounds.
Remodel entrance to hospital.
Owner—County of Alameda.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Alterations are to provide a new entrance for receiving and discharging patients. Under the new arrangement the first floor of the "A" building will be used as a receiving ward, and a corridor will connect the present receiving ward with the new one.

SACRAMENTO, Cal.—County supervisors are considering proposal to sell site on which it is proposed to erect a new county home for indigents to replace the present structures at the county hospital grounds. Bids for the sites ranged from \$14,175 to \$92,250. Harry Hall is county clerk.

Sub-Contracts Awarded.
HOSPITAL. Cost, \$75,000
MARTINEZ, Contra Costa Co., Cal.
 One-story and basement Class C hospital building.
 Owner—Martinez Hospital Assn. (Dr. Edwin Merrithew, Director).
 Architect—A. A. Cantin, 544 Market St., San Francisco.
 Contractor—Wallace Snelgrove, 234 13th St., Richmond.
Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.
Plumbing—Morgan Hardware Co., Martinez.
Electrical Work—C. G. Electric Co., Richmond.
 Heating—T. J. Kennedy, Martinez.
Tile Work—Rigney Tile Co., 3012 Harrean St., Oakland.
 Plastering—A. H. Winchcole, Richmond.
Cement—Covell Lime & Cement Co., 2 Market St., San Francisco.
Rock and Sand—Kaiser Paving Co., Latham Square Bldg., Oakland.
Lumber—San Pablo Lumber Co., Richmond.
Mill Work—Redwood Mfg. Co., Pittsburg.
Reinforcing Steel—Soule Steel Co., Rialto Bldg., San Francisco.
Steel Sash—Fenestra Co., Hunter-Dullin Bldg., San Francisco.
Brick (Laying)—James Walker, Richmond.
Brick (Furnish)—Port Costa Brick Co., 6th and Berry St., San Francisco.
Cast Cement—Fred Jerowitz, Oakland
Steam Shovel Work—Higgins & Marshall, Richmond.
 Sub-bids are wanted on linoleum and roofing.

HOTELS

Contract Awarded.
HOTEL Cost, \$175,000
LOS ANGELES, Cal. No. 551 S. Oxford Street.
 Four-story 160-room brick hotel (120x150 feet).
 Owner—James F. Fay.
 Architect—None.
 Contractor—Stoltz, Pickering & Evan, 1535 Wilshire Blvd., Beverly Hills.

Preliminary Plans Being Prepared.
HOTEL Cost, \$100,000
SAN RAFAEL, Marin Co., Cal. Laurel Place and Nye St.
 One- and 2-story 200-room brick hotel building.
 Owner and Builder—C. R. Danziger, 1860 Jackson St., San Francisco.
 Architect—F. H. Slocombe, 85 Cambridge Way, Piedmont.

Preparing Working Drawings.
HOTEL Cost, \$500,000
EUREKA, Humboldt Co., Cal. NW 4th and F Sts.
 Eight- or nine-story 200-room modern hotel building.
 Owner—Pickwick Co. (Ed. Thompson, 5th and Mission St., San Francisco, in charge).
 Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.

Plans will be ready for bids March 1st.
 As previously reported, soundings are being made by Mercer-Fraser Co., Eureka.

Plans Being Figured.
HOTEL Cost, \$500,000
SEATTLE, Wash. SW Seventh Ave. and Pine St.
 Sixteen-story concrete and steel hotel and stores, 200 rooms with baths.
 Owner—First Realty Corp. (M. Ross Downs, President).
 Architect—John Graham, Dexter Horton Bldg., Seattle, Wash.

Plans Completed—Bids For Excavation To Be Asked Shortly.
HOTEL, ETC. Cost, \$—
LA GRANDE, Ore. Washington Ave. and Fir Street.
 Seven-story and basement reinforced concrete and heavy mill construction hotel-apartments and stores, 120 by 110 feet.
 Owner—Sacajawea Inn (Jullius Roesch, Owner), La Grande, Oregon.
 Architect—Withheld.

ICE AND COLD STORAGE PLANTS

LOMPOC, Santa Barbara Co., Cal.—Puritan Ice Cream Co., Guadalupe Calif., has started erection of an \$85,000 ice plant here.

PEARL HARBOR, T. H.—See "Government Work and Supplies," this issue. Bids wanted by Bureau of Yards and Docks, Navy Department, for repurposing Base, Pearl Harbor.

POWER PLANTS

Plans Being Prepared.
SUBSTATION Cost, \$—
LOS ANGELES, Los Angeles Co., Cal. 78th and Figueroa Sts.
 Two-story Class A reinforced concrete sub-station (50x100 feet).
 Owner—Los Angeles Gas & Electric Corporation.
 Architect—Eng. Dept. of Owner.

NEWARK, Alameda Co., Cal.—The Pacific Gas & Electric Co., San Francisco, have started construction of an addition to the sub-station at Newark. Work comprises construction of main power line of two circuits to carry 220,000 volts from Mokelumne River. Capacity will be 200,000 kilowatts. Spur track is being put in by United Commercial Co. Machinery has been purchased from Westinghouse Co. An eight-inch pipeline is to be laid from the main gas line in Alvarado to the Kraftile plants. All work is being done by the the Pacific Gas & Electric Co.

LANE COUNTY, Ore.—Laurence Macomber, 210 W-Seventh St. Los Angeles, seeks from Federal Power Commission a preliminary permit to construct a power project on Waldo Lake, Black Creek and Salmon Creek, Lane County, Ore., involving public lands in the Cascade National Forest. The proposed development includes a dam across the outlet of Waldo Lake creating a reservoir of about 140,000 acre feet, a tunnel conduit and penstock conducting the water from Waldo Lake reservoir to a power house on Black Creek. A conduit, penstock and tunnel conducting the waters of Black and Salmon Creeks to a second power house on north fork of the Willamette River also is proposed. The installed capacity of the development is estimated at approximately 56,000 horsepower and it is proposed to sell the power to municipalities in the Willamette Valley and to the city of Portland.

SEATTLE, Wash.—Bids will be asked at once by the Board of Public Works for generating apparatus for two proposed units below Diablo Dam. Each unit to cost \$700,000, will have a generating capacity of 60,000-k.w. An additional \$600,000 is provided by the Board for a power house, surge tanks and other work in connection with the Diablo project.

HOLTVILLE, Imperial Co., Cal.—The Southern Sierras Power Co. has announced that about \$138,000 will be

expended in the Imperial Valley during 1930. According to F. E. Lucking, local superintendent, among the important items are: New 5000 kva. condenser for the El Centro terminal to replace the present 2000 kva. to cost \$41,500; the rebuilding of the Brawley-El Centro 17 kva. line at \$50,000; and general sub-station improvements of \$13,000; line and other construction at Calpatria, Brawley, Holtville, Calexico and Niland.

PHOENIX, Ariz.—The Central Arizona Light & Power Co. has announced that \$2,500,000 will be expended for construction during 1930. A total of \$1,750,000 will be devoted to the completion of the new steam plant begun in 1929. About \$750,000 will be expended on the usual gas and power lines and equipment.

BURLINGAME, San Mateo Co., Cal.—Mayor C. A. Buck has appointed committee to investigate proposal of city to establish a municipal gas and electric lighting system similar to that in operation in Palo Alto.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

SANTA MARIA, Santa Barbara Co., Cal.—Santa Barbara County Supervisors propose to purchase 4-acre site in Santa Maria on which to erect a new county jail.

RENO, Nevada.—Until Feb. 10, 10 A. M., bids will be received by H. W. Miles, secretary, Washoe Co. Board of Library Trustees, for 16 radiator cabinets for county library; to be Acme Radiator Cabinets as manufactured by W. H. Johnson and Son Co., or equal. To be with copper humidifier pan, constructed of pressed steel with ornamental sides and stop, back panel must go to floor, front of cabinets to be metal grille, all enameled and finished. Bids will be considered on other manufacturers' product of equal grade.

SAN ANSELMO, Marin Co., Cal.—W. E. Dwyer, 110 Saunders St., San Anselmo, at \$3763.25 submitted low bid to city trustees to enlarge and remodel fire station. Other bids, all taken under advisement, were: Robert Watson, \$4036; D. B. Ferrero, \$4141.50; Kane, \$4372; Lind, \$4679; Manuel Dos Rios, Jr., \$5363.

Commissioned To Prepare Plans.
FIREHOUSE \$12,500 Available
VALLEJO, Solano Co., Cal. Alameda and Maryland Sts.
 One-story firehouse (Spanish type).
 Owner—City of Vallejo (A. E. Edgumbe, City Clerk).
 Architect—Wm. A. Jones, 403 Alameda St., Vallejo.

LAKEPORT, Lake Co., Cal.—Lake County Supervisors awarded furniture contract to H. S. Crocker Co., 555 Market St., San Francisco, at \$729.34 and the linoleum contract to Climerage Linoleum House, Oakland, at \$2815 for furnishing and installing furniture and linoleum in new court house annex building. A Carlisle, San Francisco, submitted a bid for furnishing at \$7355.04. Six bids were submitted on linoleum.

Bids To Be Called Shortly.
COURT HOUSE, ETC. Cost, \$200,000
RIVERSIDE, Riverside Co., Cal.
 Reinforced concrete and steel county court house annex, county jail, etc.
 Owner—County of Riverside.
 Architect—G. Stanley Wilson, Riverside.

Plans To Be Prepared.
CITY HALL, ETC. Cost, \$—
SAN JOSE, Santa Clara Co., Cal. City
Hall Park.
City Hall and Civic Auditorium.
Owner—City of San Jose.
Architect—Not Selected.

Completing Revised Specifications
AUDITORIUM Cost, \$1,400,000
LONG BEACH, Los Angeles Co., Cal.
Class A municipal auditorium (struc-
tural steel, reinf. concrete and
brick construction)
Owner—City of Long Beach.
Architect—J. Harold MacDowell, New
York, and W. Horace Austin, Long
Beach.

Bids will be advertised shortly for a
general contract with separate bids
for plumbing, electric heating and ven-
tilating.

Preliminary Plans Being Prepared.
LIBRARY Cost, \$65,000
BURLINGAME, San Mateo Co., Cal.
One-story fireproof library.
Owner—City of Burlingame.
Architect—E. L. Norberg, 580 Market
St., San Francisco.

NOTE—Bonds are to be voted in
April of next year to finance this
project.

Plans To Be Prepared.
COOLING SYSTEM Cost, \$18,000
BAKERSFIELD, Kern Co., Cal.
Cooling system for county courthouse.
Owner—County of Kern.
Architect—Not Yet Selected.
It is proposed to have the system in
operation before May 1, 1930.

Plans To Be Prepared.
CITY JAIL Cost, \$—
LOS ANGELES, Los Angeles Co., Cal.
Adjoining Lincoln Heights Jail.
Four-story reinforced concrete city
jail.
Owner—City of Los Angeles.
Architect—City Com. Dept., C. O.
Brittain, Supt., City Hall, L. A.

Plans Being Figured—Bids Close Feb.
10 10 A. M.
LIBRARY BLDG. Cost, \$—
FLAGSTAFF, Ariz. Arizona State
Teachers' College.
Brick and stone administration and
library building.
Owner—State of Arizona.
Architect—Fitzhugh & Byron, Phoenix,
Arizona.

Bids To Be Taken Jan. 9—To Be
Opened Feb. 4.
LIBRARY Cost, \$275,000
BERKELEY, Alameda Co., Cal. Shat-
tuck Ave. and Kittredge St.
Reinforced concrete and steel Class A
public library (50 ft. high).
Owner—City of Berkeley (E. M. Hann,
City Clerk).
Architect—James W. Plachek, Mer-
cantile Bank Bldg., Berkeley.
Heating Engineers—Leland & Haley,
58 Sutter St., San Francisco.

BLUE LAKE, Lake Co., Cal.—City
trustees have ordered needed improve-
ments and repairs at city jail.

RESIDENCES

Plans Being Figured—Bids Close Feb.
4, 2 P. M.
RESIDENCE Cost, \$—
NAPA, Napa Co., Cal. State Hospital
grounds.
One-story and basement frame and
stucco assistant physician's resi-
dence.
Owner—State of California.
Architect—Geo. B. McDougall, state
architect, Public Wks Bldg., Sacra-
mento.
Will contain seven rooms; stucco ex-

terior and shingle roof. Cert. check
10% payable to State Engineer, De-
partment of Public Works, required
with bid. Plans obtainable from State
Division of Architecture on deposit of
\$25, returnable.
See call for bids under official pro-
posals section in this issue.

Plans Being Figured—Bids Close Feb.
4, 2 P. M.
RESIDENCE Cost, \$—
ELDRIDGE, Sonoma Co., Cal. State
hospital grounds.
One-story and basement frame and
stucco assistant physician's resi-
dence.
Owner—State of California.
Architect—Geo. B. McDougall, state
architect, Public Wks Bldg., Sacra-
mento.

Will contain seven rooms; stucco ex-
terior and shingle roof. Cert. check
10% payable to State Engineer, De-
partment of Public Works, required
with bid. Plans obtainable from State
Division of Architecture on deposit of
\$25, returnable.

See call for bids under official pro-
posals section in this issue.

Plans Being Figured.
RESIDENCE Cost, \$50,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and
stucco residence.
Owner—Eugene Kaufman.
Architect—Willis Polk Co., 277 Pine
St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. The
Arlington.
Two-story 8-room frame and stucco
residence.

Owner—William Hull.
Architect—F. H. Slocombe, 85 Cam-
bridge Way, Piedmont.

Plans Being Prepared.
RESIDENCE Cost, \$50,000
RANCHO SANTA FE, San Diego Co.
Large residence.
Owner—S. H. Bingham (President Na-
tional Cressoting Co.), Highland
Park, Ill.
Architect—Lillian J. Rice.

STOCKTON, San Joaquin Co., Cal.
—H. E. Vickroy, 1122 N-Commerce
St., Stockton, at \$1569 submitted low
bid to the county supervisors to erect
housing quarters for operators at the
McDonald Island Ferry. R. Rebs, 527
S. Wilson Way, Stockton, next low
at \$1600. Bids taken under advise-
ment, due to the fact that Vickroy,
the low bidder, could not produce a
contractor's license as issued by the
state.

Plans Being Prepared.
RESIDENCE Cost, \$25,000
VISALIA, Tulare Co., Cal.
Modern residence.
Owner—J. S. Caldwell.
Architect—Swartz & Ryland, Brix
Bldg., Fresno.

January 7, 1930
Plans Being Prepared.
RESIDENCE Cost, \$15,000
VISALIA, Tulare Co., Cal.
Modern residence.
Owner—Dr. Zumwalt.
Architect—Swartz & Ryland, Brix
Bldg., Fresno.

To Be Done By Day's Work.
RESIDENCE Cost, \$12,000
PALO ALTO, Santa Clara Co., Cal.
No. 590 E-Crescent Drive.
Two-story frame and stucco residence
Owner—Oswald & Rucker, 342 Haw-
thorne St., Palo Alto.

Contract Awarded.
RESIDENCE Cont. Price, \$14,485
WOODSIDE, San Mateo Co., Cal.
One-story and basement seven-room
and garage hollow tile residence.
Owner—W. H. Hendricks, Woodside.
Architect—Binder & Curtis, 35 W-San
Carlos St., San Jose.
Architect—Albert L. Faimtag, Glen-
wood Ave., Woodside.

Plans Being Figured.
RESIDENCE Cost, \$12,000
SARATOGA, Santa Clara Co., Cal.
One-story and basement six-room and
garage hollow tile residence.
Owner—Harry Bogart, 609 Sutter St.,
San Francisco.
Architect—Binder & Curtis, 35 W-San
Carlos St., San Jose.

Excavation Started.
RESIDENCE Cost, \$150,000
SANTA BARBARA, Santa Barbara
Co., Cal. Hope Ranch Park (22
acre ranch).
One-story concrete and frame resi-
dence.
Owner—Ben R. Meyer, Santa Barbara.
Architect—Gordon B. Kaufman, 610
Union Bank Bldg., Los Angeles.

Preliminary Plans Being Prepared.
COTTAGES, ETC. Cost, \$—
RED BLUFF, Tehama Co., Cal. Las-
sen Park.
Group of employees' cottages, check-
ing station, etc.
Owner—U. S. Government.
Architect—Thomas C. Vint, 525 Mar-
ket St., San Francisco.
Contractor—Care Dept. of Interior.

RESIDENCE Cost, \$9500
SAN FRANCISCO. Westgate Drive S
Darlien Way.
One-story and basement frame and
stucco residence (6 rooms, solar-
ium and solar bath).
Owner and builder—G. W. Morris, SW
Kenwood and Pinehurst.
Plans by D. E. Jaekle, Call Bldg.

Plans Being Figured.
RESIDENCE Cost, \$20,000
SARATOGA, Santa Clara Co., Cal.
Two-story and basement nine-room
frame and stucco Spanish type
residence.
Owner—Frank Michael.
Architect—Herman Krausa, 243 N-
Ninth St., San Jose.

Contract Awarded.
RESIDENCE Cost, \$35,000
SAN RAFAEL, Marin Co., Cal.
Two-story frame and stucco residence
Owner—David H. Waiker.
Architect—Eldridge Spencer, Shrave
Bldg., San Francisco.
Contractor—J. Dawson, 1507 Lincoln
St., Berkeley.

Bids Wanted—To Close Jan. 17.
RESIDENCE Cost, \$—
LOS ANGELES, Cal. U. C. L. A.
Campus.
Two-story reinforced concrete and
brick residence.
Owner—Regents University of Calif.
Architect—Reginald Johnson, Archi-
tects' Bldg., Los Angeles.
\$100 deposit required for plans, ob-
tainable from Comptroller's office.

Sub-Contracts Awarded.
RESIDENCE Cost, \$23,845
PALO ALTO, Santa Clara Co., Cal.
Cowper St. and Santa Rita Ave.
Two-story frame and stucco residence.
Owner—Prof. Horatio W. Stebbins, 327
Addison St., Palo Alto.
Architect—Chas. K. Sumner, 760 Uni-
versity Ave., Palo Alto.

Contractor—Osborne & Knight, Mt. View.
 Painting—Otto Freeborn, Mt. View.
 Heating—Geo. Mead, Palo Alto.
 Sheet Metal—Palo Alto Sheet Metal Co., Palo Alto.
 Plumbing—Whitson Plumbing Co., Palo Alto.
 Plastering—W. A. Gould, Mt. View.
 Brick Work—Periola & Bettini, Palo Alto.
 Iron Work—San Jose Iron Works, San Jose.

SCHOOLS

Completing Plans.
 SCHOOL Cost, \$180,000
 EAST WHITTIER, Los Angeles Co.
 One-story and basement reinforced concrete school.
 Owner—East Whittier School District.
 Architect—T. C. Kistner & Co., Architects' Bldg., Los Angeles.

Bids Close Jan. 27, 3 P. M.
 SCHOOL Cost, \$100,000
 CLEARWATER, Los Angeles Co., Cal.
 Group of 3 Junior High School buildings (brick and concrete construction).
 Owner—Compton Union High School District.
 Architect—Frank M. Goodwin, Stockwell Bldg., Compton.

BERKELEY, Alameda Co., Cal.—C. F. Weber & Co., 601 Mission St., San Francisco, at \$680 awarded contract by Board of Education to furnish 100 movable desks for high school.

SACRAMENTO, Cal.—Until Jan. 27, 5 P. M., bids will be received by Chas. C. Hughes, secretary, Board of Education, to construct approximately 4,000 sq. ft. concrete sidewalk, fronting school properties. Cert. check 10% payable to Board of Education req. with bid. Specifications obtainable from secretary.

Plans Being Figured—Bids Close Jan. 27, 3 P. M.
 SCHOOL Cost, \$100,000
 WILLOWBROOK, Los Angeles Co.
 Group of brick and concrete Junior High School buildings.
 Owner—Compton Union High School District.
 Architect—Frank M. Goodwin, Stockwell Bldg., Compton.

SAN DIEGO, Cal.—Following contracts awarded by State Department of Public Works, Division of Architecture, to erect training school and power house at State Teachers' College at San Diego:

General Work
 H. Mayson, Long Beach, \$137,645.
 Heating, Ventilating and Plumbing
 Thomas Haverly Co., Los Angeles, \$20,433.

Electrical Work
 Moore Electric Co., Los Angeles, \$6,245.

Preparing Working Drawings.
 HIGH SCHOOL \$240,000 voted to finance
 MARTINEZ, Contra Costa Co., Cal.
 Two-story fireproof high school bldg.
 Owner—Alhambra Union High School District.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.
 Bids will be taken in from 4 to 5 weeks.

Plans Being Figured.
 LIBRARY Cost, \$160,000
 SAN RAFAEL, Marin Co., Cal.
 Three-story reinforced concrete academic and library building (12 classrooms and library).

Owner—Dominican College of San Rafael, San Rafael.
 Architect—Arnold Constable, 580 Market St., San Francisco.
 Will be of Italian Renaissance style.
 Barrett & Hill, 918 Harrison St., San Francisco, are the only contractors figuring the plans.

Bids Opened.
 SCHOOL Cont. price, \$75,065
 RED BLUFF, Tehama Co., Cal.
 One-story 17-room brick grammar school (pressed brick exterior).
 Owner—Red Bluff Grammar School District.
 Architect—W. H. Weeks, Hunter-Dulin Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 Following is a complete list of the bids.

General Work
 Alt. No. 1, add for additional room.
 J. J. Groden, \$72,280; (1) \$2,785.
 W. J. Ochs, Fresno, \$77,200; (1) \$3,053.

H. A. Finnigan, Sacramento, \$78,204; (1) \$3,224.
 The Minton Co., Mt. View, \$78,230; (1) \$3,270.
 E. H. Riley, Stockton, \$77,970; (1) \$3,988.

R. B. McKenzie, Red Bluff, \$78,800; (1) \$3,053.
 Carl Nelson, Stockton, \$80,357; (1) \$3,500.

E. T. Lesure, Oakland, \$80,796; (1) \$3,768.
 J. M. Evans, Chico, \$80,997; (1) \$2,725.

P. F. Bender, Sacramento, \$81,175; (1) \$2,351.
 Campbell Const. Co., Sacramento, \$1,808; (1) \$3,638.

H. W. Robertson, Sacramento, \$81,585; (1) \$3,723.
 Mathews Const. Co., Sacramento, \$81,985; (1) \$2,700.

W. Fernsted, \$83,800; (1) \$2,800.
 J. P. Brennan, Redding, \$84,000; (1) \$3,500.

H. Porter, Red Bluff, \$86,273; (1) \$4,000.
 J. W. Cobby & Son, San Francisco, \$88,434; (1) \$3,462.

MacDonald & Kahn, San Francisco, \$97,000; (1) \$4,500.

Heating
 Alt. No. 1, ded. for omitting foot-warmer in quarters.
 Woodland Plumbing & Supply Co., Woodland, \$8,721; (1) \$725.

Allen & Allen, Red Bluff, \$8,732; (1) \$889.
 Hatley & Hatley, Sacramento, \$8,922; (1) \$1,170.

Latourrette-Fical Co., San Francisco \$9,069; (1) \$350.
 Scott Co., Oakland, \$9,094; (1) \$984.
 Stultz & Slakey, Chico, \$9,444; (1) \$568.
 H. J. Kennedy, Martinez, \$9,494; (1) \$1,450.
 Joe Allen, Red Bluff, \$9,650; (1) \$.....
 Nottingham Heating & Ventilating Co., Oakland, \$9,666; (1) \$1,272.
 H. Shalz, Chico, \$10,400; (1) \$825.

Contracts Awarded.
 SCHOOL Cont. Price, \$75,055
 RED BLUFF, Tehama Co., Cal.
 One-story 17-room brick grammar school (pressed brick exterior).
 Owner—Red Bluff Grammar School District.
 Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Francisco.
 Contractor—J. J. Groden, 1028 S. Antonio St., Alameda.
 Heating—Allen & Allen, Red Bluff, at \$7863.15.

MONTEREY, Monterey Co., Cal.—Architects Swartz & Ryland, Spaulding Bldg., Monterey, desire to receive catalogs and other data on interphone and P. B. X. phone systems, also on school time clock systems. Data should be addressed to them at Monterey.

Preliminary Plans Being Prepared.
 SCHOOL \$80,000 (bonds voted to finance).

SANTA CRUZ, Santa Cruz Co., Cal. (Gault School).

One-story fireproof school.
 Owner—Santa Cruz School District.
 Architect—A. I. Coffey, Phelan Bldg., San Francisco.

Commissioned To Prepare Plans.
 SCHOOL Cost, \$200,000
 PITTSBURG, Contra Costa Co., Cal.

Fireproof school building.
 Owner—Pittsburg School District.
 Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

LAS VEGAS, Nevada—Las Vegas Union High School District rejects bids received Dec. 16 to fur, and lay linoleum, rubber tile and Tile-Tex for academic building of new high school. Trustees will investigate other type of flooring and will ask new bids. Maude Frazier is city superintendent of schools.

ORNAMENTAL WIRE AND IRON WORK

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Date of Opening Bids Postponed Until Jan. 14, 7:30 P. M.
SCHOOL Cost, \$40,000
ONE-CHACHAU, Gern Co., Cal.
 One-story concrete high school.
 Owner—Tehachapi Union High School District.

Architect—W. Horace Austin, Pacific Southwest Bldg., Long Beach.
 Will contain auditorium and gymnasium combined and six classrooms, concrete construction, plaster exterior, tile roofing, maple floors, gas heating, etc.

Plans Being Completed.
ADDITION Cost, \$160,000
BREMERTON, Wash.
 Frame and masonry school addition.
 Owner—Union High School District No. 1.

Architect—Wm. Mallis, Lyon Bldg., Seattle, Wash.
 Auditorium will seat 1200. Gymnasium, domestic science and classroom, cafeteria, locker, shower and restrooms are included.

FRESNO, Fresno Co., Cal.—Board of Education has authorized the purchase of \$1400 worth of equipment for the physics laboratory at the Roosevelt High School in addition to five athletic mats for the Fresno High School Gymnasium.

Preparing Working Drawings.
SCHOOL BLDGS. Cost, \$323,000
LONG BEACH, Los Angeles Co., Cal.
 Market and Louis Aves.
 Group of brick school buildings (accommodate 600 pupils).
 Owner—Long Beach Board of Education.
 Architect—Wright & Gentry, 537 Jerkins Bldg., Long Beach.

Preparing Working Drawings.
GYMNASIUM Cost, \$179,000
LONG BEACH, Los Angeles Co., Cal.
 Woodrow Wilson High School Site.
 Two-story brick and plaster gymnasium and 2-story brick classroom building (16 rooms).
 Owner—Long Beach Board of Education.
 Architect—W. Horace Austin, Pacific Southwest Bldg., Long Beach.

GILROY, Santa Clara Co., Cal.—Gilroy High School District will purchase additional equipment for physical education department. Lists are being prepared by the secretary of the district.

Contract Awarded.
LABORATORY Cost, \$312,500
PULLMAN, Wash. University Campus
 Five-story and basement L-shape laboratory.

Owner—University of Washington.
 Architect—John Graham, Dexter-Horton Bldg., Seattle, Wash.
 Contractor—Henriksen-Alstrom Construction Co., Inc., Terminal Sales Bldg., Seattle, Wash.

Plumbing, heating and ventilating contract awarded to Wenzler & Ward, 2424 4th Ave., Seattle, at \$79,891.

Electric work to J. J. Agutter & Co., 316 Seneca St., Seattle, at \$16,189.

Structure will be "L" shaped, five stories in height, of fireproof construction, faced with brick and trimmed with cast stone, conforming in architecture to Physics Hall and Aeronautics Hall. The main portion of the structure will be 229x65 feet, while the "L" will be 55x50 feet, less in height.

OAKLAND, Cal.—Fremont High School destroyed by fire January 1 with a loss of \$800,000. Steps will be taken at once to replace the structure.

SAN FRANCISCO.—Following bids received by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento, for grading playground at State Teachers' College, Buchanan and Haight Sts.:

Sibley Grading & Teaming Co., 165 Landers St., S. F. \$ 7,490
 Piombo Bros. & Co., S. F. 8,950
 North Beach Auto Hauling Co., San Francisco 10,134
 H. Rosenberg, S. F. 10,450
 Meyer Rosenberg, S. F. 13,470
 Bids taken under advisement.

Sub-Contracts Awarded.
SCHOOL Cost, \$—
CHICO, Butte Co., Cal.
 One-story reinforced concrete (Oakdale) School (terra cotta; tile roofing).

Owner—Chico School District (Chas. H. Camper, Secretary).
 Architect—Cole & Brouhard, First National Bank Bldg., Chico.
 Contractor—David Nordstrom, 354 Hobart St., Oakland, general contract at \$49,416 with maple floors.

Rough and Form Lumber, Glass, Etc.—Diamond Match Co., Chico.

Painting—Chico Paint Co., Chico.

Electric Wiring—Bird Electric Co., 309 Main St., Chico.

Sheet Metal—Nichols Hardware Co., Chico.

Steel Sash—Truscon Steel Co., Call Bldg., San Francisco.

Terra Cotta—Gladding, McBean Co., 660 Market St., San Francisco.

Blackboard—C. F. Weber Co., 601 Mission St., San Francisco.

Roofing—R. P. Eckhardt, 1371 34th St., Oakland.

Plastering—Brooks, Chico.

Plumbing—Stultz & Slakey, 725 Main St., Chico.

Tile Work—Chico Tile Co., Chico.

Ornamental Iron—McDonald & McPhee, Oroville.

Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.

Steel Partitions—Dwan Co., 534 Sixth St., San Francisco.

Bids Opened.
SCHOOL Cost, \$100,000
RED BLUFF, Tehama Co., Cal.

One-story 17-room brick grammar school (pressed brick exterior).

Owner—Red Bluff Grammar School District.

Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Complete list of bids will be obtainable from this office today.

SAN FRANCISCO—Sibley Grading & Teaming Co., 165 Landers St., at \$7490 awarded contract by State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento, for grading playground at State Teachers' College, Buchanan and Haight Sts.

ANTIOCH, Contra Costa Co., Cal.—With a straw ballot showing a vote of 334 to 126 in favor of construction of new high school it was held probable today that Antioch school board of trustees will call election soon to vote on proposal for issuance of bonds, probably in amount of \$130,000.

Plans Being Figured—Bids To Be Opened January 14, 8 P. M.

HEATING SYSTEM \$—
SAN RAFAEL, Marin Co., Cal.

Steam heating system for Vocational Training Building at High School.

Owner—San Rafael School District, Oliver R. Hartzell, Secretary.

Architect—N. W. Sexton, 1606 de Young Bldg., San Francisco.

Certified check 10% payable to Board of Education required with bid. Plans obtainable from architect or secretary on deposit of \$10, returnable.

Refrigeration Contract Awarded.
DORMITORY Cost, \$1,750,000
BERKELEY, Alameda Co., Cal. Piedmont Ave. and Bancroft Way.

Part 3, 4, 5 and 6-story Class B international dormitory (accommodations for 600 students).

Owner—University of California (Gift of John D. Rockefeller Jr.).

Architect—George W. Kelham, 315 Montgomery St., San Francisco.

Engineer—H. J. Brunner, Sharon Bldg., San Francisco.

Contractor—P. J. Walker Co., Sharon Bldg., San Francisco.

Refrigeration—Cyclops Iron Wks., 837 Folsom St., S. F., at \$16,915.

As previously reported, structural steel awarded to Pacific Coast Engineering Co., Foot of 14th St., Oakland; heating and ventilating to Latourrette-Fical Co., 699 4th St., Oakland; electrical work to NePage-McKenny Co., 128 10th St., Oakland; excavation to Ariss Knapp Co., 951 41st St., Oakland.

BANKS, STORES & OFFICES

Contract Awarded.
OFFICE BLDG. Cost, \$17,000
SAN JOSE, Santa Clara Co., Cal. N-First St. near St. John St.

Class C office building.

Owner—Calif. Pacific Title & Trust Co., 98 N-First St., San Jose.

Architect—None.

Contractor—H. A. Bridges, Pine and Lincoln Sts., San Jose.

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Bids Under Advisement.

STORE Cost, \$—
KING CITY, Monterey Co., Cal. Lynn
and Second Sts.

One-story 50x100-foot stucco exterior
store and showrooms.
Owner—H. B. Burns (to be leased to
Cornell Tractor Co.)

Architect—Not Given.

Nine bids received by the owners
have been taken under advisement. A
contract will be awarded shortly.

Contract Awarded.

TELEPHONE BLDG. Cost, \$100,000
ANAHEIM, Orange Co., Cal. Lemon
St., bet. Chartes and Cypress.

Two-story reinforced concrete tele-
phone building.
Owner—Pacific Telephone & Telegraph
Co., 140 New Montgomery St.,
San Francisco.

Architect—Eng. dept. of Owner.

Contractor—Wm. Rohrbacher, 2414
North Park Blvd., Santa Ana.

Contract Awarded.

STORES Cost, \$25,000
WATSONVILLE, Santa Cruz Co., Cal.
One-story reinforced concrete store
building (2 stores).

Owner—Rosetier Bros., Watsonville.
Architect—H. A. Minton, Bank of Italy
Bldg., San Francisco.

Contractor—T. H. Rosewall, Watson-
ville.

Plans Being Prepared.

STORES Cost, \$25,000
SAN FRANCISCO. SW Post and Fill-
more Sts.

One-story reinforced concrete (7) store
building.

Owner—Dunn-Williams Realty Corp.,
156 Montgomery St.
Architect—S. Heiman, 605 Market St.
Bids will be taken in two weeks.

FRESNO, Fresno Co., Cal.—Gensler-
Lee Jewelry Co., 330 Market St., San
Francisco, is negotiating for lease of
premises at 920 Fulton St., and will
remodel the quarters and install fix-
tures for a modern jewelry store.

SACRAMENTO, Cal.—Louis R. Lurie
Co., 315 Montgomery St., San Fran-
cisco, is negotiating for the purchase
of the Capitol Hotel property at the
SW corner of 7th and K Sts., now
owned by the F. Ruhstaller Estate Co.
of Sacramento. The Capitol Hotel was
recently destroyed by fire. Two new
fireproof structures will be erected on
the site when the deal is closed. One
of these structures will be leased to
J. C. Penry and Co., chain department
store operators. Both buildings will
be two-story with foundations and
walls designed to carry additional stor-
ies.

Plans Being Figured.

ACCESSORY BLDG. Cost, \$100,000
OAKLAND, Alameda Co., Calif. Near
Old St. Mary's College, Thirtieth
St. and Broadway.

One-story, basement and mezzanine
floor auto accessory building and
service station (cover area of 18,-
000 sq. ft.)

Owner—Firestone Tire & Rubber Co.
Architect—Chas. McCall, 1404 Frank-
lin St., Oakland.

Will be of steel frame and rein-
forced concrete construction.

Sub-Figures Being Taken.

MARKET Cost, \$30,000
SAN JOSE, Santa Clara Co., Cal. 16th
St. and Santa Clara.

One-story frame and brick market
building.

Owner and Builder—John Lannin, 1394
Sierra St., San Jose.

Architect—Charles McKenzie, Twohy
Bldg., San Jose.

Plans Being Prepared.

ALTERATIONS Cost, \$—
SAN FRANCISCO. NW Polk and
California Sts.

Extensive alterations to present build-
ing for store and fountain.

Owner—Owl Drug Co.
Plans by Edwin Du Val, Dalziel Bldg.,
Oakland.

Contractor—Edwin Du Val, Dalziel
Bldg., Oakland.

Contracts Awarded.

BANK BLDG. Cost, \$25,000
SAN FRANCISCO. SE Mission St. 385
NE Virginia Ave.

One-story and basement Class B bank.
Owner—American Trust Co., 464 Cal-
ifornia St., San Francisco.

Plans by Engineering Dept. of Owner
Contractor—A. H. Herrmann, 464
California St., San Francisco.

Marble Work—J. E. Back, 1533 San
Bruno Ave., San Francisco, at
\$5750.

Glass & Glazing—Habenicht & How-
lett, 529 Clay St., San Francisco,
at \$561.

Cabinet Work—Wm. Bateman, 1913
Bryant St., San Francisco, at \$3900

Terra Cotta—N. Clark & Son, 116 Na-
toma St., San Francisco, at \$1326.

Plumbing and Gas Fitting—Alexander
Coleman, 746 Ellis St., San Fran-
cisco, at \$639.

Lathing and Plastering—W. G. & A.
Gilmour, 666 Mission St., San
Francisco, at \$2275.

Electric Wiring—J. M. and D. H. Car-
lson, 1965 San Jose Ave., San
Francisco, at \$325.

Miscellaneous and Ornamental Iron—
Monarch Iron Works, 262 Seventh
St., San Francisco, at \$2330.

Sheet Metal Work—Morrison & Co.,
74 Duboce Ave., S. F., at \$284.

Painting—Edwin Anderson, 762 Clem-
entina St., S. F., at \$329.

Masonry Granite, Etc.—Reed & Reed,
Hearst Bldg., S. F., at \$1193.

Excavating—Mission Concrete Co., 270
Turk St., S. F., at \$6930.

Heating—J. H. Pinkerton, 927 Howard
St., San Francisco, at \$1796.

Carpenter Work—Thomas M. Jones,
643 29th Ave., S. F., at \$1419.

Plans To Be Prepared.

STORES & OFFICES Cost, \$20,000
KING CITY, Monterey Co., Cal. Van-
derhurst St. and Broadway.

One-story frame and stucco stores and
offices, 50x150 feet.

Owner—H. B. Burns, % H. A. F. Co.,
King City.

Architect—Not Given.

Plans To Be Prepared.

OFFICES Cost, \$1,000,000
LOS ANGELES, Cal. SE Hollywood
Bldv. and Hudson Ave.

Twelve-story and basement Class A
stores and offices (139x172 ft.)

Owner—Hollywood Realty Corp., Ltd.,
Henry I. Beller, President, 6513
Hollywood Bldv., Los Angeles.

Architect—None.

Contractor—Henry I. Beller Constr.
Co., 6513 Hollywood Bldv., S. A.

Plans Being Figured.

ALTERATIONS Cost, \$30,000
SACRAMENTO, Cal. No. 726 K St.
Store alterations.

Owner—"Zukor's," 726 K St., Sacra-
mento.

Architect—McClelland & Pinneh, Re-
public Bldg., Seattle, Wash.

The work will involve a new store
front, new fixtures for departments
and offices; bronze work; lighting
system, etc.

Sub-Contracts Awarded.

REMODELING Cost, \$30,000
SAN FRANCISCO. Powell and Ellis
Streets

Remodel present store building and
install new fixtures, etc.

Owner—Owl Drug Co. (W. M. Berg,
Mgr.), 611 Mission St., S. F.

Plans by Edwin Du Val.

Contractor—Edwin Du Val, Dalziel
Bldg., Oakland.

Cabinet Work—Lannom Bros. Mfg.
Co., 6th and Magnolia Sts., Oak-
land.

Glass—Tyre Bros., 666 Townsend St.,
San Francisco.

Marble—Jos. Musto Sons-Keenan Co.,
635 North Point St., San Fran-
cisco.

Tile Work—Scott Co., 243 Minna St.,
San Francisco.

Electric Work—Chas. Langlais, 472
Tehama St., San Francisco.

Plumbing and Steam Heating—Fred
Snook Co., 596 Clay St., S. F.

Plans Being Completed.

BANK BLDG. Cost, \$30,000
REDWOOD CITY, San Mateo Co., Cal.
Upper Broadway and Minnie St.

One-story concrete modern bank
building (90x30 ft.; Spanish type).

Owner—San Mateo County Bank, Red-
wood City.

Architect—Albert F. Roller, Crocker
First National Bank Bldg., S. F.

Bids will be taken about Jan. 15.

Plans Being Figured.

ACCESSORY BLDG. Cost, \$100,000
OAKLAND, Alameda Co., Cal. Near
Old St. Mary's College, Thirtieth
St. and Broadway.

One-story, basement and mezzanine
floor auto accessory bldg. (cover
area of 18,000 sq. ft.)

Owner—Firestone Tire & Rubber Co.
Architect—Chas. McCall, 1404 Frank-
lin St., Oakland.

Will be of steel frame and rein-
forced concrete construction.

Contract Awarded.

BUILDING Cost, \$2,000,000
TACOMA, Wash. St. Helens Ave. near
S 9th St.

Sixteen-story and basement class A
medical arts building, 175x185-ft.

Owner—United Rhodes Realty Corp.
Architect—John Graham, Dexter-Hor-
ton Bldg., Seattle and Health, Gove
& Bell, Tacoma.

Contractor—A. W. Quist Co., Hoge
Bldg., Seattle.

Will be 16 stories high, offset to 11
stories on left side and six on right
side. West cast store finish on all
sides. Will have 136,987 sq. ft. rent-
able floor area and garage with ca-
pacity of 127 cars.

Sub-Contracts Awarded.

BANG BLDG. Cost, \$30,000
OAKLAND, Alameda Co., Cal. Thir-
teenth St. and Broadway.

One-story, basement and mezzanine
floor reinforced concrete bank bldg.

Owner—Pacific States Savings & Loan
Society.

Architect—Albert F. Roller, Crocker
First National Bank Bldg., San
Francisco.

Contractor—Barrett & Hilt, 918 Har-
rison St., San Francisco.

Excavating—Aries-Knapp Co., 961 41st
St., Oakland.

Lumber—Sunset Lumber Co., 400 High
St., Oakland.

Concrete Work—Rhodes-Jamieson Co.,
Broadway and Water St., Oakland.

Ornamental Iron—California Artistic
Metal & Wire Co., 349 7th St.,
San Francisco.

Contract Awarded.

NEWSPAPER BLDG. Cost, \$150,000
LONG BEACH, Los Angeles Co., Cal.
Third St., bet. American and
Locust Sts.

Two-story and basement reinforced
concrete newspaper building (100
by 125 feet).

Owner—Long Beach Sun.

Architect—Francis D. Rutherford, 205
Mills Fraser Bldg., Santa Monica.
Contractor—J. D. Sherer & Son, 1865
E. Anaheim St., Long Beach.

Preparing Working Drawings.

BANK, ETC. Cost, \$—
LOS ANGELES, Cal. North Broadway
and Daly St.

One-story Class C brick bank and
stores (30x90 feet).

Owner—Monroe Moss.

Architect—John P. Krempel & Walter
Erkes, 415 Bank of Italy Bldg.,
Los Angeles.

Lessee—Bank of Italy.

Plans To Be Prepared.

OFFICES Cost, \$—
SAN FRANCISCO.
Class A office building.

Owner—Investment Prop. Co. (Walter
H. Sullivan), Alexander Bldg.
Architect—Not Selected.

The site is surrounded on the west
frontage by the Mills building prop-
erty, on the north frontage by the new
Stock Exchange building and on the
opposite side of Burnett place by the
office building at the corner of Bush
and Sansome streets, formerly the
home of the Standard Oil Co., and di-
rectly opposite on Bush St. the new
twenty-two-story Standard Oil Com-
pany building.

Contracts Awarded.

STORE BLDG. Cost, \$90,000
FRESNO, Fresno Co., Cal. 1341-49 Ful-
ton St.

Two-story and basement class C steel
frame store building (hot air heat-
ing system, etc.)

Owner and Builder—Carl Elliott.

Architect—Eng. Dept. of Lessee.
Lessee—Montgomery Ward Co., Oak-
land.

Mrgs. of Const.—Shields, Fisher and
Lake, Pacific Southwest Bldg.,
Fresno.

Excavation—Stewart and Nuss, 400
Thorne Ave., Fresno.

Masonry—Paul Kinder, 145 N Van
Ness Ave., Fresno.

Carpentry and Concrete—E. J. Heffner
252 N Broadway, Fresno.

Lumber—Valley Lumber Co., H and
Mono Sts., Fresno.

Steel Rolling Doors, Etc.—Kyle & Co.,
346 G St., Fresno.

Plastering—David Wells, Fresno.

Mill Work—Fresno Planing Mill, Fres-
no.

Glazing—Tyre Bros., 666 Townsend St.,
San Francisco.

Painting—W. W. Spencer, Fresno.

Roofing—D. H. Coffman, Fresno.

Plumbing and Sprinkler System—Bar-
rett-Hicks Co., Fresno.

Heating Plant—Aladdin Heating Co.,
5107 Broadway, Oakland.

Elevators—Otis Elevator Co., 1 Beach
St., San Francisco.

Electric Wiring—Electric Const. Co.,
Fresno.

Plans Being Figured.

OFFICES Cost, \$700,000
SEATTLE, Wash. Fifth Ave. near
Virginia St.

Eighteen-story class A steel and con-
crete offices and lofts.

Owner—Textile Tower.

Architect—Earl W. Morrison, Lloyd
Bldg., Seattle.

First two floors will cover an area
of 120 by 108-ft., the next 13 floors,
88x108-ft., and additional stories 55 by
108-ft. Terra cotta trimming on ex-
terior.

Plans To Be Prepared.

SKYSCRAPER Cost, \$—
SAN FRANCISCO. Sutter and Mont-
gomery Sts.

Tall set-back skyscraper.

Owner—Withdrawn until negotia-
tions for site are completed.

Architect—Not Yet Selected.

Contract Awarded.

MEDICO-DENTAL BLDG. \$325,000
EUGENE, Oregon. SW Willamette
and Thirteenth Sts.

Nine-story and basement steel frame
and reinforced concrete medico-
dental building, 112x156 feet.

Owner—Medical-Dental Bldg. Co.

Architect—C. A. Houghtaling, Inc.,
Portland, Oregon.

Contractor—Tranchell & Parelus,
Portland, Oregon.

Exterior first three floors will be of
Bedford limestone or terra cotta, the
balance of Medusa white cement and
white sand plaster over Mineralith on
concrete.

Contract Awarded.

ALTERATIONS Cost, \$13,000
SAN FRANCISCO. NW Nineteenth
and Shotwell Sts.

Alterations to 2nd and 3rd floors of
office building.

Owner—Langendorf United Bakeries,
McAllister and Fillmore Sts., San
Francisco.

Mgr. of Constr.—Mel I. Schwartz, 308
Kearny St., San Francisco.

Contractor—Industrial Constr. Co.,
815 Bryant St., San Francisco.

Plans Being Figured—Bids Close

Shortly After Jan. 15.

BANK BLDG. Cost, \$250,000
SALINAS, Monterey Co., Cal. Main
Street.

Six-story Class A steel frame, terra
cotta and brick bank building.

Owner—Salinas National Bank.

Architect—Swartz & Ryland, Spazier
Bldg., Monterey; 373 Main St., Sa-
linas and Erix Bldg., Fresno.

Lower exterior of building will be of
pink Minnesota granite, glazed terra
cotta and brick for exterior of upper
stories. Lobby of bank will be floored
and walled in marble. Dual elevator
system; hot water, steam heat, gas
service and compressed air service.

Club rooms in basement; safety deposit
and storage vaults. Deposit of \$25
required for plans.

Sub-contractors desiring to submit
bids on this project are invited to send
their bids to the architects in the
Spazier Bldg., Monterey.

Preparing Working Drawings.

STORE BLDG. Cost, \$60,000
SAN MATEO, San Mateo Co., Cal. N-
B St. and Baldwin Ave., 81x124 ft.

One and two-story reinforced concrete
store building (10 stores).

Owner—Wisnom Estate.

Architects—Edwards & Schary, 605
Market St., San Francisco.

Plans will be ready for bids in about
30 days.

Completing Plans—Contract Awarded.

OFFICE BLDG. Cost, \$750,000
SACRAMENTO, Sacramento Co., Cal.
NE Seventh and J Sts.

Fifteen-story Class A reinforced con-
crete and steel office building (80x
100 feet).

Owner—Financial Center Bldg. Corp.,
L. B. Keller, President.

Architect—Geo. C. Sellon & Co., State
Life Bldg., Sacramento.

Contractor—Lindgren & Swinerton,
Inc., 225 Bush St., San Francisco.

Ground floor will have seven stores,

while basement and some portions of
lower stories will be devoted to auto-
motive accommodations, including
service facilities and parking space for
the occupants of the building.

Plans Being Prepared.

Offices Cost, \$200,000
HUNTINGTON PARK, Los Angeles
Co., Cal. Pacific Blvd.

Two-story and basement Class A re-
inforced concrete offices (55x125
feet).

Owner—J. A. Gas & Electric Corp.

Architect—Eng. Dept. of Owner.

SANTA ROSA, Sonoma Co., Cal.—
Keterlin Bros., hardware and farm
implement dealers, 413 Fourth St.,
has leased an additional store adjoin-
ing the present quarters and will in-
stall new store fronts and remodel in-
terior. New fixtures will be installed
to provide departments for General
Electric refrigerators and Monarch
electric ranges.

THEATRES**Contract Awarded.**

THEATRE, ETC. Cost, \$250,000
LOS ANGELES, Cal. W Pico St. at
Lavanaia St.

Two-story Class A reinforced concrete
and steel theatre, stores and offices
(120 by 120 ft.)

Owner—Fox West Coast Theatres.

Architect—Boller Bros., 340 Douglas
Bldg., Los Angeles.

Contractor—Wm. Simpson Constr. Co.,
Architects' Bldg., Los Angeles.

Sub-Bids Being Taken.

THEATRE Cost, \$165,000
PASO ROBLES, San Luis Obispo Co.,
Cal.

One and two-story reinforced concrete
Class A building (theatre to seat
1200; stores, offices and apart-
ments).

Owner & Builder—Paso Robles Realty
Co. (Jos. Greenback), Hearst Bldg.,
San Francisco.

Architect—Albert H. Larsen, 447 Sut-
ter St., San Francisco.

Plans To Be Prepared.

THEATRE Cost, \$1,000,000
PHOENIX, Arizona. North Central
Avenue.

Class A theatre and offices (seating
3000)

Owner—Publix-Rickards-Nace (Harry
L. Nace, Dist. Manager).

Architect—None.

Plans To Be Prepared.

THEATRE Cost, \$1,000,000
PASADENA, Los Angeles Co., Cal.
Class A theatre (seat 2500).

Owner—Fox West Coast Theatres (J.
Franklin, Vice President).

Architect—None.

To Be Done By Day's Work.

THEATRE Cost, \$110,000
LOS ANGELES, Cal. No. 488 W-
Sixth St.

One-story Class A reinforced concrete
theatre and stores (125x150 ft.)

Owner—Warner Bros. Theatre Corp.

Engineer—C. Deuel.

WHARVES AND DOCKS

OAKLAND, Calif.—Oakland Yacht
Club, foot of 19th Ave., has leased
land from the city at foot of 19th Ave.

agreeing to pay \$24,600 over a period
of ten years and will construct moor-
ing facilities. A clubhouse is already

OAKLAND, Alameda Co., Cal.—M. B. McGowan, 74 New Montgomery St., San Francisco, at \$18,126 awarded contract by City Port Commission to construct creosoted timber bulkhead at foot of 19th Ave., Brooklyn Basin.

VALLEJO, Solano Co., Calif.—Dun-canson-Harrelson Co., De Young Bldg., San Francisco, at approximately \$3,000 awarded contract by Golden Gate Ferry Co. to rebuild south side of Mare Island Ferry slip at Georgia St., involving pile driving, etc.

SAN FRANCISCO—See "Government Work and Supplies," this issue. Bids wanted by Lighthouse Service for redwood tanked derrick installations, roadways, piping system, etc.

ISLETON, Sacramento Co., Cal.—M. A. Jenkins, 2560 Y St., Sacramento, at \$9,689 submitted lowest bid to State Engineer's Office to construct approx. 635 ft. of pile and timber bulkhead of treated lumber on left bank of Sacramento river near Libby, McNeil & Libby Cannery, one mile below Isleton.

Following is a complete list of bids: Alt. No. 1 (Redwood construction).
M. A. Jenkins, Sacramento, \$9,689;
(1) \$7,467.
Oakland Harbor Const. Co., Oakland, \$9,816; (1).....
Ralph Hunter, Sacramento, \$10,390;
(1) \$9,500.
Ben C. Gerwick, San Francisco, \$10,421; (1) \$9,699.
L. T. Isham, \$11,084; (1) \$8,757.
M. B. McGowan, S. F., \$11,977; (1) \$10,741.

MISCELLANEOUS CONSTRUCTION

BERKELEY, Alameda Co., Calif.—Construction of a 1100-ft. runway, running east and west across the Municipal Airport, grading the present 550-ft. runway and leveling the entire field, is provided for in a \$4,000 appropriation authorized by the city council. John N. Eddy is city manager.

SACRAMENTO COUNTY, Cal.—Following bids received Jan. 6 by C. H. Whitmore, District Engineer, State Highway Commission: to move buildings, appurtenances and utilities and placing untreated crushed gravel or stone surfacing, 8 miles north of Sacramento:

O. F. Brown, 3435 Sacramento Blvd., Sacramento.....\$472
W. E. Truesdale, Sacramento.....674
E. R. Jameson, Sacramento.....757
Bids taken under advisement.

Bids Opened.
COMFORT STATION Cost, \$40,000
SAN FRANCISCO. Great Highway bet. Judah and Taraval Sts. Construct comfort station.
Owner—City and County of San Francisco.

Architect—Bureau of Architecture, 2nd floor, City Hall.
Clinton-Stephenson Co., Market-nock Bldg., S. F.....\$50,878
H. Larsen.....51,731
Sorenson & Haggmark.....53,733
Clinton Const. Co.....53,400
F. J. Rilly.....53,797
J. W. Cobby & Son.....54,200
Spivock & Spivock.....54,500
Leibert & Trebock.....54,600
Vogt & Davidson.....55,487
MacDonald & Kahn.....55,831
J. A. Grant.....56,427
Meyer Bros.....56,495
F. Miller.....59,452
Mission Concrete Co.....59,764
C. C. Haun.....62,150
L. J. Cohn.....64,100
All bids taken under advisement.

Sub-Contracts Awarded.
BATH HOUSE Cont. Price, \$19,300
ALAMEDA, Alameda Co., Cal. Two-story frame municipal bath house Owner—City of Alameda (W. E. Varcoe, City Clerk).
Architect—Carl Werner, Santa Fe Bldg San Francisco.
Contractor—J. J. Groden, 1023 San Antonio St., Alameda.
Concrete Work—Nat. Lena, 2307 Encinal Ave., Alameda.
Mill Work—Atkinson Mill & Mfg. Co., 2985 Chapman St., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Roofing—Koplin Roofing Co., 1549 9th St., Oakland.
Painting—E. E. Lansing.
Plumbing—C. W. Roland, 5921 Foot-hill Bldg., Oakland
Glass—W. P. Fuller & Co., 259 10th St., Oakland.

SAN FRANCISCO.—Posterad Engineering and Const. Co., 434 Russ Bldg., is in the market for 30,000 10-in. dials for electric clocks, 30,000 one-thirtieth hp. electric motors and 30,000 reduction gears. Further information is obtainable from above.
Preliminary Plans Being Prepared.
SWIMMING POOL Cost, \$50,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
Reinforced concrete swimming pool.
Owner—City of South San Francisco (Daniel McSweeney, city clerk).
Architect—Edwards & Schary, 605 Market St., San Francisco.
Construction depends upon a bond issue for \$50,000 yet to be voted.

Plans Being Figured—Bids Close Jan. 21, 2 P. M.
TENNIS COURTS Cost, \$—
SAN JOSE, Santa Clara Co., Cal. State Teachers' College.
Four tennis courts.
Owner—State of California.

Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

EUREKA, Humboldt Co., Cal.—Humboldt Flying Service, recently incorporated for \$75,000, plans improvements at Murray Field, Eureka Airport. A gasoline and oil service station and a \$65,000 Richfield Oil Company beacon will be among the improvements. Dolph Jensen, located at Murray Field; Dayton Murray and J. W. Teel, all of Eureka, are directors in the new company.

OAKLAND, Cal.—Until Jan. 16, 12 noon, bids will be received by Frank C. Merritt, city clerk, to fur. transportation, storage and compression tests on Portland cement concrete cylinders for the remainder of the fiscal year ending June 30, 1930. Bond of \$150 required of successful bidder. Spec. obtainable from city clerk.

SAN FRANCISCO.—Until January 20 7:30 P. M. bids will be received by Frank T. Kennedy, secretary, Board of Fire Commissioners, 2 City Hall, for drydocking, repainting of hulls, overhauling and repairing the fireboats, "Dennis T. Sullivan" and "David Scannell." Specifications obtainable from secretary.

SAN FRANCISCO.—Until Jan. 20, 7:30 P. M., bids will be received by Frank T. Kennedy, secretary, Board of Fire Commissioners, 2 City Hall, for repairs to hull of fireboat "David Scannell." Specifications obtainable from secretary.

Building Permit Granted—To Be Done By Day's Work.

CREMATORY Cost, \$15,000
SANTA CRUZ, Santa Cruz Co., Cal. Ocean St. opp. Odd Fellows Cemetery.
One-story reinforced concrete Spanish type mortuary crematory, 50x 50-ft.
Owner—Frank B. Gibson, 2401 Cimarron St., Los Angeles.

Plans by Owner.
Will have tile flooring with chapel, restrooms, etc. Distillate will be used in the two mortuary retorts.

FRESNO, Fresno Co., Cal.—Pacific Air Transportation Co., has completed negotiations with the city council whereby that company will erect an administration building and radio station, the former to cost \$6000 and the latter \$9000. The structure will be T-shape; 40 by 40 feet, containing restrooms and waiting rooms, etc.

COALINGA, Fresno Co., Cal.—Until January 23, 5 P. M. (to be opened at 7:30 P. M.), bids will be received by E. J. McCroskey, city clerk, to furnish and erect one gas receiver tank, 8-ft. dia. by 40-ft. long with standard dished heads ¾-in. thick, shell ¾-in. thick with all seams double welded, or welded inside and out with 11 by 16 manhole and one head, etc. Alternate proposals will be received for two tanks with a total capacity equaling that of the 3 by 40 ft. tank above mentioned. Certified check 10% required with bid.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission St., Phone KEARNEY 1252.

16384—Bricks. Berlin, Germany. Party is desirous of exporting bricks from Riga, Latvia, to California. Asks for details as to standard size, etc.

16087—Kerosene, Fuel or Diesel Oil. New York, N. Y. Company has inquiries from India for the above mentioned products. Desires c.i.f. Bombay quotations.

16090—Representation in No. China. Tientsin, China. Firm acting as manufacturers' representatives desires to represent San Francisco firms in the following lines: Fertilizers, machinery, hardware, electric motors, lamps, etc.

16093—Representation in Australia. Sydney, New South Wales, Australia. Party is seeking contacts with firms interested in having representation in Australia.

16094—Representation. San Francisco, Calif. Australian business man is now in San Francisco to interview manufacturers with a view to securing representation of their lines. Patented specialties are of particular interest to him. Bank references.

D.3360—Mill Supplies. Bay City, Mich. Party is interested in contacting someone who is able to manufacture his line of mill supplies.

16099—Representation. Paris, France. Well established firm wishes to represent California manufacturers who want their products introduced in the French market.

17001—Agencies. Vienna, Austria. Organization is seeking the names of San Francisco firms interested in taking agencies for Austrian companies.

17011—Lumber. Guatemala City, Guatemala. Exporting firm wants to contact importers of lumber.

17014—General Representation. La Piedad, Mich., Mexico. Party wishes to represent manufacturers of hardware.

(Continued on Page 24)

Engineering News Section

BRIDGES

SANTA ROSA, Sonoma Co., Calif.—County Surveyor E. A. Peugh will start surveys shortly for new bridge on road between Sebastopol and Freestone; estimated cost \$3,000.

STOCKTON, San Joaquin Co., Cal.—State Railroad Commission is considering plans for proposed subway under tracks of Southern Pacific R. R. on Lower Sacramento road in the Forrest Lake District, San Joaquin county; estimated cost \$13,000. It is understood the railroad will pay one-half the cost and the county the other half from the gas tax fund. J. B. Manthey is county surveyor.

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee, Jr. will confer with San Mateo and Santa Clara county supervisors regarding widening of Middlefield road bridge to meet traffic needs. The existing sidewalk on the bridge would be eliminated and a pedestrian walk provided on the outside of the bridge, according to tentative plans.

SAN FRANCISCO—Duncanson-Harrelson Co., De Young Bldg., at \$26,829 awarded contract by State Department of Public Works, Division of Engineering, for borings in connection with the proposed bridge over San Francisco Bay connecting San Francisco with Alameda county. Borings will be made along suggested bridge sites from Goat Island to Telegraph Hill; from Rincon Hill to Goat Island; from Rincon Hill to the Alameda Mole and in adjacent territory.

SANTA CRUZ, Santa Cruz Co., Cal.—City Clerk S. A. Evans, will ask bids at once to be opened January 20 to construct proposed new bridge in Market St. of Branciforte Creek. Will be combined wood and concrete construction. Plans obtainable from Roy Fowler, city engineer.

DREDGING, HARBOR WORKS & EXCAVATIONS

BURLEY, Idaho—See "Government Work and Supplies," this issue. Bids opened by U. S. Bureau of Reclamation.

IRRIGATION PROJECTS

OROVILLE, Butte Co., Cal.—Jan. 27 is the date set by the county supervisors to consider the petition seeking formation of the Richvale Irrigation District, embracing 30,000 acres, in the vicinity of Richvale. Proceedings have been started for another district comprising 100,000 acres in the northern section of Butte county and in Sutter county.

OROVILLE, Butte Co., Cal.—Petition seeking formation of the proposed Rio Seco Irrigation District, embracing 8,600 acres, is being considered by the Butte county supervisors.

COLUSA, Colusa Co., Calif.—Colusa County landowners and farmers have called a meeting for January 13 to discuss Colusa's proposed \$1,000,000 Sacramento weir project. Fred H. Thibbets, consulting engineer of San Fran-

cisco, and a representative of the State Engineer's office will address the meeting to further steps in connection with the project.

STREET LIGHTING SYSTEMS

SAN JOSE, Santa Clara Co., Calif.—City declares intention (4953) to install lighting system in Second St. bet. San Salvador and Reed Sts., involv. 20 (San Jose Standards) Duplex electrolux posts together with underground system. 1911 Act. Bond Act 1915. Hearing Jan. 6. John J. Lynch, city clerk. Wm. Popp, city eng.

SAN LEANDRO, Alameda Co., Cal.—City trustees have abandoned proceedings to install ornamental lighting system in Dutton Ave. W. A. Richmond is city manager.

HANFORD, Kings Co., Calif.—Until January 20, 7 P. M., bids will be rec. by D. C. Williams, city clerk, to install ornamental lighting standards together with underground system in 7th St. from Harris to Redington Sts., Doucy St. for 6th to 8th St., Irwin St. from 6th to Court Sts. and 7th St. from Thornton St. to west line of Blocks 110 and 140. Est. cost, \$20,000. 1911 Act. Bond Act 1915. Cert. check 10% payable to city required with bid. Plans on file in office of clerk. A. Segel, engineer, Griffith-McKenzie Bldg., Fresno.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer Roy Fowler preparing plans to install 28 Marbelite standards with underground system in connection with Walnut Ave. widening.

SAN JOSE, Santa Clara Co., Cal.—Proceedings have been started by the city council to install ornamental lighting system in Second St., bet. San Salvador and Reed Sts. Wm. Popp, city engineer.

MACHINERY AND EQUIPMENT

SACRAMENTO, Cal.—Contracts for furnishing the state with road graders were awarded by the State Purchasing Agent, J. F. Misphey, as follows:

Smith Booth Usher Co., three 7-ft. Gallon No. 77 at \$868 each, and three 8-ft. Gallon No. 88, at \$1005 each; delivery to North Hollywood.

Janlon Machinery Co., three 7-foot Gallon No. 77 at \$868 each, and three 8-ft. Gallon No. 88 at \$1005; delivery to Sacramento.

Austin-Western Road Machinery Co., six 8-ft. Austin Mammoth Junior LW at \$1080 each; delivery to Sacramento.

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SAN FRANCISCO 275 8th St. Market 2822
LOS ANGELES 800 W. 11th St. Westmore 4179

RAILROADS

WINSLOW, Ariz.—The Santa Fe Ry. announces plans are under way for the construction of a 22-mile rail line east of Winslow to cost \$1,375,000. The line will parallel the existing main line. Upon the completion of this work the Santa Fe will be double-tracked from Los Angeles to Chicago with the exception of 20 miles in northern Arizona. The average cost of Santa Fe track construction is \$55,000 per mile. Construction will involve a new double track bridge over the Little Colorado river, 2 miles east of Winslow. The present bridge has a 164-ft. span.

OAKLAND, Alameda Co., Cal.—Bids will be asked at once by City Port Commission, 424 Oakland Bank Bldg., to furnish and deliver track material in connection with Brooklyn Basin, 7th Ave. Pier. Spec. obtainable from above office.

FIRE ALARM SYSTEMS

PITTSBURG, Contra Costa Co., Cal.—City council plans to install new fire and police alarm boxes in various sections of the city at a cost of \$12,000. Roy A. Watkins is city manager.

FIRE EQUIPMENT

NORTH SACRAMENTO, Sacramento Co., Cal.—City council plans purchase of motor-driven fire equipment to replace present chemical equipment.

SAN ANSELMO, Marin Co., Calif.—Chester N. Weaver Co., 1355 Van Ness Ave., San Francisco, at \$8,000 submitted low bid to city trustees to furnish a 600-gallon pumper for the Fire Department. American La France Fire Engine Co. and Seagrave Co. were on other bidders at \$9,000 each. Taken under advisement. (Fire Dept. endorses American La France equipment).

SAN MATEO, San Mateo Co., Cal.—American Rubber Mfg. Co., Matson Bldg., San Francisco and Piereur Rubber Mills, 353 Sacramento St., San Francisco, submitted identical bids to city council to furnish 500-ft. of hose for Fire Department. Bids were: \$1.30 ft. first grade; \$1.15 ft. second grade; \$1 ft. third grade. Referred to City Manager E. P. Wilsey for report.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN FRANCISCO—Postcard Engineering and Const. Co., 434 Russ Bldg., is in the market for 30,000 10-in. dials for electric clocks, 30,000 one-thirtieth hp. electric motors and 30,000 reduction gears. Further information is obtainable from above.

BERKELEY, Alameda Co., Calif.—Until January 20, 8 P. M., bids will be received by Clara F. Andrews, secy., Board of Education, 2325 Milvia St., to furnish and deliver one piano. Further information obtainable from secretary.

WASHINGTON, D. C.—See "Government Work and Supplies," this issue. Bids wanted by Navy Department for miscellaneous supplies, materials and equipment for various Pacific Coast Navy Yards.

PIPE LINES, WELLS, ETC.

SANTA ANA, Orange Co., Cal.—Southern Counties Gas Co. has announced that improvements and betterments in Orange County during 1936 will cost \$260,000. The figure includes an appropriation of \$183,870 for extension of mains, services and the necessary equipment for such extensions; \$65,000 for replacement of a number of miles of existing mains; \$10,000 for a new office building at Laguna Beach, and \$44,160 for additional service in various parts of the county. C. S. Rutledge is the district manager.

SEWERS AND SEWAGE DISPOSAL PLANTS

OAKLAND, Cal.—Until January 16, 12 noon, bids will be received by Frank C. Merritt, city clerk, to improve portions of Foothill Blvd. and Sts. in "Country Club Manor" tract, involv. vitrified pipe sewers with manholes, lampholes and wye branches. 1911 Act. City will pay \$20,000 of the total cost from the General Fund. Cert. check 10% payable to City required with bid. Plans on file in office of clerk. Geo. N. Randle, city engineer.

PASADENA, Cal.—Until 10 A. M. January 22, bids will be received by the city council for one cylindrical, revolving, double-shell dryer and appurtenant apparatus for drying sewage sludge at the Pasadena Sewage Disposal Plant, located near Alhambra. Specifications may be obtained from the city engineer, G. K. Hooper. Certified check, 10%.

BAKERSFIELD, Kern Co., Calif.—City declares inten. (600) to construct 6-in., 8-in. and 15-in. vitrified sanitary sewers together with manholes, lampholes and wye branches in Sewer Dist. No. 600. 1911 Act. Hearing Jan. 20. V. Van Riper, city clerk. W. D. Clarke, city engineer.

OJAL, Ventura Co., Cal.—Until 7:30 p. m., Jan. 27, bids will be received by the city council for additions to the existing city domestic sewage disposal plant by construction of a sludge tank, sprinkling filter beds, chlorination plant, sludge drying beds and other necessary equipment and appurtenances in connection therewith. Black & Veatch, consulting engineers, 621 Ferguson Bldg., Los Angeles. Plans obtainable from engineers on deposit of \$15, of which \$10 will be returned. Certified check, 10%. Bids will be taken as follows: (1) 900 cu. yds. excavation; (2) screening chamber; (3) Imhoff tank alterations and additions; (4) dozing tank; (5) sprinkling filter alterations and additions; (6) resetting tank alterations and additions; (7) sludge digester and pump house; (8) sludge bed concrete and piping; (9) yard piping, (a) lump sum for all yard piping, (b) for variations from the specified lengths of pipe lines, drains and sewer, (1) 4-in. class B cast iron pipe, (2) 6-in. class A cast iron pipe, (3) 8-in. class A cast iron pipe, (4) 10-in. class A cast iron pipe, (5) 6-in. vit. clay pipe sewer, (6) 10-in. vit. clay pipe sewer, (c) class C concrete, 5 cu. yds.; (10) class B concrete, 5 cu. yds.; (11) class D concrete, 5 cu. yds.

LAS VEGAS, Nev.—A. H. Koebig of the firm of Koebig and Koebig, Rowan Bldg., Los Angeles, has given the city council an estimate of \$200,000 as the probable cost of the new sewer collec-

tion system and disposal plant for which tentative plans have been prepared. The contract will probably be divided into mains and disposal plant.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes plans, and supervisors have been requested to authorize the calling of bids to construct Section A of the 15th St. Sewer, under Contract No. 3. Estimated cost \$70,000. Funds will be provided from the Sewer Bond Issue. Project will involve approx. 940 ft. 6-ft. 8-in. by 8-ft. 6-in. reinf. concrete sewer; 230 ft. 6-ft. reinf. conc. circular sewer; 28,000 sq. ft. wood piling. M. M. O'Shaughnessy, city engineer.

LOS ANGELES, Cal.—County Sanitation District No. 3 has authorized A. K. Warren, chief engineer, and Bruce Mason, special counsel, to prepare proceedings for a \$3,400,000 bond election for construction of trunk sewers within the district, costing \$1,600,000 and this district's share in the ocean outfall, \$1,800,000. The date for the election will probably be set at the district meeting on Jan. 8.

POINT REYES, Marin Co., Calif.—Formation of sanitary district at Pt. Reyes station has been recommended by Dr. J. H. Kuser, county health officer. Sewer, drainage and garbage conditions will be improved when permission in granted by State Board of Health.

LOS ANGELES, Cal.—Until 2 P. M., Jan. 20, bids will be received by county supervisors for constructing cement pipe sanitary sewers in C. I. No. 725, in Belvedere Gardens, Unit No. 3, including Eugene St., First St., Fourth St., Gratlan St., McBride Ave., et al, involving: 16,660 ft. 8-in. cement pipe sewer; 2050 ft. 8-in. cement pipe main sewer; 250 ft. 10-in. cement pipe main sewer; 6420 ft. 6-in. cement pipe house connections; 16 flushing manholes; 37 manholes; 17 junction chambers; 7 ft. 6 in. cement pipe chimney; 162 ft. ¾ in. galv. iron pipe; break into existing drop manhole or county and form new channel in base. Estimate, \$42,288. Work involves 3.59 miles.

SAN MATEO, San Mateo Co., Cal.—Plans will be started shortly by city for the proposed \$75,000 South San Mateo sewer system, according to City Manager E. P. Wisley.

BURLINGAME, San Mateo Co., Cal.—See "Streets and Highways," this issue. Sewage Improvements in connection with Primrose road widening.

OROVILLE, Butte Co., Cal.—City Engineer S. J. Norris making surveys to extend storm sewer in Myers St. from Robinson street. Surveys are

also being made for other improvements in connection with the sewer system.

MISCELLANEOUS CONSTRUCTION

SEATTLE, Wash.—Application to the city council of Seattle, Wash., for a franchise to build a traffic tube with 24-ft. roadway on the bed of Lake Washington between the Seattle Mainland at Seward Park and Mercer Island has been made by A. J. Ghirdi, 2112 5th St., N., Seattle, and C. A. Newhall, 6303 21st St., NE, Seattle, engineers for the Traffic Tube Construction Company who estimate the cost of carrying out the project as approximately \$4,500,000. Water depth off Mercer Island is 150 ft. The council also has under consideration the long-debated Mercer Island toll bridge plans of the Puget Sound Bridge & Dredging Company, Central Bldg., Seattle. This plan has not been favored by the council, because of opposition of the park board to any surface approach being built either through or around the rim of the park.

OAKLAND, Cal.—Until Jan. 16, 12 noon, bids will be received by Frank C. Merritt, city clerk, to fur. transportation, storage and compression tests on Portland cement concrete cylinders for the remainder of the fiscal year ending June 30, 1936. Bond of \$150 required of successful bidder. Spec. obtainable from city clerk.

WATER WORKS

HUNTINGTON BEACH, Cal.—The California Oil & Gas Association of Los Angeles has announced that the oil operators of Huntington Beach will build a \$100,000 waste water disposal system similar to that in operation at Santa Fe Springs.

LOS ANGELES, Cal.—Until Jan. 21, 10 A. M., bids will be received by Purchasing Agent, City Water and Power Bureau, 207 S. Broadway, for eight direct motor-driven deep well turbine pumps; under Advertisement 1275.

ALHAMBRA, Los Angeles Co., Cal.—City Engineer Otto N. Rugen announces three miles of transmission lines will be laid by city water department during current year at a cost of \$50,000; distribution of mains, \$20,000; services, \$5,000, and additional fire hydrants to cost \$20,000.

PATTERSON, Stanislaus Co., Cal.—Patterson Water Co. will spend \$10,000 in replacements during the current year, involving in the main 250 iron gates, costing \$5,000.

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MODESTO, Stanislaus Co., Calif.—City council has appropriated \$20,000 to finance drilling well, purchase of pumps and installation of water pipe extensions. Bids will be asked shortly. Frank Ross, city engineer.

PUNTE, Los Angeles Co., Calif.—Bids will be asked shortly by Rowland Union School District for water storage system. Will consist of a reinforced concrete tank, 21-ft. dia. and 8-ft. deep; electrically driven pump and connections and pipe line connections. Plans by Jeffery and Schaefer, architects, Kerckhoff Bldg., Los Angeles.

REDWOOD CITY, San Mateo Co., Calif.—Property owners and residents in Millbrae Villa Tract have petitioned the county supervisors to undertake improvements affording modern fire protection and water service in the Millbrae section. Referred to County Surveyor Geo. A. Kneese for report.

MODESTO, Stanislaus Co., Calif.—City Engineer Frank Ross is preparing plans for pumping plant in connection with municipal water system. City council has appropriated \$20,000 for this project.

SAN MATEO, San Mateo Co., Calif.—Proceedings will be started shortly by city council for installation of 8-inch water mains with fire hydrants in Beresford Park district. E. P. Wilsey, city manager.

MODESTO, Stanislaus Co., Calif.—United States Pipe and Foundry Co., Monadnock Bldg., San Francisco, and Pacific States Cast Iron Pipe Company, Hunter-Dulin Bldg., San Francisco, the two bids totaling \$8,556.60, awarded contract by city to furnish 5,600 feet 4-in., 1,250-ft. 8-in., 600-ft. 10-in. and 4,400-ft. 6-in. water pipe.

STRATFORD, Kings Co., Cal.—Plans to formulate a public utilities district to establish a publicly owned water system for domestic use and fire protection are under way. J. H. Brothers is chairman of committee in charge of formation of the district. It is proposed to provide a system costing \$25,000, including a 30,000-gal. tank on 100-ft. tower with new water mains in the business section.

SAN FRANCISCO—See "Government Work and Supplies," this issue. Bids wanted by Lighthouse Service for roadwork tanks, derrick installations, roadways, piping system, etc.

SAN DIEGO, Calif.—Contracts for construction of the Otay Reservoir-San Diego second main pipe line were awarded by the city council as follows:

Schedule 1, for trench excavation and completion of backfilling from Lower Otay Reservoir to Lantana Dr., about 14.8 miles, to R. E. Hazard Contracting Co., 2548 Kettner Blvd., San Diego, at \$43,269.25.

Schedule 11, pipe conduit and appurtenances, furnishing and installing from Lower Otay Reservoir to Lantana Drive, about 16.2 miles, to Western Pipe & Steel Co., 5217 Santa Fe Ave., Los Angeles, at \$621,317.60, using electric welded steel pipe.

Schedule 111, tunnel excavation, Gunite and concrete reinforced lining and floor, 4 turnels, aggregate length about 1.4 miles, to M. N. Guho and M. Miller 208 W 2nd St., Los Angeles, at \$67,346.50.

Schedule 1V, trench excavation, furnishing and installing pipe and appurtenances and backfilling, Lantana Dr. along city avenues and streets, paved and to be paved, to University Hgts Reservoir about 3 miles, to Miracle Const. Co., 4500 Menlo Ave., San Di-

ego, at \$220,728, using U. S. Hi-Tensile cast iron pipe.

OAKLAND, Cal.—Until January 13, 5:30 A. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 Sixteenth St., to furnish approximately 3618 tons of cast iron pipe of diameters ranging from 4-in. to 16-in. inclusive. Specifications obtainable from secretary.

PLAYGROUNDS & PARKS

SAN MATEO, San Mateo Co., Cal.—San Mateo School District has purchased a 50-foot frontage lot from the city adjoining the San Mateo Park Grammar School and will improve the site for playground purposes.

SOUTH SAN FRANCISCO, San Mateo Co., Calif.—City council will call election to vote bonds of \$120,000 to finance development of three public parks and to pave Orange Ave.

STREETS AND HIGHWAYS

OAKLAND, Cal.—Bowersmith, Tuttle & John, Oakland, awarded contract by city council to improve Leimert Place from Oakmore Rd. to Clements Rd., involving excavation, \$90 cu. yd.; conc. curb, \$80 lin. ft.; Vibrolithic conc. pavement, \$27 sq. ft.

OAKLAND, Cal.—Heafey-Moore Co., 344 High St., Oakland, awarded contract by city council to improve portions of Holly St., involving grade, \$10 sq. ft.; conc. curb, \$1 lin. ft.; conc. gutter, \$30 sq. ft.; 2-in. Durite asph. conc. surface pave with 3-in. asph. conc. base, \$30 sq. ft.

BURLINGAME, San Mateo Co., Cal.—City council has approved plans to widen Primrose road and create a sewer district to care for draining of Primrose and Bellevue Ave.; widening will cost \$4692.58 and sewage system, \$3365.77.

SAN MATEO, San Mateo Co., Cal.—Bids will be asked about January 20 by city council to extend North B street from Baldwin to Tilton Ave.; estimate cost \$35,000.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer Roy Fowler preparing plans to widen Walnut Ave. and install lighting system. Twenty-eight Marbelite standards together with underground system will be installed.

OAKLAND, Cal.—Until January 23, 12 noon, bids will be received by Frank C. Merritt, city clerk, to improve portions of Hermosa Ave. and Broadway Terrace involving grade concrete curbs and gutters; asphalt concrete pavement; storm water drain; vitrified pipe conduit; concrete box culvert; sewer with manholes, lampholes and wye branches. Imp. Act 1913. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Geo. N. Randle, city engineer.

SAN MATEO, San Mateo Co., Cal.—City council has started proceedings to pave streets in Homestead District east of State Highway and for a number of streets in the East San Mateo section.

RED BLUFF, Tehama Co., Cal.—City Engineer W. F. Luning making surveys to extend Union St. to connect with Third St.

NAPA, Napa Co., Cal.—Fred Meyers, 120 S 23rd St., Richmond, at \$987 awarded contract by city council to construct 6-in. vitr. ironstone sewer in Bailey St. from 4th St. extended east and running south 30 ft., etc., includ. wye branches; br. manhole. Other bids: Oakland Const. Co., Oakland, \$988.82; F. Gaggero, Napa, \$1,154.20; R. E. Errington, Napa, \$1,144.20.

SAN FRANCISCO—Federal Const. Co., Call Bldg., at \$106,325 submitted low bid to Board of Public Works to improve Great Highway (lower road) between Ulloa St. and Lincoln Way. Other bids were: Meyer Rosenberg, \$112,167; California Const. Co., \$115,929; Fay Imp. Co., \$116,115; C. L. Harney, \$119,829; Pacific States Const. Co., \$129,502; C. Eaton, \$122,186; L. J. Cohn \$124,334; J. T. Tobin, \$129,231.

SAN FRANCISCO—Fay Imp. Co., Phelan Bldg., at \$1,787 submitted low bid to Board of Public Works to imp. Bayshore Ave. bet. Tunnel Ave. and Wheeler Ave. invol. conc. curbs; side sewers; 6-in. conc. base, 1½-in. asph. conc. surface pavement and one br. catchbasin with 10-in. ironstone pipe culvert and art. stone walks at crossing of Tunnel and Bayshore Avenues. Other bids, all taken under advisement, were: N. J. Barry, \$1,984; C. B. Eaton, \$2,317; K. I. Dowdy, \$2,970.

SACRAMENTO, Cal.—Until Jan. 27, 5 P. M., bids will be received by Chas. C. Hughes, secretary, Board of Education, to construct approximately 4,000 sq. ft. concrete sidewalk, fronting school properties. Cert. check 10% payable to Board of Education req. with bid. Specifications obtainable from secretary.

FRESNO, Fresno Co., Cal.—City declares inten. (99-D) to improve Inez St. from Huntington Blvd. to Ventura Ave., involving construction of cement concrete sidewalks and curbs. 1911 Act. Hearing January 23. H. S. Foster, city clerk. A. M. Jensen, city engineer.

IMPERIAL COUNTY, Cal.—R. E. Hazard Construction Co., San Diego, at \$110,426.30 awarded contract by State Highway Commission to grade and pave with asph. conc. 5.0 mi. bet. Dixieland and Seeley. Project involves: 32,600 cu. yds. rdwy. excav. without classification; 457,100 cu. yds. overhaul; 1430 cu. yds. struct. excav.; 19,500 sq. yds. preparing subgrade; 37,000 sq. yds. asph. paint binder; 17,500 tons asph. conc.; 150 cu. yds. Class "A" cem. conc. (struct.); 960 lin. ft. bar reinf. steel (struct.); 960 lin. ft. 12", 622 lin. ft. 18", 374 lin. ft. 24" and 458 lin. ft. 36" corrugated metal pipe; 1172 lin. ft. 4" drain tile; 132 tons gravel blanket for siphons; 170 cu. yds. untreated crushed gravel or stone surfacing; 288 lin. ft. solid timber guard rail; 280 cu. yds. removing and disposing of conc. in existing pave. and struct.; 2.3 mi. moving and reset property fences; 260 sta. finish rdwy.; 20 monuments. State will fur. corr. metal pipe.

MILL VALLEY, Marin Co., Cal.—Town trustees declare intention (693) to construct hydraulic concrete sidewalks in portions of Bithledale Ave., Park Ave., etc. 1911 Act. Bond Act 1915. Hearing January 9. Will Falley, town clerk. F. H. Lacy, city engineer.

SOLANO COUNTY, Cal.—Following bids received Jan. 8 by State Highway Commission to grade and pave with Port. cement concrete 0.7 miles thru Dixon:
D. W. Wood, Stockton.....\$27,974
Fredrickson & Watson & Fredrickson Bros., Oakland.....30,665

MILL VALLEY, Marin Co., Cal.—Town trustees declare intention (69%) to improve portion of Circle Ave., involving grade; hydraulic concrete pavement; ironstone pipe lateral sewers with wye branches; one brick and concrete manhole. 1911 Act. Bond Act 1915. Hearing January 16 Will Farley, city clerk. F. H. Lacy, town clerk.

SANTA BARBARA COUNTY, Cal.—As previously reported, bids will be received January 29 by State Highway Commission to grade and pave with concrete, 4 miles between Zaca and Wigmore. Project involves: 38 sta. clearing and grubbing right-of-way; 100,000 cu. yds. rdwy. excav. without class; 234,000 sta. yds. overhaul; 2550 cu. yds. struct. excav.; 44,500 sq. yds. subgrade for pave.; 1100 cu. yds. cushion course; 9550 cu. yds. class A conc. (pave.); 150 cu. yds. class A cem. conc. (struct.); 237,500 lbs. bar reinf. steel (pave.) and (struct.); 876 lin. ft. 18", 498 lin. ft. 24" and 202 lin. ft. 30" corr. metal pipe; 352 lin. ft. corr. metal pipe (clean and relay); 4.8 mi. new property fence; 3200 lin. ft. solid timber guard rail; 2050 cu. yds. removing and disposing of cem. conc. in existing pave. and struct.; 1000 bbls. fuel oil (shoulders); 211 sta. finish rdwy.; 33 monuments. State will fur. corr. metal pipe as more explicitly set forth in the special provisions.

SAN LUIS OBISPO COUNTY, Cal.—As previously reported, bids will be received January 29 by State Highway Commission to grade and pave with concrete, 7.2 miles between Santa Maria River and Los Berros Creek. Project involves: 157,250 cu. yds. rdwy. excav. without class; 700,000 sta. yds. overhaul; 3000 cu. yds. struct. excav.; 64,500 sq. yds. subgrade for pave.; 2900 cu. yds. cushion course; 17,250 cu. yds. class A cem. conc. (pave.); 885 cu. yds. class A cem. conc. (struct.); 500,000 lbs. bar reinf. steel (pave. and struct.); 425 tons crusher run base; 716 lin. ft. 18", 634 lin. ft. 24", 208 lin. ft. 36" and 62 lin. ft. 42" corr. metal pipe; 47 lin. ft. corr. metal pipe (clean and relay); 12.3 miles new prop. fence; 2215 cu. yds. removing and disposing of cem. conc. in existing pave. and struct.; 1815 bbls. fuel oil (shoulders); 335 stations finish rdwy.; 75 monuments. State will fur. corr. metal pipe and cast steel frames and covers for drop inlets.

PACIFIC GROVE, Monterey Co., Cal.—City council declares intention No. 3140 to improve 19th St., bet. Junipero and Sinex Aves., involv. grade; cem. conc. curbs, gutters; 3-in. crushed rock base with 2-in. asph. conc. surface pavement; concrete catchbasin. 1911 Act. Bond Act 1915. Hearing January 23. W. G. Stubbs, city clerk.

PACIFIC GROVE, Monterey Co., Cal.—City declares intention No. 3137 to improve 19th street, between Light-house Ave. and Junipero Ave., involv. grading; cement concrete curbs and gutters; asphalt concrete pave.; storm drains; vitrified clay sanitary lateral sewers. 1911 Act. Bond Act 1915. Hearing January 23. W. G. Stubbs, city clerk.

REDWOOD CITY, San Mateo Co., Cal.—County supervisors petitioned to straighten out dangerous sections of the La Honda Road, particularly on curves. County Surveyor Geo. A. Kneese instructed to make surveys. Funds will provide in the budget to finance the work.

OAKLAND, Cal.—Tieslau Bros., 2819 Grove St., Oakland, at \$4,635 submitted low bid to East Bay Municipal Utility District to construct approximately .63-mi. of Upper San Leandro road in connection with the Moke-lumne water project.

Pacific Coast Co., 2235 E 7th St., Oakland, at \$9,950 low to construct 1.4 miles of Upper Bar Road, in connection with the same project.

SISKIYOU COUNTY, Cal.—Following bids received January 8 by State Highway Commission to grade and surface with untreated crushed gravel or stone, 7.2 miles bet. Yreka and Klamath river:

Wren & Greenough, Portland, Oregon.....	\$571,626
C. R. Johnson, San Francisco.....	580,787
Kern & Kibbe, San Francisco.....	582,757
G. F. Atkinson, S. F.....	583,445
Nevada Contracting Co., Fallon Nevada.....	590,636
Marsh Bros. & Gadenler, Inc., San Francisco.....	600,275
T. M. Morgan Paving Co., Ga-zelle.....	613,574
H. E. Doering, Portland.....	616,129
A. C. Greenwood, Portland.....	619,087
Utah Const. Co., San Francisco.....	667,841
Ward Eng. Co., San Francisco.....	681,664

SANTA CLARA COUNTY, Calif.—Following bids received Jan. 8 by State Highway Commission to grade and pave. with Port. cement concrete and asph. const. 4.4 miles bet. San Francisco Creek and San Antonio Ave.: Hanrahan Co., 225 Bush St., San Francisco.....

Peninsula Paving Co., S. F.....	\$264,906
A. G. Ralsch, San Jose.....	280,001
A. S. Jose.....	281,764
C. W. Wood, Stockton.....	286,600
N. M. Ball, Porterville.....	297,027

SAN MATEO CO., Calif.—Following bids received Jan. 8 by State Highway Commission to grade 7.3 miles bet. San Mateo and Redwood City: Fredrickson & Watson & Fredrickson Bros., Oakland.....

H. W. Rohl Co., Los Angeles.....	\$466,145
Standard Dredging Co., Oak.....	411,194
MacDonald & Kahn, S. F.....	455,094
G. Pollock Co., Sacramento.....	466,338
Gist & Bell, Arcadia.....	471,955
Utah Const. Co., S. F.....	502,128
Marsh & Gardiner, S. F.....	504,662
Granfield, Farrar & Carlin, San Francisco.....	506,717
G. F. Atkinson Co., S. F.....	514,388
C. R. Johnson, S. F.....	539,401

LOS ANGELES COUNTY, Cal.—As previously reported, bids will be received by State Highway Commission to grade 1.5 miles between 1½ miles and 4 miles north from La Canada. Project involves: 78 stations clearing and grubbing right-of-way; 460,000 cu. yds. rdwy. excavation without classification; 3,000,000 station yds. overhaul; 5220 cu. yds. structure excavation; 950 cu. yds. Class "A"

cem. concrete (structures); 15 cu. yds. Class "E" cem. conc. (structures); 175 cu. yds. Class "F" cem. conc. concrete (structures); 170,000 lbs. bar reinforcing steel (structures); 1790 lin. ft. 24" and 360 lin. ft. 36" corrugated metal pipe; 1430 6" and 2680 10" reinforced concrete headers (cribbing); 2110 6" and 2740 8" reinforced concrete stretchers (cribbing); 2050 10" reinforced concrete stretchers (cribbing); 440 concrete filler blocks (cribbing); 78 stations finish rdwy.; 90 monuments. State will furnish corr. metal pipe.

SANTA CLARA, Santa Clara Co., Cal.—City trustees approve plans of Geo. Sullivan, city engineer, to pave with asphalt concrete Fremont St. from Madison to Sherman, Benton from Madison to Railroad Ave., Liberty from Madison to Lafayette, Liberty from Grant to Campbell Ave.; Lexington from Grant to Sherman, Lafayette from Franklin to Poplar, Alviso from Clay to Franklin and from Santa Clara to Poplar Street.

IMPERIAL COUNTY, Cal.—As previously reported, bids will be received by State Highway Commission January 22 to grade and pave with Port. cement concrete, 9 miles between El Centro and Holtville. Project involves: 30,000 cu. yds. rdwy. excav. without classification; 44,000 cu. yds. imported borrow; 181,500 sta. yds. overhaul; 2290 cu. yds. structure excavation; 12,650 sq. yds. subgrade for pavement; 500 cu. yds. untreated crushed gravel or stone surfacing; 14,800 cu. yds. sand cushion; 20,200 cu. yds. Class "A" cem. concrete (pavement); 170 cu. yds. Class "A" cem. concrete (structures); 508,200 lbs. bar reinforcing steel (pavement and structures); 10 lin. ft. 8", 1262 lin. ft. 12", 698 lin. ft. 18", 296 lin. ft. 24" and 24 lin. ft. 42" corrugated metal pipe; 903 lin. ft. corrugated metal pipe (clean and relay); 1410 lin. ft. 4" drain tile; 150 tons gravel blanket for siphons; 95 lin. ft. solid timber guard rail; 88 cu. yds. removing and disposing of cem. concrete in existing structures; 52,400 sq. yds. asphaltic membrane; 471 stations finish rdwy.; 20 monuments. State will furnish corr. metal pipe and band couplers for corrugated metal pipe extensions.

MARTINEZ, Contra Costa Co., Cal.—E. A. Hoffman, city engineer of Richmond, has completed plans and proceedings have been started by the county supervisors for improvements in Street Imp. District No. 4, involving the paving of west side of San Pablo Ave. and portions of Tular, Maricopa, Lowell and Rheem Aves., bet. the Richmond city limits and San Pablo Ave. Estimated cost \$13,485.

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Builders of Rosenberg Portable Car Unloaders

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Phone KEarny 1865

SAN FRANCISCO

RIVERSIDE COUNTY, Cal.—As previously reported, bids will be received January 22 by State Highway Commission, to pave with Port. cement concrete, 0.5 mile at Wineville. Project involves: 1300 cu. yds. rdwy. excavation without classification; 800 cu. yds. structure excavation; 11,100 sq. yds. subgrade for pavement; 1850 cu. yds. removing and disposing of existing concrete pavement and detour surfacing; 7400 mile yds. haul (existing pavement and detour surfacing); 2300 cu. yds. Class "A" cem. concrete (pavement); 130 cu. yds. Class "A" cem. concrete (structures); 415 cu. yds. Class "A" cem. concrete (slope paving); 400 cu. yds. Class "A" cem. concrete (curbs, gutters and walls); 101,000 lbs. reinforcing steel; 140 lin. ft. 18" extra strength reinforced concrete pipe; 680 lin. ft. 8" corrugated metal pipe; 25 stations finishing road-way; pumping equipment complete in place. State will furnish corr. metal pipe and cast steel frames and covers for drop inlets.

SAN JOSE, Santa Clara Co., Cal.—City council will start proceedings at once to pave Nineteenth St., between St. James and Washington Sts. Wm. Popp, city engineer.

TULARE COUNTY, Cal.—California Const. Co., Standard Oil Bldg., San Francisco, at \$240,106.50 awarded contract by State Highway Commission to grade and pave with asphalt concrete 8.6 miles between Pixley and Tipton, involving 150 trees removed and disposed of; 29,100 cu. yds. rdwy. excav. without class.; 3500 sta. yds. overhaul; 69,500 cu. yds. imp. borrow; 1050 cu. yds. struct. excav.; 17,900 sq. yds. subgrade for pave.; 135 cu. yds. class A cem. conc. (struct.); 11,400 lbs. bar reinf. steel (struct.); 34,500 tons asph. concrete; 7100 tons oil treated crushed gravel or stone borders; 64,150 sq. yds. asph. paint binder; 2300 bbls. fuel oil (shoulders and crusher run base); 90 lin. ft. 12-in., 1236 lin. ft. 18-in., 650 lin. ft. 24-in. and 62 lin. ft. 36-in. corr. metal pipe; 242 lin. ft. corr. metal pipe, part circle; 2.5-mi. move and reset prop. fence; 1350 cu. yds. remove and dispose of cement conc. in existing pave. and struct.; 132 cu. yds. drainage sumps; 2600 tons crusher run base; 115 lin. ft. laminated timber guard rail; 456 sta. finish roadway; 84 monuments. State will fur. corr. metal pipe, part circle pipe and cast steel frames and covers for drop inlets.

SACRAMENTO, Cal.—County Engineer Chas. Deterding Jr., preparing plans for shoulders on River Highway between Sacramento and the south boundary of the county.

SAN LUIS OBISPO COUNTY, Cal.—Until January 23, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete 7.2 miles between Santa Maria River and Los Berros Creek. C. H. Purcell, State Highway engineer.

See call for bids under official proposal section in this issue.

EL CERRITO, Contra Costa County.—Cal. City council petitioned to grade and gravel Macdonald Ave. east of Amador St., and a portion of Alta Punta Ave. Taken under advisement.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Works, completes plans to improve Utah St. bet. 18th and 19th Sts. and 19th St. bet. Utah and San Bruno Ave. Estimated cost \$24,000. Project involves 2950 cu. yds. excavation; 200 cu. yds. class B 2500 lb. concrete in walls, etc.; 50 lin.

ft. pipe rail fence; 17,000 lbs. bar reinf. steel; 500 lin. ft. 12-in. V. C. P. sewer; 350 lin. ft. 8-in. V. C. P. sewer; 220 lin. ft. 6-in. V. C. P. sewer; 13 12x6-in. Y or T branches; 13 8x6-in. Y or T branches; 7 brick manholes; 1 brick manhole converted to drop manhole; 1 drop manhole; 2 brick catchbasins; 1 brick catchbasin, reset; 1 storm water inlet; 60 lin. ft. 10-in. V. C. P. culverts; 1630 lin. ft. armored concrete curb; 20 lin. ft. conc. curb, reset; 3 tons asph. conc. wearing surface; 17,850 sq. ft. 6-in. class B conc. pave.; 5080 sq. ft. 2-course conc. sidewalk; 185 lin. ft. cem. mortar gutter; 2 wire riveted warning reflectors set in concrete; 1 wire-riveted warning reflector set on post. Est. cost \$24,000. M. M. O'Shaughnessy, city engineer.

LOS ANGELES, Cal.—Hall-Johnson Co., 906 Westminster St., Alhambra, at \$587,025 awarded contract by Board of Public Works to improve streets in Alhambra Ave. and Valley Blvd. Imp. Dist. involv. in the main, grading; 1-330,000 sq. ft. Warrenite-Bit. 2-in paving; curbs, walks; san. sewer; water system, etc.

SANTA ANA, Orange Co., Cal.—Geo. H. Oswald, 366 E 58th St., Los Angeles, at \$73,591 awarded contract by city to improve N Flower St. and portions of 19th St., etc. involv. in the main 170,000 sq. ft. 6-in. conc. pave., 15c sq. ft.; curbs, walks, etc.

SANTA ROSA, Sonoma Co., Calif.—County will start proceedings this year for two miles of concrete surfacing on Petaluma-Point Reyes road, at a cost of \$40,000 and for two miles of paving on the Healdsburg-Guerreño highway, estimated to cost \$40,000. E. A. Peugh is county surveyor.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Works, preparing plans to widen Army street, involving an expenditure of \$2,000,000. The first unit of the project will comprise that section between Potrero and San Jose avenues which will cost \$1,000,000. It is proposed to widen this unit to either 80 or 100 ft., depending upon which width is most feasible from an economic and traffic standpoint. M. H. O'Shaughnessy, city engineer.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City council will call election to vote bonds of \$120,000 to finance development of three public parks and to pave Orange Ave.

SANTA CRUZ, Santa Cruz Co., Cal.—W. E. Miller, 81 Church St., Santa Cruz, at \$1,946.48 awarded contract by city council to imp. portion of Rathburn Way involv. 5-in. cem. concrete pavement; cem. conc. curbs, walks, driveways approaches; vit. clay pipe sewer laterals. Thompson Bros., Santa Cruz, only other bidder, at \$1,625.51.

SAN MATEO, San Mateo Co., Cal.—City will start proceedings shortly to extend and widen North B St., estimated cost \$45,000; extend Ellsworth Ave. from 2nd Ave. to Baldwin Ave.; extend Palm Ave. now ending at 20th Ave. to Bell St.; extend Railroad Ave. from its present terminus at 14th Ave. to 26th Ave.; paving, etc., in streets of Homestead district; pave. 9th Ave. bet. South Hounboldt and Bayshore Blvd.; 10th Ave. bet. Claremont and Bayshore Blvd. and streets between 9th and 10th from Railroad Ave. to Bayshore Blvd. E. P. Wilsey is city manager.

TULARE COUNTY, Cal.—California Const. Co., Standard Oil Bldg., San Francisco, at \$240,109 submitted low bid to State Highway Commission to grade and pave with asph. conc. 8.6 miles bet. Pixley and Tipton. Project involves: 150 each, trees removed and disposed of; 29,100 cu. yds. rdwy. ex-

cav. without class.; 3500 sta. yds. overhaul; 69,500 cu. yds. imp. borrow; 1050 cu. yds. struct. excav.; 17,900 sq. yds. subgrade for pave.; 135 cu. yds. class A cem. conc. (struct.); 11,400 lbs. bar reinf. steel (struct.); 34,500 tons asph. concrete; 7100 tons oil treated crushed gravel or stone borders; 64,150 sq. yds. asph. paint binder; 2300 bbls. fuel oil (shoulders and crusher run base); 90 lin. ft. 12-in., 1236 lin. ft. 18-in., 650 lin. ft. 24-in. and 62 lin. ft. 36-in. corr. metal pipe; 242 lin. ft. corr. metal pipe, part circle; 2.5-mi. moving and reset prop. fence; 1350 cu. yds. remove and dispose of cem. conc. in existing pave. and struct.; 132 cu. yds. drainage sumps; 2600 tons crusher run base; 115 lin. ft. laminated timber guard rail; 456 sta. finish rdwy.; 84 monuments. State will fur. corr. metal pipe, part circle pipe and cast steel frames and covers for drop inlets. Next two low bidders were: Valley Paving and Const. Co., Visalia, \$244,175; A. Telcher and Son, Sacramento, \$247,054.

SANTA ROSA, Sonoma Co., Calif.—Contemplated road construction for the current year includes the grading the Annapolis-Skaggs Springs road, to cost \$18,000; Hilton Road grading, estimated to cost \$10,000, and the Armstrong Woods road, estimated to cost \$5,000. E. A. Peugh is county surveyor.

SANTA BARBARA COUNTY, Cal.—Until January 23, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete 4.0 miles between Zaca and Wignmore. C. H. Purcell, state highway engineer.

See call for bids under official proposal section in this issue.

KERN COUNTY, Cal.—George Herz and Co., San Bernardino, at \$242,768 submitted low bid to State Highway Comm. to grade and surface with oil treated crushed gravel or stone, 15 mi. bet. Cinco and 7 mi. north of Ricardo. Project involves: 174,000 cu. yds. rdwy. excav. without class., location 1; 54,000 cu. yds. rdwy. excavation without class., location 2; 605,000 sta. yds. overhaul; 2400 cu. yds. struct. excav.; 690 cu. yds. rock backfill (overflow dips); 11,500 cu. yds. binder for subgrade; 4700 M gals. water applied to subgrade and surf.; 33,400 tons crusher run base; 24,600 tons oil treated crushed gravel or stone surf.; 900 cu. yds. crushed gravel or stone screenings (seal coat); 700 bbls. fuel oil (seal coat); 72 cu. yds. class A cem. conc. (struct.); 695 cu. yds. class A cem. conc. (pave. dips); 17,500 lbs. bar reinf. steel (pave. dips and struct.); 90 cu. yds. remove and dispose of existing cement conc. (pave. dips); 1712 lin. ft. 18-in., 208 lin. ft. 24-in., 570 lin. ft. 30-in., 100 lin. ft. 36-in. and 60 lin. ft. 42-in. corrugated metal pipe; 1.8 miles move and reset property fence; 792 sta. finish rdwy.; 107 monuments. State will fur. corr. metal pipe. Next two low bidders were: Mutual Income Properties Co., Inc., Los Angeles, \$249,805; G. W. Ellis, Glendale, \$263,815.

SAN JOSE, Santa Clara Co., Calif.—City declares inten. (4955) to improve portions of Waco St. bet. Hamline and Newhall Sts., involving grade; 1 1/4-in. sph. concrete surface pave. on 2 1/2-in. asph. conc. base; cem. conc. curb and gutter; san. brick manhole. 1911 Act. Hearing Jan. 13. John J. Lynch, city clerk. Wm. Popp, city eng.

CARMEL, Monterey Co., Cal.—Petition may be placed before city trustees for extensive paving work, to include 6th St. between Monte Verde and Junipero and Monte Verde, Lincoln, Dolores and Mission Sts. between 6th and Ocean.

LOS ANGELES, Calif.—Martter and Beck, 1007 S Harvard Blvd., awarded contract by the board of public works at \$259,886.79 for imp. Monterey Road bet. Pullman St. and Huntington Dr. (north), 5892 ft. center line length, involving in the main: 316,390 sq. ft. 8-in. conc. pave.; storm drain; sanitary sewer; water system; ornam. light conduit; retaining walls.

LONG BEACH, Cal.—Until 2:30 P. M., Jan. 14, bids will be rec. by city to improve Atlantic Ave. bet. 52nd and 61st Sts., involving: grading; 106,005.96 sq. ft. 7-in. conc. paving; conc. gutter; curb; walk; sanitary sewer. 1911 Act.

PHOENIX, Ariz.—Arizona highway department has announced that the state will expend \$2,054,317.07 on new highway construction and repair contracts during the first six months of 1930. The 1929-1930 budget called for \$5,097,035 for the fiscal year, representing work to be done on 53 projects; of that number 19 remain to be started. Uncontracted 1929-30 budget jobs include Benson-Vall over-pass, \$9,150; the Benson-Douglas road, \$60,000; Tempe Bridge, \$250,000; Phoenix-Yuma, \$8282; Phoenix-Wickenburg rd. \$24,555; Florence-Tucson road, \$329,500; Tucson-Nogales road, \$66,000; and Nogales street paving, \$40,000.

PALO ALTO, Santa Clara Co., Cal.—Proceedings will be started to imp. the following streets during the current year, it is announced by J. F. Byxbee, Jr., city engineer: Palo Alto Ave. bet. Bryant and Waverley Sts., Middlefield road bet. Pope St. and Palo Alto Ave. and Hamilton Ave.; Hale St. bet. Palo Alto Ave. and University Ave.; all of Fife and Boyce Aves.; Addison Ave. bet. Guinda St. to Fife Ave.; portions of Dana St. and Forest Ave. in Duffield Subdivision; Channing Ave. bet. Melville Ave. and Newell Road; Harker Ave. from Melville Ave. to Newell Rd.; Hopkins Ave. bet. Harriet Ave. and Newell Rd.; Melville Ave. from Channing Ave. to Fulton St.; Webster St. bet. Melville Ave. and Embarcadero Rd.; Embarcadero Rd. bet. El Camino Real and Alma St.; Santa Rita Ave. bet. Waverley St. to Cowper St.; Washington Ave. between Waverley St. and Cowper St.; California Ave. bet. Alma St. and El Camino Real; all streets in College terrace not paved, with exception of Oxford and Cambridge Aves.; Cambridge Ave. between Williams and El Camino Real.

SAN FRANCISCO—See "Government Work and Supplies," this issue. Bids wanted by Lighthouse Service for redwood tanks, derrick installations, roadways, piping system, etc.

OROVILLE, Butte Co., Cal.—Surveys have been completed for the proposed Deer Creek road connecting the Humboldt with the Red Bluff-Susanne highway and negotiations will be started shortly between Butte county and the U. S. Bureau of Public Roads for its construction. Will be approx. 16 miles from the Hall sheep camp thru the Deer Creek canyon to a point on the Red Bluff-Susanne Highway nr. Deer Creek Meadows.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Pay Imp. Co., Phelan Bldg., San Francisco, submitted low bid to city (68) to improve portion of Linden Ave. bet. Railroad and San Bruno Aves., involv. grading; hyd. conc. curbs, gutters, walks; 6-in. hyd. conc. conc. base, 2-in. asph. concrete surface pavement; storm water sewers with catchbasins; 36 electroliters of hollow-spun granite (Westinghouse Belmont design), together with underground system; vit. san. sewer; 7 br. manholes; 22 4-in. vit. pipe laterals with wyes. Seven other bids

were received and referred to the city engineer for report.

REDWOOD CITY, San Mateo Co., Cal.—Until Feb. 3, bids will be received by Elizabeth M. Kneese, county clerk, to improve the Alpine Memorial Park road; estimated cost \$30,000. Plans obtainable from County Surveyor Geo. A. Kneese.

MARTINEZ, Contra Costa Co., Cal.—E. A. Hoffman, city engineer of Richmond, has completed plans and proceedings have been started by the county supervisors for improvements in Street Imp. District No. 3, just outside the Richmond city limits, involving the widening of Lowell Ave. and 36th St. and widening and extension of Humphrey Ave.; estimated cost \$26,461.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor Geo. A. Kneese making surveys to extend Belton avenue to proposed link in the Bayshore Highway between San Mateo and Redwood City.

KERN COUNTY, Cal.—As previously reported, bids will be received January 22 by State Highway Commission to grade and surface with oil treated crushed gravel or stone, 9.7 miles bet. San Emigdio Road and Route Four. Project involves: 72,300 cu. yds. rdwy. excavation with classification; 302,100 sta. yds. overhaul; 1500 cu. yds. structure excavation; 23,900 tons untreated crushed gravel or stone surfacing (base course); 21,000 tons oil treated crushed gravel or stone surfacing; 700 tons crushed gravel or stone screenings (seal coat); 460 bbls. fuel oil (seal coat); 2700 bbls. pipe line run oil (base course); 110 cu. yds. Class "A" cement concrete (structures); 4400 lbs. bar reinforcing steel (structures); 48 lin. ft. 12", 3608 lin. ft. 18", 336 lin. ft. 24" and 144 lin. ft. 30" corrugated metal pipe; 19.5 miles new property fence; 12 gates in property fence; 549 stations finish rdwy.; 40 monuments. State will furnish corr. metal pipe and cast steel frames and covers for drop inlets.

SAN FRANCISCO—Department of Engineering, Board of Public Works, completes plans to improve Alpha St., between Wilde and Campbell Aves., under Contract No. 1, involving 1560 cu. yds. excavation; 269 cu. yds. Class B 2500 lb. concrete in wall and fence posts; 530 lin. ft. (single rail) 4x4-in. precast fence rail; 21,000 lbs. bar reinforcing steel; 990 lin. ft. 12-in., 250 lin. ft. 8-in. and 120 lin. ft. 6-in. V. C. P. sewer in place; 21 12x6-in. Y or T branches; 4 8x6-in. Y or T branches; 11 brick manholes; 10 brick catchbasins; 230 lin. ft. 10-in. V. C. P. culverts; 50 lin. ft. timber guard rail; 21,000 sq. ft. 8-in. waterbound macadam pavement; three 9-unit warning reflectors set on posts; 2 ballustrades warning lights. Estimated cost, \$16,465. M. M. O'Shaughnessy, city engineer.

SAN FRANCISCO — Department of Engineering, Board of Public Works, completes plans to improve Davidson Ave., between Third and Lange Sts.; Newhall Ave., bet. Davidson and Evans Aves. and Lane St., between Davidson and Evans Ave., involving 600 cu. yds. cut; 25,000 cu. yds. fill. Estimated cost \$13,000. M. M. O'Shaughnessy, city engineer.

SANTA ROSA, Sonoma Co., Cal.—Proceedings will be started this year to pave final 10 miles of the Healdsburg-Callistoga highway through Alex-

ander Valley, the work to be financed jointly by Sonoma and Napa counties and the state. Approximately \$130,000 will be required to complete the stretch from Jintown to the Napa County line.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes plans to improve Sanchez St., bet. 21st and Hill Sts. and crossings of 21st and Sanchez and 21st and Hill Sts., involving 5100 cu. yds. cut; 693 lin. ft. armored concrete curb; 4400 sq. ft. 1-course concrete sidewalks; 240 lin. ft. 8-in. V. C. P. sewer; 2 brick manholes and appurtenances; 11 8x6-in. wy. branches; 192 lin. ft. 6-in. V. C. P. side sewer; 1500 sq. ft. 6-in. Class E concrete pavement; 15,150 sq. ft. asph. conc. pavement consisting of 2-in. asph. conc. surface on 6-in. Class F conc. base. Estimated cost \$11,000. M. M. O'Shaughnessy, city engineer.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission St., Phone KEarny 1252.

17018—Representation, New York, N. Y. Representative of a company with offices in Lima, Peru, Santiago, Chile, and Panama City, is in New York for the purpose of getting in touch with firms interested in being represented in the above mentioned cities. They are interested in pharmaceutical products, cement, moving picture films, etc.

PHILADELPHIA, Pa. — Stavisky Bros., Inc., Marshall St. and Hunting Park Ave., Philadelphia, desire to get in touch with some concern engaged in the manufacture of alginate, a by-product of seaweed.

BROOKLYN, N. Y. — Royal Grape Fruit Shading Co., 481 Eastern Parkway, Brooklyn, is interested in securing party or firm to handle a paper grape fruit shield, "to prevent the usual spattering of juice."

WICHITA, Kansas.—R. Benj. Davis, P. O. Box 492, Wichita, Kansas, is interested in securing manufacturing and commercializing firm to represent its manufacture, distribution, sale etc., throughout such exclusive territory as they may secure, of the above

AJAO, Ariz.—J. R. Benton, Box 21, Ajao, Ariz., offers two-thirds of briquet machine invention to company or individual who will cover cost of patent, construction and installation of one machine.

\$5,475,533 POWER PLANT SUIT IS FILED

Suit to recover more than \$5,000,000 on a contract has been filed in San Francisco by Robert C. Storrie and Robert D. Muir, co-partners in R. C. Storrie & Co., against the Feather River Power Company and three other defendants.

According to the complaint the Storrie Company contracted for the construction of Buck's Creek power plant in Plumas county at an original estimated cost of \$7,691,889. Later the contract was abrogated and the plans and specifications changed, bringing the cost up to \$9,903,006.10. On a verbal agreement they completed the project. In payment, they charge, they have received only common stock of the Feather River Power Company of no value.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

1 Alberti	Owner	1000
2 Doelger	Owner	12000
3 Stevens	Owner	4000
5 Seeliger	Hardy	2475
6 Union	Owner	1500
7 Doughty	Vigneau	1400
8 Nielsen	Owner	4000
9 De Martini	Harms	3000
10 McKean	Owner	1000
11 Anderson	Owner	4000
12 Grahn	Owner	8000
13 McDonough	Owner	4500
14 Vogel	Owner	4000
15 Laguens	Larsen	5000
16 Millar	Jenkins	1900
17 Ohe	Owner	6000
18 Costello	Owner	8000
19 Arnott	Owner	4000
20 Roof	Martinelli	2000
21 Doe	Jacks	1500
22 Bjorkman	Owner	7000
23 McCann	McCann	4000
24 Watson	Owner	1500
25 Hughes	Owner	4000
26 Epp	Owner	10000
27 Gianotti	Owner	4000
28 Pacific	Owner	5000

ALTERATIONS

- (1) 4090 26th ST.; alterations to repair fire damage.
Owner—O. Alberti, Sacramento, Cal., care 1071 Valencia St.
Architect—None. \$1000

DWELLINGS

- (2) W 38th AVE. 150 S Judah St.; three 1-story and basement frame dwellings.
Owner—H. Doelger, 1391 8th Ave.
Plans by owner. each \$4000

DWELLING

- (3) E 39th AVE. 25 N Kirkham; one-story and basement frame dwelling.
Owner—H. Doelger, 1391 8th Ave.
Architect—None. \$4,000

FLATS

- (4) E 27th AVE. 150 N Fulton St.; 2-story and basement frame (2) flats.
Owner—C. A. Stevens, 629 33rd Ave.
Architect—None. \$8000

ALTERATIONS

- (5) 3318 MISSION ST. and 33 29th St.; alterations to market.
Owner—L. W. Seeliger, 1429 Page St.
Architect—None.
Contractor—A. M. Hardy, 212 Ritch St. \$2475

ADDITION

- (6) 1198 EVANS AVE.; addition of 1 story to present building.
Owner—Union Prod. Co., 1198 Evans Ave.
Architect—None. \$1500

ADDITION

- (7) 1125 CORTLAND AVE.; addition of three rooms to dwelling and alterations.
Owner—H. Doughty, 1125 Cortland Ave.
Architect—None.
Contractor—J. Vigneau, 21 Landers St. \$1400

DWELLING

- (8) S LINCOLN WAY 50 W 40th Ave. 1-story and basement frame dwelling.

Owner—G. S. Nielser, 150 10th Ave.
Architect—None. \$4000

BUILDING

- (9) NE COR FOURTH & Shipley; 1-story concrete light industrial bldg.
Owner—G. De Martini, 1217 Stanyan.
Architect—None.
Contractor—R. Harms, 1217 Stanyan. \$2000

ALTERATIONS

- (10) 624 VAN NESS AVE.; alterations to store.
Owner—McKean Bros., 624 Van Ness Ave.
Architect—None. \$1000

DWELLING

- (11) W 31st AVE. 175 N Taraval; one-story and basement frame dwelling.
Owner—N. W. Anderson, 2427 24th Avenue.
Architect—None. \$4000

DWELLINGS

- (12) E PENINSULA 248 S Lathrop; two 1-story and basement frame dwellings.
Owner and builder—W. H. Grahn, 2965 Mission St.
Architect—None. each \$4000

DWELLING

- (13) W 28th AVE. 100 S Irving; one-story and basement frame dwelling.
Owner—J. J. McDonough, 1226 18th Avenue.
Architect—None. \$4500

DWELLING

- (14) N 19th ST. 83 E Douglas; one-story and basement frame dwelling.
Owner—H. Vogel, 1145 Pine St.
Architect—F. Mayer, 1145 Pine St., Apt. 21. \$4000

DWELLING

- (15) NW DARIEN WAY 50 SE Westgate; 1-story and basement frame dwelling.
Owner—Laguens and Larsen, 365-369 Ashton Ave.
Architect—None.
Contractor—S. Larsen, 365 Ashton Ave. \$5000

ALTERATIONS

- (16) 71 RANDALL ST.; alterations to adjust dwelling to new grading.
Owner—Mr. Miller, 71 Randall.
Architect—None.
Contractor—Jenkins and Gross, 3433 Market St. \$1900

ALTERATIONS

- (17) 773 MARKET ST.; alterations and additions for cafe.

Owner—F. H. Ohe, care architect.
Architect—J. E. Krafft & Sons, Phelan Bldg. \$6,000

DWELLINGS

- (18) E 22nd AVE. 275 N Rivera; two 1-story and basement frame dwellings.
Owner—L. Costello, 382 27th Ave.
Architect—None. each \$4,000

DWELLING

- (19) W CECILIA 276 N Santiago; 1-story and basement frame dwelling.
Owner—J. A. Arnott, 633 Taraval St.
Architect—None. \$4,000

ALTERATIONS

- (20) NW BROADWAY and Kearny; alterations to cafe.
Owner—Roof Garden Cafe, 506 Broadway.
Architect—None.
Contractor—J. Martinelli, 666 Mission. \$2,000

ALTERATIONS

- (21) S SUTTER 120 W Kearny; alterations to store.
Owner—Doe Estate Co., 43 Main St.
Architect—Hyman & Appleton, Foxcroft Bldg.
Contractor—Jacks & Irvine, 74 New Montgomery St. \$1500

DWELLINGS

- (22) NE CONCORD 225 SE Morse; two 1-story and basement frame dwellings.
Owner—V. Bjorkman, 5463 Mission St.
Architect—None. each \$3500

DWELLING

- (23) 191 EDGEWOOD; one-story and basement frame dwelling.
Owner—Leo McCann, 227 Edgewood.
Architect—Mrs. S. C. McCann.
Contractor—C. F. McCann, 227 Edgewood. \$4000

ALTERATIONS

- (24) 569 BELVEDERE AVE.; alteration of first story and add second story.
Owner—E. Watson, 3 Appleton Ave.
Plans by D. K. Dobkowitz, 425 Monterey Blvd. \$1500

DWELLING

- (25) W 41st AVE 200 S Judah; one-story and basement frame dwelling.
Owner—T. Hughes, 605 O'Farrell St.
Plans by Owner. \$4000

APARTMENTS

- (26) SW COR. PACIFIC and Buchanan; six-story and basement class C (36) apts.
Owner—I. Epp & Sons, 4745 Geary St.
Architect—None. \$100,000

DWELLING

- (26) W MOULTRIE 225 S Eugenia; 2-story and basement frame dwelling.
Owner—C. Gianotti, 241 Farallones St.
Designer—L. Dallorso, 32 Jansen St. \$4000

ALTERATIONS

- (27) F REALE 160 E Market St.; alterations to office and light industrial building.
Owner—Pacific Gas & Electric Co., 245 Market St.
Plans by Owner. \$5,000

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

1	De Martini	Harms	17847
2	Shell	Knowles	35497
3	Kolsberg	Kolsberg	6500
4	Harris	Diamond	3805
5	Duff	Weisendunk, Jr	

BUILDING

(1) NE FOURTH ST. 20 SE Folsom St. SE 140 NE 57-6; all work on 1-story reinforced concrete building.

Owner—G. De Martini, 2574 17th Ave. Engineer—J. M. Smith, 251 Kearny St. Contractor—R. R. Harms, 1217 Stanton St.

Filed and Dated Jan. 2, 1929.

Fire wall poured	\$4461.75
Roof on	4461.75
Completed	4461.75
Usual 35 days	4461.75

TOTAL COST, \$17,847
Bond, \$8922.50. Sureties, Fidelity and Casualty Co. Limit, 40 days. Plans and Spec. filed.

PLASTERING

(2) N BUSH and W Battery N 137-6 W 137-6 S 57-6 E 20 S 80 E 117-6

Plain plastering work for building. Owner—Shell Oil Co.

Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.

Contractor—A. Knowles, Call Bldg., San Francisco.

Filed Jan. 3, '30. Dated Nov. 26, '29.

On 10th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$35,497
Bond, \$17,743.50. Surety, U. S. Guarantee Co. Limit, April 15, 1930. Forfeit, none. Plans and specifications filed.

BUNGALOW

(3) NW BURROUGHS 55 NE Hamilton Lot 20 Elk 35, Railroad Ave. Hd. Assn. All work for five-room bungalow.

Owner—Fredricka Kolsberg. Architect—None.

Contractor—T. Kolsberg, 471½ Sanchez St., San Francisco.

Filed Jan. 3, '30. Dated Nov. 20, '29.

As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$6500
Bond, none. Limit, Feb. 20, 1930. Forfeit, plans and specifications, none.

STORE FRONT

(4) 18 SACRAMENTO ST.; all work on store front.

Owner—Joe Harris. Architect—Couchot and Rosenwald, 60 Sansome St.

Contractor—Diamond Patent Show Case Co., 298 8th St.

Filed Jan. 6, 1930. Dated Jan. 3, 1930

Completion..... 75%
Usual 35 days..... 25%

TOTAL COST, \$3805
Plans and Specifications filed.

RESIDENCE

(5) E GIRARD 60 N Wayland 40x45; all work on 6-room and garage residence.

Owner—Clarence K. and Eveleen C. Duff, 142 Wayland St.

Architect—None. Contractor—A. A. Wesendunk Jr., 1625 San Jose Ave.

Filed Jan. 8, 1930. Dated Dec. 31, 1929.

Roof on..... \$1246.25
Brown coated..... 1246.25

Completed..... 1246.25
Usual 35 days..... 1246.25

TOTAL COST, \$4985.00
Limit, 90 days.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded..... Accepted

Jan. 8, 1930—S NORTH POINT 112-6 E Broderick E 52-6 S 137-6 W

27-6 N 25 W 25 N 112-6. Viggo & Christine Rasmussen to whom it may concern..... January 8, 1930

Jan. 7, 1930—LOT 28-1½x80-0½x88-9x28-1½ on W Alpine Tract dist 32-6½ S of Duboce Ave. F C & Hanley S of Giannini to Patrick Hurley..... January 7, 1930

Jan. 7, 1930—BEING 125 W GENESEE on N Judson running W 25 having uniform depth of 80-7. John Leregan to whom it may concern..... January 7, 1930

Jan. 8, 1930—N OAKDALE AVE 50 E Newhall known as 1686 Oakdale Ave. Joseph Azzopardi to Thomas F Loftus..... December 31, 1929

Jan. 8, 1930—S ORTEGA 95 W 8th Ave W 25 x S 100. Thos Hughes to J G Lehman..... January 6, 1930

Jan. 6, 1930—NW 27th AVE & Kirkham 25x82-6. A Hallgren to whom it may concern..... January 6, 1930

Jan. 6, 1930—S MARINA BLVD E Baker St 33 x S 137-6, No 777 Marina Blvd. F H Tyler to G T Murray & Co..... January 6, 1930

Jan. 6, 1930—E CAPP 197-6 N 21st 27-6 x E 123-6. Morris and Sol Friedman to Ben D Rintoul, Geo Y Morton Co..... December 28, 1929

Jan. 6, 1930—E 35th AVE 100 S Judah S 25 x E 120. Theodore Ernst to John R Lindsay..... December 31, 1929

Jan. 6, 1930—S FRANCISCO 118-9 W Divisadero W 25 x S 137-6. Virgil and Lena De Martini to Sbarboro & Jorgensen..... December 28, 1929

Jan. 6, 1930—STOCKTON ST. bet Pine and California Sts. Metropolitan Life Ins Co to J G Williams Const Co..... December 28, 1929

Jan. 4, 1930—S BAY 163-6 W Baker W 26 x S 93. St George Holden to whom it may concern..... Dec. 30, 1929

Jan. 4, 1930—23th AVE 125 S Irving 4, 25x120. John J De Donato to whom it may concern..... Dec. 31, 1929

Jan. 4, 1930—W 32nd AVE 250 N Judah N 25 x W 120. C L Pequillan to E Vogel..... Dec. 31, 1929

Jan. 4, 1930—W 31st AVE 125 S Irving S 25 x W 120. Arvid Peterson..... January 3, 1930

Jan. 4, 1930—W 31st AVE 125 S Irving S 25 x W 120. Arvid Peterson..... January 3, 1930

Jan. 2, 1930—LOTS 13 and 14 BLK 6965B Map Sub No 1, Geneva Terraces. California Pacific Title and Trust Co to whom it may concern..... December 31, 1929

Jan. 3, 1930—W 22nd AVE 75 N Ulloa N 25 x W 82-6. J V Westerlund to whom it may concern..... January 2, 1930

Jan. 3, 1930—W SANCHEZ 25 N Liberty N 25 x W 80. J W Couch to Harry Apte..... January 2, 1930

Jan. 3, 1930—LOT 23 BLK 5838 St Mary's Park. The Roman Catholic Archbishop of S F to Andrew R Johnson..... December 30, 1929

Dec. 31, 1929—N JACKSON 137-6 W Octavia W 112-6 x N 127-84. R J & K O'Brien to whom it may concern..... December 23, 1929

Dec. 31, 1929—S RANDALL 195 W Chenery. James Durkin to Henry Erickson..... December 28, 1929

Jan. 2, 1930—PTN BLK 306 Potrero Nuevo Tract. George Wagner to whom it may concern..... Dec. 6, 1929

Jan. 2, 1930—NW UNION & Leavenworth W 66 x N 137-6 to S Havens. La Mirada to whom it may concern..... December 31, 1929

Jan. 2, 1930—65 MARKET ST. Southern Pacific Co to A P Knech..... December 31, 1929

Jan. 2, 1930—LOT 2 BLK 2988-A known as 20 Santa Clara Avenue. Mary C Drake to Moore & Madden..... December 28, 1929

LIENS FILED

SAN FRANCISCO COUNTY

Recorded..... Amount

Jan. 8, 1930—NW GRAND VIEW AVE 175-8½ SW Morgan Alley SW 24-10½ N 77° 45' W 165 NE 25-3 SE 161-½. City Sash & Door Co vs J B and Jane Doe Hensel..... \$426.85

Jan. 7, 1930—W DOUGLASS 51-6 N Elizabeth N 25 x W 100. R Paratore as Independent Bldg Const Co vs Henry H and Lena D Hopper and Lena D F Harris..... \$38.31

Jan. 7, 1930—S ORTEGA 95 W 8th Ave W 25 x S 100. Nafe & Sheppard vs J G Lehman..... \$135

Jan. 3, 1930—E ALABAMA ST 272-6 S 25th St S 27-6 x E 100. L Fessenden vs C Chandler and J P and A Donahue..... \$182.25

Jan. 3, 1930—E 18th AVE 100 S Lincoln Way S 25 x E 120. Carleole Wall Paper Co Inc vs Thos Hamill, Thos Hamill Bldg Co, Max and E Kruger..... \$74.26

Jan. 3, 1930—1214, 1214A, 1214B, 1214C 1214D, 1212, 1212A Scott St. M O'Connor vs P Levin and N Bronstein..... \$391

an. 3, 1930—1214, 1214A, 1214B, 1214C 1214D, 1212, 1212A Scott St. Michael O'Connor vs Phillip Levin..... \$391

Jan. 3, 1930—PTN LOT 8 BLK 22, Market St Hd Assn. F W Knipscher as F W Kay Co vs J B Hensel..... \$60

Jan. 2, 1930—E 18th AVE 100 S Lincoln Way S 25 x E 120. Scott Co, Inc vs Max and E Kruger and Thos Hamill Bldg Co..... \$4628

Jan. 2, 1930—NE GENEVA AVE 100 NW Bannock St NW 75 x NE 240-28. A G Raisch vs Wm and Virginia Varni..... \$2080

Jan. 2, 1930—S FULTON 106-3 West Masonic Ave W 50 x S 100. Harry H Roberts and James W Farmer vs Alice H Kinsey, Neva Johnston and G Y Morton Co..... \$122

Dec. 31, 1929—E 18th AVE 100 S Lincoln Way S 25 x F 120. A Jensen vs Thos Hamill Bldg Co, Max and Eugenia Kruger..... \$85

Dec. 31, 1929—E 28th AVE 150 South Kirkham S 25 x E 120. Atlas Heating & Ventilating Co Inc vs De Witt T Marshall..... \$25

Dec. 31, 1929—S FULTON 106-3 W Masonic Ave W 50 x S 100. E A Cornely, Inc vs Alice Hulse Kinsey Neva H Johnston and George Y Morton Co..... \$718.50

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded..... Amount

Jan. 6, 1930—N MARKET 192-2 West Larkin W 164-9½ N 54° 14' 9" N Market 60-4 W 110 on E Polk N 144 E 42 N 27 to S Hayes S 170 S 76° 41' 40" S 132-2. D Zelinsky & Sons, Inc to Capital Company and MacDonald & Kahn, Inc.....

Jan. 6, 1930—N MARKET 192-2 West Larkin W 164-9½ N 54° 14' 9" N Market 60-4 W 110 on E Polk N 144 E 42 N 27 to S Hayes S 170 S 76° 41' 40" S 132-2. Otis Elevator Co to Capital Co, Wm Fox Co, MacDonald & Kahn, Inc.....

Jan. 6, 1930—SE POLK & HAYES E and alg S Hayes to inter with NW Market SW alg NW Market to pt inter thereof with E Polk N alg E Polk to beg. Price Teltz Co; The Turner Co, to Capital Co, Wm Fox Co & MacDonald & Kahn Inc.....

Jan. 4, 1930—E MANCHESTER 100 S Stoneman S 25 x E 80 lot 18 blk 5544 Assessor's Map. Eator and Smith to J H Rolland.....

Jan. 4, 1930—SE VESTA 125 SW Thornton Ave 50 SE 180 NE 52.05 m or 1 NW 192 Lots 24 and 25 Assessor's Blk 5404. Olaf Fagerstrom to A L Stahl, J G Charlier and E L Phelps..... \$79.14

Dec. 31, 1929—N LAKE 61 E 8th Ave
E 40 x N 72. Jesse Chay to Miriam
Coe

BUILDING PERMITS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
1939	Converse	Owner	3500
1940	De Carlo	Morango	2500
1941	Farosch	Roth	1000
1942	Blackman	Webb	1300
1943	Hatch	Paige	14500
1944	Pacific	Barrett	35000
1945	State of Calif	Bishop	12030
1946	Curryer	Stade	12030
1	Arthur	Owner	4000
2	Johnstore	Owner	2500
3	Minney	Owner	1500
4	Miller	Abdor	5750
5	Sigwald	Owner	7000
6	Rosenberg	Brown	1000
7	Unterburger	Independent	2323
8	Olson	Owner	9500
9	McCord	Owner	1900
10	Nathanson	Owner	1900
11	Weisbred	Pplvock	14000
12	City of Alameda	Grodem	19300
13	Women's	Parker	200000
14	Gross	Owner	6000
15	Prentis	Owner	3000
16	Weber	Owner	1000
17	Brooklyn	Scofield	2300
18	Rose	Netherby	4000
19	Superior	Gaubert	13000

20	Richard	Jensen	5000
21	S F Baptist Union	Owner	6000
22	Townsend	Owner	5500
23	Lehman	Owner	3500

ALTERATIONS
(1938) NO. 1415 PARK ST., Alameda.
Alterations.
Owner—Mary E. Beohmer, Altenheim
St., Oakland.
Architect—None.
Contractor—V. E. Thorp, 1717 Ala-
meda Ave., Alameda. \$1000

RESIDENCE
(1939) NO. 1237 BERKELEY WAY,
Berkeley; one-story 5-room 1-fam-
ily frame residence.
Owner—E. R. Converse, 1088 53rd St.,
Oakland.
Architect—None. \$3500

RESIDENCE
(1940) 1527 WOOLSEY ST., Berkeley;
one-story 6-room 1-family frame
residence.
Owner—V. B. DeCarlo, 424 McAuley
St., Oakland.
Architect—R. S. Hawley, 1091 43rd St.,
Oakland.
Contractor—Joe Morango, Claremont
Ave., Oakland. \$2500

ALTERATIONS
(1941) 2036 BUENA VISTA AVE., Ala-
meda; alterations.
Owner—Mrs. M. Farosch, 2036 Buena
Vista Ave., Alameda.
Architect—None.
Contractor—Conrad Roth, 2101 Central
Ave., Alameda. \$1000

WAREHOUSE
(1942) E 42nd AVE. 200 SE 14th St.,
Oakland; one-story warehouse.
Owner—Blackman-Anderson Co., 1222
42nd Ave. Oakland.
Architect—None.
Contractor—Webb & Whallin, 2930 22nd
Ave., Oakland. \$1300

DWELLING
(1943) N BEECHWOOD DRIVE, 100
E Country Club Drive, Oakland;
two-story 8-room dwelling.
Owner—Robt. E. Hatch.
Architect—Arthur F. Dudman, 1729
Arch St., Berkeley.
Contractor—Harold L. Paige, 5651 Oak
Grove Ave., Oakland. \$14,500

BANK & STORE
(1944) W BROADWAY 125 S 14th St.,

Oakland; two story concrete bank
and store building.
Owner—Pacific States Auxiliary Corp.,
745 Market St., San Francisco.
Architect—Albert Roller, 1st National
Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco. \$35,000

OFFICES
(1945) SW COR. TELEGRAPH AVE.
and 36th St., Oakland; 1-story con-
crete office building and addition.
Owner—State of California, Sacra-
mento.
Architect—Geo. B. McDougall, Sacra-
mento.
Contractor—J. B. Bishop, 587 Athol
Ave., Oakland. \$12,030

DWELLING
(1) S TULLY PLACE 38 W Hillmont,
Oakland; one-story 5-room dwell-
ing.
Owner and builder—Wm. Arthur, 5717
E 16th St., Oakland.
Architect—W. W. Dixon, 1844 5th Ave.,
Oakland. \$4000

DWELLING
(2) E 101st AVE. 183 S Walnut, Oak-
land; one-story 5-room dwelling.
Owner and builder—J. D. Johnstone,
1310 94th Ave., Oakland. \$2500
Architect—None.

ADDITION
(3) 2929 32nd AVE., Oakland; addi-
tion.
Owner and builder—E. T. Minney, 3200
Foothill Blvd., Oakland.
Architect—None. \$1500

STORE
(4) SW COR. 24th & GROVE STS.,
Oakland; one-story brick store.
Owner—Frederick A. Miller, 1537 23rd
Ave., Oakland.
Architect—L. F. Hyde, 372 Hanover
St., Oakland.
Contractor—O. F. Abdon, 754 60th St.,
Oakland. \$5750

DWELLING
(5) S CLARENDON CRESCENT 45
N Longridge Road, Oakland; two-
story 6-room dwelling.
Owner and builder—Sigwald Bros., 916
Alma Ave., Oakland. \$7000
Architect—None.

ALTERATIONS
(6) FEDERAL HOTEL, Fifteenth &
Broadway, Oakland; alterations.
Owner—Rosenberg.
Architect—None.
Contractor—Henry Brown, 1337 32nd
St., Oakland. \$1000

CLEANING WORKS
(7) SE COR. 24th & FILBERT STs.,
Oakland; one-story brick and tile
cleaning works.
Owner—W. Unterburger, 24th and Fil-
bert Sts., Oakland.
Architect—R. C. Schuppert, 4637 Park
Blvd., Oakland.
Contractor—Independent Cleaners.
\$2825

DWELLING
(8) S ACACIA 234 W Piedmont Path.
Oakland; two-story 7-room dwelling.
Owner and Builder—J. M. Olson, 974
Park St., Alameda.
Architect—None. \$9600

DWELLING
(9) S DAVENPORT ST. 45 E Kap-
han. Oakland. One-story 4-room
dwelling.
Owner—J. A. McCord, 3458 Davis St.,
Oakland.
Architect—None. \$1900

ADDITION
(10) NO. 1506 FOURTH AVE., Oak-
land. Addition.
Owner—L. Nathanson, 1806 4th Ave.,

Oakland.
Architect—None. \$1900

STORE BLDG.
(11) NO. 2001, 2003, 2007 SAN PABLO
Ave. and No. 1102, 1108, 1110 Uni-
versity Ave., Berkeley. One-story
Class C store building.
Owner—A. J. Weisbred, 327 Warfield
Ave., Berkeley.
Architect—None.
Contractor—Spivock & Spivock, 608
Hobart Bldg., San Francisco. \$14,000

BATH HOUSE
(12) WASHINGTON PARK, Alameda
Two-story frame and stucco bath
house.
Owner—City of Alameda.
Architect—Carl Werner, 906 Santa Fe
Bldg., San Francisco.
Contractor—J. J. Grodem, 1014 San
Antonio Ave., Alameda. \$19,300

CLUB BLDG.
(13) 2315 DURANT AVE., Berkeley;
six-story and basement class B
Women's City Club.
Owner—Women's City Club of Berk-
eley.
Architect—Miss Julia Morgan, Mer-
chants' Exchange Bldg., San Fran-
cisco.
Contractor—K. E. Parker, 135 So. Park
St., San Francisco. \$300,000

RESIDENCE
(14) NO. 50 FLORIDA AVE., Ber-
keley. Two-story 7-room 1-family
frame residence.
Owner—H. B. Gross, 1509 Albany Ter-
race, Berkeley.
Architect—W. W. Dixon, 1844 5th Ave.,
Oakland. \$6000

RESIDENCE
(15) NO. 2347 SHASTA ROAD, Ber-
keley. One-story 6-room 1-family
frame residence.
Owner—E. H. Prentis, 1140 Cragmont
Ave., Berkeley.
Architect—None. \$3000

ALTERATIONS
(16) NO. 2009 DELAWARE ST.,
Berkeley. Alterations.
Owner—E. C. Weber.
Architect—None. \$1000

ADDITION
(17) SW COR. E 15th & 12th AVES.,
Oakland; addition.
Owner—Brooklyn Presbyterian Church
E 15th and 12th Aves., Oakland.
Architect—None.
Contractor—R. S. Scofield, 350 Gouldin
Road, Oakland. \$2300

DWELLING
(18) N MANOR CREST, 250 E Cha-
bot Road, Oakland; one-story 5-
room dwelling.
Owner—L. G. Rose, 6732 Manor Crest,
Architect—None.
Contractor—W. A. Netherby, 3853 Ly-
man Road, Oakland. \$4,000

LAUNDRY
(19) E POPLAR ST. 80 N 22nd St.,
Oakland; one-story concrete laun-
dry.
Owner—Superior French Laundry, 1028
22nd St., Oakland.
Architect—R. C. Schuppert, 4637 Park
Blvd., Oakland.
Contractor—Gaubert Brothers, 4726
Brookdale Ave., Oakland. \$13,000

ALTERATIONS
(20) NO. 166 TUNNELL ROAD, Ber-
keley. Alterations.
Owner—Dr. D. Richard
Architect—None.
Contractor—Jensen & Pederson, 3442
Adeline St., Berkeley. \$5000

CHURCH

(21) NO. 1343 HOPKINS ST., Berkeley. One-story frame church.
Owner—S. F. Bay City's Baptist Union 228 McAllister St., San Francisco.
Architect—Rev. Earl D. Sims, 1508 Belrose St., Berkeley. \$6000

RESIDENCE

(22) NO. 650 CRAGMONT AVE., Berkeley. One-story 6-room 1-family frame residence.
Owner—Fred Townsend, 180 Southampton Ave., Berkeley.
Architect—None. \$5500

DWELLING

(23) N ALLENDALE AVE. 90 East Courtland, Oakland; one-story 5-room dwelling.
Owner—J. Lehman, 959 Apgar Street, Oakland.
Architect—None. \$3500

BUILDING CONTRACTS

ALAMEDA COUNTY

1 International	Cyclops	16915
2 Mohr	Hanson	2965
3 Mohr	Hanson	3800
4 Sears	Hardwood	8541

REFRIGERATING SYSTEM

(1) LOTS 10, 11, 12, 13, 14, 15 and ptn. Lot 16, map of the Benton Ppty., Berkeley; refrigerating system for club house.
Owner—International House (a corp.)
Architect—Geo. W. Kelham, 815 Montgomery St., San Francisco.
Contractor—Cyclops Iron Works, 837 Folsom St., San Francisco.
Filed Jan. 31, 1932. Dated Dec. 14, 1929
Tenth of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$16,915
Bond, \$8457.50. Sureties, Pacific Indemnity Co. Plans and Spec. filed.

DWELLING

(2) LOT 8, Mohrland Gardens Subdiv., Eden twp.; general construction on dwelling.
Owners—Herman J. and Louise K. Mohr.
Architect—W. W. Dixon, 1844 5th Ave., Oakland.
Contractor—A. F. Hanson, 2332 E 14th St., Hayward.
Filed Jan. 2, 1930. Dated Dec. 9, 1929.
When roof is on.....\$93.34
When plastered.....93.34
When completed.....93.34
TOTAL COST, \$2965
Bond, \$2965. Sureties, Constitution Indemnity Co. of Philadelphia. Limit, 90 days. Plans and Spec. filed.

DWELLING

(3) LOT 6 Mohrland Gardens Subdiv., Eden twp.; general construction on dwelling.
Owners—Herman J. and Louise K. Mohr.
Architect—W. W. Dixon, 1844 5th Ave., Oakland.
Contractor—A. F. Hanson, 1332 E 14th St., Hayward.
Filed Jan. 2, 1930. Dated Dec. 9, 1929.
When roof is on.....\$1266.68
When plastered.....1266.68
When completed.....1266.68
TOTAL COST, \$3800
Bond, \$3800. Sureties, Constitution Indemnity Co. of Philadelphia. Limit, 90 days. Plans and Spec. filed.

FLOORING

(4) SW TELEGRAPH AVE and 27th St., Oakland; furnish and install hardwood flooring in 3-story reinforced concrete store building.
Owner—Sears, Roebuck & Co., Oakland.
Architect—Nimmons, Carr & Wright, 833 North Michigan Ave., Chicago.
Contractor—Hardwood Floor Co., Inc., 1911 E 12th St., Oakland.

Filed Jan. 6, 1930. Dated Dec. 21, 1929
Tenth of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$8541
Bond, \$4270.50. Sureties, Pacific Indemnity Co. Limit, without delay. Plans and Spec. filed.

OAKLAND BUILDING IN 1929
TOTALS \$14,511,741

A. S. Holmes, city building inspector of Oakland, reports the issuance of 268 permits during December, 1929, for improvements involving an expenditure of \$485,717, bringing the total operations for the year to 4,754 permits, with a total expenditure of \$14,511,741. Building permits issued in Oakland during the past year involve the following monthly expenditures:

January	\$1,068,814
February	731,189
March	1,836,240
April	1,935,831
May	1,192,751
June	933,692
July	1,376,681
August	915,635
September	1,724,809
October	1,470,810
November	779,572
December	485,717

Total		\$14,511,741
Following is the December, 1929, report of activities as compiled by City Building Inspector Holmes:		
Class. of Bldgs.	No. P'mts	Cost
1-story dwellings	36	\$126,500
2-story	6	61,472
1-story stores	2	4,570
1-story library	1	5,000
1-story planing mill	1	4,000
1-story warehouse	1	1,300
1-story tile warehouse	2	48,000
1-story tile cannery	1	32,000
1-story tile garage	1	500
Title addition	1	1,200
Title boiler room	1	800
1-story brick store	1	5,500
1-story brick laundry	1	1,000
1-story brick garage	1	4,000
1-story concrete office	1	11,251
2-st'y conc. bank & office	1	35,000
Grandstand	1	3,000
Bleachers	2	1,000
Billboards	13	2,150
Electric signs	26	6,226
Roof sign	1	250
Marquee	1	1,000
1-story garages & sheds	46	13,372
Additions	36	22,624
Alters. & repairs	85	43,002

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded	Accepted
Dec. 30, 1929—6449	MOKEULMNE Ave, Oakland. Luella A Ritter to Eric Jacobson. December 30, 1929
Dec. 31, 1929—N EAST 14th St 105 ft W of Oakes Blvd, San Leandro.	I E Jones to Alex C Wieben. December 31, 1929
Dec. 31, 1929—LOTS 51 and 52 BLK 7 map No 4 Regents Park, Albany.	O A Burlingame to Self. December 31, 1929
Dec. 31, 1929—LOT 57 BLK 3, Cragmont, Berkeley.	Park Abbott to Self. December 31, 1929
Dec. 31, 1929—LOT 8, Crocker Terrace, Piedmont.	Louis J and Margaret A Breuner to Wm Livingston & Son. December 20, 1929
Dec. 31, 1929—E SHARON 160 ft E of Mountain, Piedmont.	Virginia C and James S Bancroft to F A Kurtz. December 30, 1929
Dec. 31, 1929—LOT 23 and PTN LOT 22 BLK 660, Reub of Blks 658 and 660, Oakland.	Fred C Fuesher to Tandy & Thels. December 31, 1929
Jan. 2, 1930—LOT 449 BLK X, Fernside Tract, Alameda.	Emil O and Florence H Peterson to Walter H

Anderson.....	December 31, 1929
Jan. 2, 1930—2825 CLAY ST, Alameda.	Sidney J Dowling to Self..... December 31, 1929
Dec. 31, 1929—PTN LOT 174, Fourth Ave Terrace Exten, Oakland.	H P Fisher to whom it may concern..... December 24, 1929
Jan. 7, 1930—1000 TALBOT AVE, Albany.	Alvin Davis to J Carrol Rodger..... January 7, 1930
Jan. 7, 1930—1002 TALBOT AVE, Albany.	George M Browne to J Carrol Rodger..... January 7, 1930
Jan. 7, 1930—739 ARIMO AVE, Oakland.	Myron Benfer to C Dudley De Velbiss..... January 6, 1930
Jan. 7, 1930—PTN LOT 96, Crocker Highlands, Oakland.	Elizabeth I Locke to Otto Mallanen..... December 31, 1929
Jan. 6, 1930—2604 MATTHEWS ST, Berkeley.	Conrad Foertsch to Johr Holm..... January 2, 1930
Jan. 6, 1930—2221 8th Ave, Oakland.	Theodore A Boys to Fred G Turner..... January 2, 1930
Jan. 3, 1930—221 LINDA AVE, Piedmont.	Florence B Round to E T Pound..... December 24, 1929
Jan. 2, 1930—LOT 2 BLK A, Melrose Gardens, Oakland.	Edw J Johnson to whom it may concern..... January 2, 1930
Jan. 4, 1930—NO. 717 CHETLAND Road, San Leandro.	William Degen to William Degen..... Jan. 3, 1930
Jan. 4, 1930—NO. 836 ROSEMONT Ave, Oakland.	Clyde L Chamblin to whom it may concern..... December 26, 1929
Dec. 4, 1929—S WOOLSEY ST, 87.66 E Telegraph Ave, Oakland.	Harry Schuster to Harry Schuster..... January 4, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
Jan. 7, 1930—LOTS 3, 4 and 5 School House Tract, Berkeley.	Brockhurst Tile Co vs Grace and B Singh.....\$25.40
Jan. 6, 1930—LOT 12 BLK 15, Steinway Terrace, Oakland.	L E Whitcomb vs Helrs or devisees of Mary A Woodward, H C Hill, Alex Stewart, admr.....\$110
Dec. 31, 1929—2555 VIRGINIA Street, Berkeley.	J H Jevons vs Mrs T C Carpenter and J A Pilledo.....\$102.41
Jan. 4, 1930—LOT 5 BLK 12, Reub of Blks 9, 10, 11, 12, 13, 14 and ptn of Blk 16, Rockridge Terrace, Oakland.	E B Douglas vs Mrs E Williams.....\$125
Jan. 7, 1930—LOT 160, Arbor Villa, Oakland.	George A Schuster vs Chas D and Effie M Knolyt.....\$2100
Jan. 7, 1930—LOT 159, Arbor Villa, Oakland.	George A Schuster vs Thomas C and Susan Pimm.....\$2100
Jan. 7, 1930—LOT 24 BLK N And E map of Moss Tract, Oakland.	Clinton Mill & Lumber vs Catherine Metz and B S Hanson.....\$529.92
Jan. 7, 1930—LOT 36 BLK 636, map of the Market St Lots, Oakland.	Brockhurst Tile Co vs Cornelius and Bridget Sweeney, D J Gordon.....\$28.46

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
Dec. 6, 1929—PLOTS 10, 12, 14 and 16 Rancho de la Alameda, Washington Twp. Jos Oliver, Jr to Masonic Homes of California.	Hayward wrecking Co.....\$590
Dec. 31, 1929—PTN LOT A, Chabodyn Terrace, Oakland.	Brockhurst Tile Co to Attilio and Blanci Dami, Joe Benasini.....\$767.41

Jan. 6, 1930—PTN PLOTS 10, 12, 14
16, Rancho Arroyo de la Alameda,
Washington Twp. Thomas B and
Lloyd S Russell to Masonic Homes
of California and Hayward Wreck-
ing Company\$472.50

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
WOODSIDE. All work for one-story
brick residence and garage.
Owner—W. H. Hendricks, Woodside.
Architect—Binder & Curtis, 35 W-San
Carlos St., San Jose.
Contractor—Albert L. Palmtag, Glen-
view Ave., Woodside.
Filed Dec. 30, '29. Dated Dec. 28, '29.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$14,485.50
Bond, \$7242.75. Surety. National
Surety Co. Limit, 90 working days.
Forfeit, plans and specifications, none

STAIRWAYS
SAN MATEO PENINSULA AVENUE
School, San Mateo. All work for
two iron fire stairways on two-
story school building.
Owner—San Mateo Grammar School
District.
Architect—None.
Contractor—Sullivan Iron Works, 780
Brannan St., San Francisco.
Filed Dec. 30, '29. Dated Dec. 2, '29.
Completed.....\$1875
Usual 35 days..... 625
TOTAL COST, \$2500
Bond, none. Limit, 60 days. Forfeit,
\$10. Plans and specifications filed.

HEATING PLANT
BELMONT GRAMMAR SCHOOL. All
work for heating plant for school.
Owner—Belmont School District.
Architect—Edwards & Schary, 605
Market St., San Francisco.
Contractor—H. R. Park, 1230 Broad-
way, Burlingame.
Filed Dec. 30, '29. Dated Dec. 17, '29.
Completed.....\$2589
Usual 35 days..... 900
TOTAL COST, \$3489
Bond, (2) \$1744. Surety, United States
Guaranty Co. Limit, 20 working days.
Forfeit, \$10. Plans and specifications
filed.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$4000; Lot 29, 830 No. C
St.; owner, Mrs. K. Dimeck; con-
tractor, Martin Peterson, 128 Lor-
rainer Ave., San Mateo.
BUNGALOW, \$4500; Lot 6 Blk 20, 902
9th Ave.; owner and builder, Leng-
feld & Olund, 145 El Camino, San
Mateo.
RESIDENCE, \$...; Lot 18 Blk 4, Ford-
ham Road; owner and builder, R.
H. Smith, 1407 Burlingame Ave.,
San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded
Dec. 28, 1929—LOT 63 Hillsborough
Oaks. P J Monahan to Self.....
.....December 25, 1929
Dec. 28, 1929—LOTS 60 and 61, Hills-
borough Oaks. Ernest Ingold to
Wells F Goodenough.....Dec. 23, 1929
Dec. 28, 1929—LOT 19 BLK 33, Red-
wood Highlands. H E Borum to
whom it may concern.....Dec. 28, 1929
Dec. 30, 1929—LOT 11 BLK 7, Bur-
lingame. Richard P Minor to whom
it may concern.....December 27, 1929
Dec. 30, 1929—LOT 32 BLK 5, Bay-
wood. Albert C Carlton et al to

Thomas A Cavanagh.....Dec. 27, 1929
Dec. 30, 1929—SW JUNCTION Park
Blvd and Crystal Springs Rd, San
Mateo. The Country School (a
trust) to C H Bessett Bldg Co.....
.....November 30, 1929
Dec. 30, 1929—LOT 31 BLK 24 Hunt-
ington Park. Wm J Herbert to
whom it may concern.....Dec. 28, 1929
Dec. 30, 1929—LOT 58 Brewer Tract.
Robert L McWilliams to T J Brod-
erick.....December 27, 1929
Jan. 2, 1930—LOT 49 Hillsborough
Oaks. W O McIvalde to whom it
may concern.....January 2, 1930
Jan. 2, 1930—LOT 7 PART LOT 6
Blk 3, DeCoulour Sub. E J Cooksey
to whom it may concern.....
.....December 31, 1929
Dec. 31, 1929—LOT 1 BLK 7, Burlin-
game. Walter F Schoepner et al
to Walter C Roberts.....Dec. 30, 1929
Dec. 31, 1929—LOT 14 BLK 2 Win-
chester Tract, Burlingame. Milton
Finlof to whom it may concern.....
.....December 20, 1929
Jan. 3, 1930—PART LOT 9, San
Mateo Park, San Mateo. A Ernest
Johnson to whom it may concern
.....Jan. 2, 1930
Jan. 3, 1930—LOT 9 BLK 3, Bur-
lingame Shore Land Co. Jay E
Allen et al to whom it may concern
.....Dec. 31, 1929
Jan. 3, 1930—PART LOTS 7, 8 AND
9, North Palo Alto. Andrew Aro
to whom it may concern.....Jan. 3, 1930
Jan. 4, 1930—LOT 23 BLK 1, Lot 12
Blk 2, Aragon. Meyer Bros to
whom it may concern.....Dec. 30, 1929

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Dec. 27, 1929—LOT 15 BLK 25, Mil- brae Highlands. San Mateo Feed & Fuel Co vs George Hunseth et al.....	\$276.90
Dec. 27, 1929—LOTS 6 and 7 BLK 9, Central Park. C B McLoire vs O N Mofay.....	\$137.97
Jan. 2, 1930—CALIFORNIA Sana- torium et al vs Belmont. Robert & Car- michael Bros. vs California Sana- torium, et al.....	\$2665.45
Dec. 31, 1929—LOTS 34, 35 and part lot 36 Blk 5, Schwerin Add. Sud- den Lbr Co vs Andy Raw.....	\$460.36
Jan. 3, 1930—LOTS 142 AND 143, Shore View Tract, San Mateo. E A Nielson et al vs San Mateo Terminal Properties Co et al.....	\$198.75
Jan. 3, 1930—LOT 13 Middlefield Park. San Mateo Planning Mill Co, \$463.14; D & H Lumber Co, \$108.86 vs T C Hughes et al.....	
Jan. 4, 1930—LOT 27 PART LOT 28 Blk 8, Central Park, San Mateo. San Carlos Feed & Fuel Co, \$102.35 Pacific Mfg Co, \$445.15 and W P Jamieson, \$264 vs Moxey Realty Co	

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Dec. 24, 1929—LOCATION OMIT- TED. G W Parkinson et al to John Roe McPhee et al.....	In full

Dec. 26, 1929—LOCATION OMIT-
TED. P Buthmann, D Bettieri, et
al, E R Traylor, W B Callahan, J
F Dahl, Merner Lbr Co to Paul R
Smith.....
Dec. 28, 1929—LOCATION OMIT-
TED. J E Allen et al vs J Donald-
son, et al.....In full

BUILDING PERMITS

SAN JOSE

SUPER SERVICE Station, steel and
terra Cotta, \$10,000; Santa Clara &
Vine; owner, Standard Oil Co.
St. Claire Bldg., San Jose; archi-
tect, Company engineers; contrac-
tor, W. H. Ball, 1283 Lupton Ave.,
San Jose.
RESIDENCE, frame, duplex, \$6,000;
Ashbury and Miller; owner, F. O.
Nelson, 173 S 1st, San Jose; con-
tractor, F. C. Nelson, 173 S 1st, San
Jose.
ALTER and repair, \$1795; 269 S 15th;
owner, R. Meads, 269 S 15th, San
Jose; contractor, R. O. Summers,
17 N 1st, San Jose.
RESIDENCE, 5-room frame, \$2250; 19th
near Empire; owner and builder, F.
A. McCall, 55 Park Court, Santa
Clara.
GARAGE & alterations to apartments,
frame, \$2200; St. James and 4th;
owner, Mrs. A. Lake, Corner St.
James and 4th, San Jose; contrac-
tor, Frank Neves, 591 Harrison,
San Clara.
RESIDENCE, 2-story 6-room, \$5500;
13th near Reed; owner, J. Muzzio,
576 E Reed, San Jose; contractor,
Alfred Jones, 799 S 8th, San Jose.
ALTER business bldg., class C const.,
\$1000; 54 N Market; owner, R. M.
Byron, lessee, 69 N 1st, San Jose.
RESIDENCE, 6-room frame, \$2850;
Sierra near Buena Vista; owner &
builder, Carl Maurer, 241 Locust,
San Jose.
OFFICE bldg., 1-story frame, \$3380;
Naglee near Chapman; owner, A.
M. O. R. C., Naglee Ave., San Jose;
contractor, Paul Anderson, 1210
Lincoln, San Jose.
ADDITION to class C auto shop, \$2-
500; San Fernando and 4th, San
Jose; owner, Brehm Bros, 129 E
San Ferrando, San Jose; contrac-
tor, Logan Kay, 590 Vine St., San
Jose.
RESIDENCE, 3-room frame, \$1500;
21st near William; owner, F. L.
Harbour, 49 S 20th, San Jose.
GAS service station, \$2000; Market St.
near San Carlos, San Jose; own-
er, General Petroleum Co., Lincoln
Ave., San Jose; contractor, H. L.
Wold, Vendome Hotel, San Jose.
ALTER residence, \$1000; Vine St. near
San Carlos, San Jose; owner, E.
Basse, Premises; contractor, Pyle
Bros., 1404 Johnathan St., San
Jose.
RESIDENCE, 6-room frame, \$4500;
Brookway Road near R. R., San
Jose; owner, J. M. Keeble, R. F.
D., Brookway.
RESIDENCE, 6-room frame, \$4090; No.
919 Almaden St., San Jose; owner,
D. Scalfani Premises; contractor,
Rivera & Spinella, 24th N-Seventh
St., San Jose.

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

WAREHOUSE, wood and corrugated iron, \$2500; Stockton St. near Julian St., San Jose; owner, and contractor, Carl Swenson, 1385 Shasta Ave., San Jose.

OFFICE building, Class C, \$16,500; N-First St. near St. John, San Jose; owner, California Pacific Title & Trust Co., 98 N-First St., San Jose; contractor, H. A. Bridges, Pine and Lincoln Sts., San Jose.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame & stucco, \$7000; No. 764 Guirida St., Palo Alto; owner, P. W. Wilson, Santa Cruz St., Menlo Place.

RESIDENCE, frame and stucco, \$10,000; No. 531 Center St., Palo Alto; owner, N. Okenian.

RESIDENCE, frame and stucco, \$10,000; 590 E Crescent Drive; owner, Oswald & Rucker, 342 Hawthorne, Palo Alto.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Amount
Dec. 28, 1929—LOTS 11 and 12 BLK 40 College Terrace, Palo Alto. Earl D Minton to whom it may concern	December 27, 1929
Dec. 28, 1929—W CENTER ST 62.50 ft SE from corner lots 4 and 5 blk 118 SE 62.50 ft SW 192.95 NW 53.75 NE 137.50 ft to beg, being NW 1/4 30 ft of lot 3 and S 1/4 pt 10 4 blk 118 Crescent Park, Palo Alto. Selim Kaukonen to whom it may concern	December 26, 1929
Dec. 28, 1929—W MONTEREY ST bet 2nd and 3rd Sts. J W Byers et al to whom it may concern	December 28, 1929
Dec. 28, 1929—LOTS 1 and 2 BLK K, Aldercroft. Hugh Gunter et al to whom it may concern	Dec. 18, 1929
Dec. 30, 1929—LOTS 12 and 14 BLK 17, Vendome Park, San Jose. J H Wilson et al to whom it may concern	December 30, 1929
Dec. 31, 1929—PART LOTS 1 and 3 BLK 80, Sherman Park Tract. Gertrude T Alexander to whom it may concern	December 30, 1929
Dec. 31, 1929—LOT 22 BLK 2, Lincoln Gates. George D McCrary et al to whom it may concern	December 28, 1929
Dec. 31, 1929—S 40 FT LOT 4 BLK 2, Elm Leaf Park. T L Hubbard to whom it may concern	December 30, 1929
Dec. 31, 1929—LOT 712 Salvatierra St. Stanford University, Palo Alto. Katherine Snodgrass to whom it may concern	December 31, 1929
Jan. 2, 1930—PART LOT 1, Dixon Tct. Harold Baxter et al to whom it may concern	December 30, 1929
Dec. 18, 1929—LOT 12 BLK 3, Garden City Tract, San Jose. Henry Silva et al to whom it may concern	Dec. 18, 1929
Dec. 18, 1929—W FIFTEENTH ST., bet. William and Margaret Sts., San Jose. Mrs. Frankie Emerson to whom it may concern	Dec. 14, '29
Dec. 19, 1929—NW 112 FT. OF LOT 7, First Addition to Sunset Tract, San Jose. Burt E Stoops to whom it may concern	Dec. 19, 1929
Dec. 19, 1929—SE 50 FT. LOTS 7 and 8, First Addition to Sunset Tract, San Jose. Burt E Stoops to whom it may concern	December 19, 1929
Dec. 19, 1929—NW 112 FT. LOT 8, First Addition to Sunset Tract, San Jose. Burt E Stoops to whom it may concern	Dec. 19, 1929
Dec. 19, 1929—NE SANTA RITA AV and line bet. Lots 1 and 10 SE	

139.49 ft. by NE 80 ft. Pt Lot 1 Blk 6, Seale Tct No. 7, Palo Alto. John R and Lillian A Williams to whom it may concern...Dec. 19, 1929

Dec. 19, 1929—E WILLARD ST. 502.70 ft. S Douglas St., San Jose. Antone M Lopes et al to whom it may concern...Dec. 16, 1929

Dec. 20, 1929—LOT 8 BLK 7, Resub of Palm Haven. John P Benevento to whom it may concern...November 25, 1929

Dec. 20, 1929—LOT 3, Elnora Tract, San Jose. Della C Jewett to whom it may concern...Dec. 17, 1929

Dec. 23, 1929—NO. 96 COTTAGE Grove Tract. P Lico to whom it may concern...Dec. 23, 1929

Dec. 23, 1929—LOT 11 BLK 82, Breck Subd, Palo Alto. Elizabeth Reiman to whom it may concern...Dec. 19, 1929

Dec. 23, 1929—LOT 45, Clara Vista Addition, Palo Alto. Angeline Hughes to whom it may concern...Dec. 16, 1929

Dec. 24, 1929—NO. 640 WILLOW ST. San Jose. F Colletti to whom it may concern...Dec. 16, 1929

Dec. 26, 1929—LOT 36, Foothill Rd Stanford University, Palo Alto. A M Espinosa to whom it may concern...Dec. 24, 1929

Dec. 26, 1929—NE STEVENS Creek Road and Wabash Ave., San Jose. Board of Trustees of Burbank School District to whom it may concern (heating system)...December 26, 1929

Dec. 26, 1929—LOT 36, Empire Subd San Jose. Giuseppe Arena to whom it may concern...Dec. 21, 1929

Dec. 26, 1929—LOT 17 BLK 9, Rose Lawn. Katherine M Starrett to whom it may concern...Dec. 24, 1929

Dec. 26, 1929—LOTS 34, 35, 36 AND 37, Fuller Tract No. 3, San Jose. Charles Cleveland et al to whom it may concern...Dec. 20, 1929

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Dec. 20, 1929—LOT 17 BLK 51, Seale Addition, No. 2, Palo Rito. Palo Alto Lumber Co vs J T and Carrie Morris Feely	\$673.30
Dec. 20, 1929—LOT 18 BLK 5, Palo Alto. Palo Alto Lumber Co vs Mauricio and Maria Sordia	\$836.87
Dec. 24, 1929—SE HAMILTON AVE 200 SW Cowper St. SW 50xSE 300 Part Lot 4 Blk 28, Palo Alto. Mermer Lumber Co vs Elizabeth Kingham	\$254.75
Dec. 24, 1929—LOT 5, Cooksey Subd No. 1 known as No. 564 Mayfield Row of Stanford University Campus, Palo Alto. Pacific Mfg Co vs Leland Stanford Jr University	\$1107.09
Dec. 24, 1929—SE HAMILTON AVE 200 SW Cowper St. SW 50xSE 200 Pt Lot 4 Blk 28, Palo Alto. Edward P Cashel vs Elizabeth Kingham	\$566.61

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Accepted
Dec. 30, 1929—NE ALAMEDA and NW McKendrie St. Helvie & Hayden to Fred R Cook et al	
Dec. 20, 1929—LOTS 11 AND 12 BLK 17, Vendome Park, San Jose. Jas S Simpson Jr to J M Devers et al	\$241.50
Dec. 24, 1929—NW PARK AVE 60 NE Spencer St., San Jose. Wm H Cogley to Julio C Fernandez	

Dec. 26, 1929—NW PARK AVE 60 NE Spencer St., San Jose. Fred G Derby to Julio Cesar Fernandez et al

BUILDING PERMITS

REDWOOD CITY

DWELLING and garage, \$3500; No. 35 Grand S., Redwood City; owner, Mrs. C. I. Driver; contractor, T. Jefferson, Redwood City.

BUILDING CONTRACTS

MARIN COUNTY

RESIDENCE

NEAR SAN RAFAEL. All work for two and one-half-story and basement frame residence.

Owner—David & Imogene M. Walker, 175 Crescent Rd., San Anselmo.

Architect—Eldridge T. Spencer, 804 Shreve Bldg., San Francisco.

Contractor—J. Dawson, 1507 Lincoln Ave., Berkeley.

Filed Jan. 3, 1930. Dated Dec. 30, 1929.

2nd floor studding set.....

Sheathing completed.....

Finish coat completed.....

Completed.....

Usual 35 days.....

TOTAL COST, \$28,420

Bond, \$28,750. Surety, Fidelity & Deposit Co. of Maryland. Limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Jan. 2, 1930—SAN ANSELMO. Camille G Carriers to Siemer & Kendall	Dec. 31, 1929

BUILDING PERMITS

RICHMOND

COTTAGE and garage, frame and plastered, \$3000; E 26th St. bet. Roosevelt and Cerrito Sts., Richmond; owner and contractor, H. E. Johnson, 644 Woodland Ave., San Leandro.

REMODEL store and install new front \$1500; S Macdonald Ave., bet. 8th and 9th Sts., Richmond; trustees, American Trust Co., Tenth St. & Macdonald Ave., Richmond; contractor, C. H. Johnston, Road 17 and Kearney St., Richmond.

COTTAGE, 5-room and garage, frame and plastered, \$2750; W Ninth St., bet. Ripley and Pennsylvania Sts., Richmond; owner and contractor, V. F. Szymanski, 555 S-30th St., Richmond.

BUILDING PERMITS

STOCKTON

WAREHOUSE, new, \$1500; 640 North Hunter St.; owner Wagner Leather Co., Hunter and Oak, Stockton.

BUILDING, 1-story brick, \$8000; 25 N Wilson Way; owner John Bella, 321 N Wilson Way, Stockton; contractor, Carl Nelson, 1421 E Channel, Stockton.

BUNKERS, gravel, \$3000; S banks of Mormon Channel bet. Center and Commerce Sts.; owner, City of Stockton.

BUILDING PERMITS

SAN JOAQUIN COUNTY

DWELLING

LOTS 26-27 BLK 64 map of Tracy; general construction on dwelling.

Owner—Joseph Wasserman.
Architect—None.
Contractor—J. A. Allen, 525 E Market St., Stockton.
Filed Dec. 27, 1929. Dated Dec. 14, 1929
Payments not given.
TOTAL COST, \$7300
Limit, 40 working days.

COMPLETION NOTICES

SAN JOAQUIN COUNTY		
Recorded	Accepted	
Jan. 4, 1930—NE WILLOW AND El Dorado Sts., Stockton. Richmond Oil Co of Calif. to George H. Murphy.....	Dec. 21, 1929	
Dec. 27, 1929—LOT 11 BLK 17 Sub No 1 Tuxedo Park. Arthur E Storm to T B Parsons.....	Dec. 24, 1929	

LIENS FILED

SAN JOAQUIN COUNTY		
Recorded	Amount	
Jan. 4, 1930—LOTS 1, 3 AND 5 BLK 154, East of Center St., Stockton. Detroit Steel Products Co vs Dinnie Constr Co.....	\$595	
Feb. 2, 1929—LOTS 30, 31 and 32 Blk 73, Lathrop. Hayward Lumber & Inv Co by Verna Lowghed vs A Packer.....	\$213.08	
Jan. 7, 1930—S 1/2 LOTS 1, 3 AND 5 Blk 154 E of Center St., Stockton. Diamond Match Co vs John Gardner and wife and Dinnie Construction Co.....	\$1670.95	
Jan. 7, 1930—S 1/2 LOTS 1, 3 AND 5 Blk 154, E of Center St., Stockton. L A Fuller vs Dinnie Constr Co; J B Perkins and F Gardner.....	\$153.58	

COMPLETION NOTICES

SONOMA COUNTY		
Dec. 30, 1929—NE COR EIGHTH and D Sts, Petaluma. Lillian L Fleissner to Walter Singleton.....		
December 19, 1929		
Jan. 3, 1930—FOURTH ST adjoining Santa Rosa. Michele and Maria Albera to A H Lindsay.....		
Dec. 27, 1929		

LIENS FILED

SONOMA COUNTY		
Recorded	Amount	
Dec. 27, 1929—LOT 500 C Stratton's Map, Petaluma. S J Weeks vs M B C Cader.....	\$1465.72	

COMPLETION NOTICES

MONTEREY COUNTY		
Recorded	Accepted	
Jan. 2, 1930—LOTS 1, 2, 3, 4, 5, 6, 7 and 8 Blk 47 Map of East Monterey. G R Black to Geo Black.....	January 2, 1930	
Jan. 3, 1930—LOT 16 S 15 FT. LOT 14 Blk 102, Pacific Grove. M J Murphy to M J Murphy.....	Dec. 27, '29	
Jan. 3, 1930—LOT 8 BLK 5, Carmel-by-the-Sea. M J Murphy to M J Murphy.....	Dec. 20, 1929	
Jan. 3, 1930—EW 45 FT LOT 2 and Lot 1 Blk 8, Map of Withers's Addition to City of Monterey. Herculano and Mary Fortuna to J C Anthony.....	Jan. 2, 1930	
Dec. 27, 1929—LOT 2 BLK 4 map Addn No 6 Carmel-by-the-Sea. R E Richard to L E Gottfried.....	December 25, 1929	
Dec. 31, 1929—LOTS 18 and 20 BLK 67 Third Addn to Pacific Grove Retreat. T A Work Jr to E P Newman and G E Halsted.....	December 30, 1929	

LIENS FILED		
MONTEREY COUNTY		
Recorded	Amount	
Dec. 26, 1929—LOT 134 BLK G, map of King City. Thos H French vs M B Wood, Walter and Eva M Foer.....	\$343.81	

RELEASE OF LIENS		
MONTEREY COUNTY		
Recorded	Amount	
Dec. 23, 1929—LOT 134 BLK G, map King City. Thos H French to W A and Eva M Foer and M B Wood.....	\$343.81	

BUILDING PERMITS

SACRAMENTO		
RESIDENCE, 6-room, \$5000; No. 441 34th St., Sacramento; owner, H. M. Dunkel, 420 Santa Ynez Way, Sacramento.		
APARTMENT house, \$26,800; No. 1000 1002 O St., Sacramento; owner, Mr. Wing, 10th and O Sts., Sacramento; contractor, Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.		
APARTMENT house, \$14,000; No. 1416 1418 Q St., Sacramento; owner, Dorothy P. Hark, 1705 N St., Sacramento; contractor, Chas. Mac-krell, 1305 24th St., Sacramento.		
GENERAL Repairs, \$1500; 1729 I St.; owner, W. B. Ladue, 2719 O St., Sacramento.		
STORE, \$4,000; 3184 N St.; owner and contractor, H. W. Robertson, 2633 6th Ave., Sacramento.		

COMPLETION NOTICES

SACRAMENTO COUNTY		
Recorded	Accepted	
Jan. 3, 1930 — TWENTY-FOURTH St. and Castro Way, Sacramento. Sacramento City School District to whom it may concern.....	Dec. 30, 1929	
Jan. 3, 1930—EIGHTH AND NINTH Aves, 45th St. and Stockton Blvd at 46th, 47th, R and T Sts., Sacramento. Sacramento City School District to whom it may concern.....	December 30, 1929	
Dec. 31, 1929—LOT 46 Tract of land known as Dawson Place No. 4200 First Ave., Sacramento. Bowen & McMahon to whom it may concern.....	Dec. 30, 1929	

LIENS FILED

SACRAMENTO COUNTY		
Recorded	Amount	
Dec. 30, 1929—LOT 48 McKinley Blvd. Tract, Sacramento. A Virgilio vs F A Jamison.....	\$190	
Dec. 30, 1929—N 80 FT. LOT 4, O P, 14th and 20th Sts., Sacramento. Henry Cowell Lime & Cement Co vs Roberts Co.....	\$59.67	
Dec. 30, 1929—S 40 FT LOT 118 Smith Tract No 4. Herman Von Almen vs Robert C Mackey.....	\$45	
Dec. 30, 1929—LOT 15 Fair Park. D E Zetterlund doing business as Sierra Window Shade Co vs George M Leach.....	\$29	

BUILDING CONTRACTS

FRESNO COUNTY		
BUILDING LOTS 4, 5 and 6 BLK 69, Fresno; all work on building.		

Owner—Normandie Corporation.
Architect—Shields, Fisher & Lake.
Excavation—Stewart and Nuss, 400 Thorne, Fresno, \$3100.
Masonry—Paul Kirdler, 145 N Van Ness, Fresno, \$7000.
Carpentry Work—E. J. Heffner, 252 N Broadway, Fresno, \$18,742.
Reinforcing Steel—Kyle & Co., 346 G St., \$8,502.
Plastering—Eic.—David Wells, 1023 Brown, Fresno, \$3477.
Glazing—Tyre Bros Glass Co., 160 Fulton St., \$2230.
Painting—W. W. Spencer, 1313 San Pablo, \$1195.
Roofing—D. H. Coffmar, 1645 Thorne, \$1046.
Plumbing—Barrett & Hicks Co., 1031 Broadway, \$2478.
Heating—Aladdin Heating Co., \$4639.
Electric Wiring—Electric Const. Co., 1228 H St., \$3500.
Filed Jan. 2, 1930. Dated Dec. 3, 1929.
TOTAL COST Not Given
Sureties, Fidelity & Casualty Co. of

New York. Plans filed.
ALTERATIONS and additions, \$2000; 1921 Tuolumne; owner, Elmer Isgren premises.
SERVICE Station, \$2000; Fresno and M Sts.; owner, Standard Oil Co., Mattel Bldg., Fresno; contractor, J. D. Shorb, 1295 Lynden, Fresno.
DWELLING, \$3500; 736 Terrace Ave.; owner and builder, Fred Gross.
SERVICE Station, \$2700; Van Ness and San Joaquin; owner, Shell Oil Co.
DWELLING, \$4000; No. 322 Clinton Ave., Fresno; owner, Mr. Blanchard; contractor, A. R. Eklund, 1332 Andrews St., Fresno.
DWELLING, \$3000; No. 320 Vassar Ave., Fresno; owner and contractor, T. H. Nelson, 3041 Iowa Ave., Fresno.

COMPLETION NOTICES

FRESNO COUNTY		
Recorded	Accepted	
Dec. 31, 1929—LOTS 15 and 16 BLK 8, Roeding Addn, Fresno. W H Richmond to whom it may concern.....	December 31, 1929	
Dec. 31, 1929—2652-2058 COLLEGE Ave, Fresno. J D Brase to whom it may concern.....	December 30, 1929	

LIENS FILED

FRESNO COUNTY		
Recorded	Amount	
Dec. 31, 1929—S 485 FT of W 865 ft of Lot 63, Central Cal Col. Maisler Bros Lbr Co vs Fred and Mary E Anderson.....	\$720	

SEATTLE PLANS BRIDGE OR VEHICULAR TUNNEL

Application to the city council of Seattle, Wash., for a franchise to build a traffic tube with a 24-ft. roadway on the bed of Lake Washington between the Seattle mainland at Seward Park and Mercer Island has been made by A. J. Gliard and C. A. Newhall, engineers for the Traffic Tube Construction Company, who estimate the cost of carrying out the project as approximately \$4,500,000. Water depth off Mercer Island is 150 feet.
The city council also has under consideration the long-debated Mercer Island toll bridge plans of the Puget Sound Bridge & Dredging Company. This plan has not been favored by the council, because of the opposition of the city park board to any surface approach being built either through or around the rim of the park.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, February 4, 1930, thereafter on said day to be publicly opened and read for the erection and completion of the Assistant Physician's Residence, Napa State Hospital, Napa, California, in accordance with plans and specifications therefor.

The building is a one-story frame structure of seven rooms and basement with stucco exterior and shingle roof.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California cities Builders' Exchange Offices.

Plans and specifications may be obtained by General Contractors who propose bidding on the entire work by direct application to the Division of Architecture and including a deposit of twenty-five (\$25.00) dollars for the set. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

Bids must be submitted on Proposal Form furnished by the Division of Architecture. All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS,

DIVISION OF ARCHITECTURE

GEO. B. McDOUGALL, State Architect.

B. B. MEEK,

Director of Public Works
(Jan. 10-17-24-31)

NOTICE TO CONTRACTORS

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DIVISION OF ARCHITECTURE

GEO. B. McDOUGALL, State Architect.

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Director of Public Works.

SEEKS PERMIT FOR POWER PROJECT IN OREGON

An application for a preliminary permit to construct a power project on

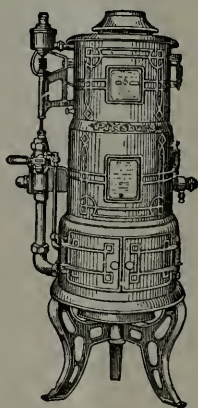
Waldo Creek, Black Creek and Salmon Creek, Lane County, Ore., involving public lands in the Cascade National Forest, was filed with the Federal Power Commission Dec. 7, by Laurence Macomber, of Los Angeles.

The proposed development includes a dam across the outlet of Waldo Lake creating a reservoir of about 140,000 acre feet, a tunnel, conduit and penstock conducting the water from Waldo Lake reservoir to a power house on Black Creek. A conduit, penstock and tunnel conducting the waters of Black and Salmon creeks to a second power house on the north fork of the Willamette river is also proposed.

The installed capacity of the development is estimated at approximately 56,000 horsepower, and it is proposed to sell the power to municipalities in the Willamette Valley and to the City of Portland.

R. F. DEANE NAMED DISTRICT SALES MANAGER

R. F. Deane, formerly district sales manager of the Thew Shovel Company in Philadelphia, is now in charge of the west coast territory for the company, with headquarters at San Francisco. He will have full charge of Thew shovel sales and service in California, Oregon, Washington, Idaho, Nevada and British Columbia. He will have as his service engineer J. C. Lyons, who has had ten years' experience with the service department of the company, the last two years of which was spent on erection and testing at the factory. Complete stocks and repair parts will be carried by distributors on the west coast, including Smith Booth Usher Company, Los Angeles; Jenison Machinery Co., San Francisco; Feenaghty Machinery Co., Portland, Seattle and Spokane; Hall - Perry Machinery Co., Butte and Paragon Supplies, Vancouver, B. C.



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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mason Street

SAN FRANCISCO, CALIF., JANUARY 18, 1930

Thirtieth Year, No. 3
Published Every Saturday

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SAN FRANCISCO: 447 Sutter Street
SEATTLE: 360 Stuart Building

PORTLAND: Public Service Building
SPOKANE: 25 No. Monroe Street

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., JANUARY 18, 1930

Thirtieth Year, No. 3

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

INDEPENDENT ARCHITECTS FOR FEDERAL BUILDING URGED

Inauguration of a movement to make it possible for architects other than those directly employed by the Federal government to be used for governmental work has been started by Congressman Louis Ludlow of the Indianapolis, Indiana, district.

In a recent statement Ludlow said: "I see no reason why the architects of Indiana, who are among the best in the country, should not have some employment on big governmental jobs. The United States is about to launch a great building program involving \$15,000,000 for Federal buildings throughout the country.

"Having noted the passage of the new legislation and having learned that it originated in the Treasury department, I wrote to the secretary of the treasury to try to open the way for the employment of qualified Indiana architects and I have an encouraging reply from Ogden L. Mills, assistant secretary of the treasury, in which he answers in part as follows:

"As you know, specific authorizations and appropriations have been provided for public building projects at Fort Wayne and South Bend, Ind. Consideration will be given to the proposal of the Indiana Society of Architects with regard to those two projects."

(Although the government has in several recent instances permitted the employment of architects not directly connected with governmental bureaus, should this movement be given recommendation, it would definitely establish the Federal policy on the question).

STONE AND WEBSTER AWARDED \$6,000,000 POWER PROJECT

Stone & Webster, Inc., Stuart Bldg., Seattle, Wash., at approximately \$6,000,000 has been awarded a contract by the Engineers' Public Service Corporation to construct the first unit of a \$15,000,000 hydro-electric project at Rock Island, on the Columbia river, near Wenatchee. This is announced by William H. McGrath, vice president of the Puget Sound Power & Light Company.

Federal license was issued and accepted Monday for the construction of the dam by the Washington Electric Company, a subsidiary of the Puget Sound Power & Light Company, which, in turn, is a subsidiary of the Engineers' Public Service Corporation.

It was estimated that the first unit of this project will take about three years to complete, the initial generating capacity being approximately 80,000 horsepower. Provision will be made in the power house for additional units that will be added as needed until a maximum of 240,000 horsepower has been installed.

STEEL AND CONCRETE FRAMING IN TALL CHICAGO BUILDING

A combination of reinforced concrete, structural steel and cast iron is employed in the framing of the 30-story Trustees System Building, now under construction at Lake and Wells Sts., Chicago, this combination being adopted for reasons of economy and convenience in the design, says Engineering News-Record. The building, 50x150 ft., rises 37½ ft. from sidewalk to top of 30th story, above which a pyramidal roof and smokestack inclosure extends 57½ ft. to top of masonry. A bank will occupy the first two stories, while the upper floors will be for offices. The foundations are concrete piers on hardpan 8½ ft. below street grade.

Column design includes structural steel with concrete fireproofing, ordinary reinforced concrete and Emperger reinforced concrete columns having cast-iron cores. In the lower stories the columns are from 36x36 in. to 32x32 in., reducing to 28x28 in. in the twentieth story, with smaller special sizes in the tower. Where cast-iron cores are used, their diameter ranges from 12½ to 3½ in. for the lower and upper stories respectively.

Six of the columns under the tower are of structural steel to the 21st floor and two others to the tenth floor. Of these, two are wall columns and four are interior columns. The floor framing connected to these steel columns is also of structural steel. For the pyramidal roof and stack inclosure, the framing is of light structural steel, supporting cement tile slabs on the horizontal surfaces and brick on the vertical surfaces. Elsewhere the columns (30 in number) and floor framing are of reinforced concrete. All the basement columns have cast-iron cores, but in the upper stories the reinforcement varies according to conditions.

In general, the panels average 17 ft. 2 in. x27 ft. 6 in., and no spans exceed this last figure. In the slab-and-joint floor system the slab is 2½ in. thick with joists 12x5¼ in. spaced 35½ in. center to center. From the third to the twentieth floor the beams frame in the shorter direction and were made 14½ in. deep, thus providing a level ceiling for practically the entire floor. It was necessary to reverse the framing of the first and second floors in order to provide additional wind bracing east and west. Approximately 40 per cent of the east-and-west wind stress is taken by brackets on the structural steel framing, while 60 per cent is taken by deep concrete spandrel beams which are carried up from the lintels to the window sills.

The McLennan Construction Company has the general contract for this office building, the architects of which are Thielbar & Fugard, with James B. Black as structural engineer.

CIVIL ENGINEERING DEFINED BY STATE ENGINEER BOARD

A definition of the term "Civil engineering," as used in the new state law providing for the registration of civil engineers, has been adopted by the State Board of Examiners for administrative purposes. This definition was written after a thorough study of laws in other states and correspondence with heads of leading engineering schools. It was found that there are differences of opinion as to just what particular branches are covered by the term civil engineering, and the board framed its own definition after a very careful analysis of all the information obtainable. This will be known as Rule 5 of the regulations of the State Board of Examiners. The text follows:

Civil Engineering.—For the purposes of the administration of the Act the board defines civil engineering as that branch of professional engineering which deals with the economics of the use and design of, the materials of construction and the determination of their physical qualities; the supervision of the construction of engineering structures, and the investigation of the laws, phenomena and forces of nature, in connection with fixed works for:

Irrigation, drainage, water power, water supply, flood control, inland waterways, harbors, municipal improvements, railroads, highways, furthermore, it includes City and regional planning, valuations and appraisals, tunnels, airports and airways, purification of water, sewerage, refuse disposal, foundations, framed and homogeneous structures, bridges, buildings.

Surveying, other than land surveying as defined in the General Laws of California, Chapter 247, Statutes of 1907.

WESTERN TIMBER INTERESTS TO MEET IN PORTLAND

Western timber interests will be discussed at Portland, Ore., March 3, 4, and 5 when private, State, Federal and Canadian timber and protective agencies meet in convention, the United States District Foreign office here announced.

Meetings will be devoted to committee action on cooperative fire prevention work, methods employed, educational projects and various other questions identified with forest work on the Pacific slope.

In addition to the general convention the five regional forest protection boards, representing all western territory between the Rocky mountains and the coast, will meet.

These boards are composed of Federal officials from the various forest officers, general land office representatives, Indian affairs officials, weather bureau men and representatives of the National Park service, biological survey, forest disease and insect bureaus.

PROPOSED "AMERICAN" UNIFORM SYSTEM OF THE QUANTITY SURVEY

In June, 1926, in Chicago, quantity surveyors and estimators in various branches of construction, met and organized the American Institute of Quantity Surveyors.

At this initial meeting the problem of a Uniform Quantity Survey System and Standardization was discussed and a committee was appointed.

At the second convention, held in Washington, in 1927, members of the Department of Commerce Committees on Simplified Practice and Wood Utilization were present, and explained their respective parts in the government's work of Standardization, Simplification and Conservation, and resolutions were passed calling the Secretary's (now President Hoover) attention to Quantity Survey as an economic factor in the construction industry.

At the New York and Detroit Conventions, in 1928 and 1929, further resolutions were passed as a result of the Uniform Systems Committees reports, which stressed the importance of standardization and the development of a scientific method of quantity survey for the purpose of bringing about more economical results in estimating, bidding and contract awarding procedure.

Standardization

This problem of Standardization is a big one, not only on account of the fact of the many different practices and methods in use, but also because it is a very slow and difficult process to get people to change the ways they are accustomed to, even when convinced of something better. The failure of the attempts of the U. S. Government to get people to take up the metric system, which is generally acknowledged to be much more scientific and simpler than the methods of measurement in common use, is an example of the futility of expecting people to readily change their habits.

This problem of Standardization is recognized by quantity surveyors as one that must be solved, before any progress can be made in getting the construction industry to adopt themselves to advanced methods in estimating or awarding of contracts. Furthermore, they recognize that no single individual or organization can force any change of method, or any new plan or the rest of the construction public. All they can hope for is to set up a plan which may have sufficient merit to obtain for them the support of the leading organizations in the construction industry who are engaged in work of a constructive nature in matters appertaining to quantities in so far as they are able in respect to their own particular branch of the industry.

The A. I. Q. S. as a body of professional quantity surveyors, are not trying to direct the construction development of any particular craft or branch of construction work in its estimating departments, but it has the unique position of being the only disinterested organization which could possibly have a chance of success in any attempt to co-ordinate the estimating methods of all different crafts under a single plan.

It has therefore directed its attention, as individuals and through its committees, to devise a simple practical plan which would be:

Universal in scope and distribution; applicable to all purposes involving quantities and costs; conformable with rules and practices in New York, Los Angeles or any other part of the coun-

try; a scientific, positive method of arriving at quantities, the accuracy of which can be proven; a logical system for the use of units of measurements that will co-ordinate all crafts; capable of facilitating all estimating and quantity surveying; an important factor for the reduction of costs, not only in the actual taking off of quantities and pricing for estimating, but also in cost accounting and valuation work of all kinds.

The principle involved in this plan is very simple. It is based on the use of superficial measurement in either lineal or square feet, with the third dimension as part of the description (or specifications).

This method of measurement is one that is applied to finished construction work in place, and not a bill of material, which should be developed as a separate instrument from the quantity survey.

It will bring out the ingenuity and professional ability of the engineers in certain lines of construction work to adapt this method of measurement to their particular branches, and it is acknowledged that there may be certain crafts where the plan may not satisfactorily apply without resorting to bills of quantities of material, but it may be practically applied to nearly all branches of construction work with the result of simplification and economy.

Details To Be Worked Out

At this time nothing definite is submitted except this skeleton plan, and details will be worked out in each different branch of construction work, and it is hoped that the different organizations interested in quantity surveying will direct their attention to this plan with the idea of finding out how it may be applied to their own particular line, and that they will co-operate with the A. I. Q. S. instead of continuing to go their own individual estimating ways as in the past, to the continued confusion and complication of everything in connection with building quantities.

It will be expected that certain contractors of the old school in all lines of construction work will continue to hold the idea that the more difficulties that are placed in the way of the introduction of intelligent and scientific methods in quantity surveying, the more they will gain individually in selfish acquisition, but this type is fast passing out of the picture. The representative builder of today deprecates haphazard methods and wants to see the building business stabilized by scientific methods.

Explanation of the System

The proposed "American" system is an attempt to reduce the measurements of a building to their simplest possible form.

In spite of the many complications of modern construction a building is in reality a simple matter. It is primarily an enclosure of different kinds of material forming a horizontal top and bottom, with vertical sides, and both horizontal and vertical divisions. Besides this it has certain features added by either strength, ornament or convenience.

The simplest method of measuring a building is by length, breadth and depth, or thickness. This can be expressed in superficial terms, with the breadth or thickness as a part of the qualifying description. Its various members can also be described most simply in the same way.

The first step in analyzing the contents of a building is to measure superficially the members differing in any particular, which may affect the purpose for which the measurement may be required.

Ordinarily the purpose of measuring a building is to find out two things:

1. Cost.
2. Quantity of material required.

The simplest way to find out cost is, with scientific cost accounting methods, directly from the measurements of the members of the building.

The only way to find out the quantities of material is to first find out the measurement of the members and then multiply the result obtained by the unit quantity of the different kinds of material.

It is unnecessary to carry out both operations, when the results are required for arriving at cost only. In other words, if only one contractor can get the job, why should it be necessary for a dozen or more contractors to go through both operations? If the contractors have proper cost data it is unnecessary. Unless the engineer, architect or owner is desirous of having contractors who have not proper cost data figure their work they would not advocate a system based on quantities of material as the unit of measurement. Unless the contractors have not proper cost data, and do not want to take the trouble to get it, they would not continue a system which required them to do two things when one will answer.

Accuracy and Positive Checking

The use of the "American" system of measurement makes it possible to assure much greater accuracy than in the methods which use various kinds of units of measurement.

Every different type of floor construction, wall construction or partition construction, exterior or interior openings, may be totaled for each story, and compared with the quantities taken by over all measurements. This is a positive method of proving the work.

Code

A simple code is suggested dividing all branches of building construction into twenty-six divisions, one of which is designated by each letter of the alphabet, and each different subdivision by two other letters, selected with the idea of being easily called to mind by the word or words they represent. Capital letters may be used for material, small letters for labor, and material and labor combined by using capital letters for the main division and small letters for the sub-division.

This code is used to simplify quantity survey and bill of material and may also be used by the contractor in his accounting.

Quantity Survey Service

It is proposed to establish with the "American" system a complete standard service, and when a contract is made for a complete "American" quantity survey service, engineer, architect, and owner will know if these suggestions are confirmed by the A. I. Q. S. convention next April at St. Louis.

1. That the quantity surveyor will expect to receive at least one per cent of the contract price.

2. That he will compile measurements of all different parts of the building in lineal and superficial measurements, segregating by different buildings, by different stories in each building, and by varying costs, and

giving the third dimensions as a part of the description. These measurements will be known as basic measurements. They will be carefully checked for accuracy by comparing the totals of the segregated measurements with the overall measurements. These basic measurements to be started when the quantity surveyor is furnished with preliminary sketches and skeleton specifications and corrected when the working drawings are completed and the regular specifications written.

3. That he will receive a preliminary estimate from the preliminary drawings or sketches and skeleton specifications.

4. That he will receive a priced "American" quantity survey made from the working drawings and regular specifications, with estimates for alternate proposals of method of construction or type of material, to enable him to make such final changes in his drawings and specifications as to assure the obtaining of proposals to perform the work within the available amount of money.

5. That he will be furnished with sufficient copies of a corrected UNPRICED quantity survey as may be needed to supply to all general and sub-contractors expected to bid on the work, for the purpose of assuring that all contractors are bidding on the same quantities in their respective lines, and to eliminate the element of contingency, and the wasteful and uneconomical practice of duplicated effort in estimating, and to assure the selection of the general and sub-contractors on a basis of Competency, Honesty and Responsibility, rather than on sole qualifications of a low bid.

Co-operation with Other Branches of Construction

It is not the intention of the A. I. Q. S. to assume any position of superiority in knowledge in any branch of construction, or to lay down any rules with the idea of attempting to force others to accept them. On the contrary, it expects to endorse all constructive efforts in matters appertaining to quantity surveying and standardization, and to adapt the "American" system to the rules these organizations may formulate so far as they can do so in conformity with their plan, and in cases where there is necessarily a conflict the methods obtaining under the plan will be paralleled by a conformance with the methods advocated by the other organization.

For instance, the rules formulated by the American Concrete Institute have been endorsed by the A. I. Q. S. and in the case of measurement of concrete, while the unit of measurement under the "American" system would be expressed in superficial area of different thickness of walls, slabs, etc., the measurement of formwork, which is not finished but temporary construction, and unnecessary to have as a unit of measurement when cost is the sole object, and proper cost data are available, will also be given in the quantity survey furnished contractors, and the cubic feet of concrete will likewise be given.

The A. I. Q. S. will, however, ask the A. C. I. and all other organizations controlling different branches or crafts of construction work, to co-operate with them in attempting to establish this universal plan, for the benefit of the construction industry at large, and if necessary to make some personal sacrifice in the way of changing their necessarily limited views to the larger needs of the general good.

This article will be followed by others explaining in detail the application of the proposed "American" system to the different crafts, and the

natural order of the construction will be followed, starting with excavation, concrete, masonry, etc., and will eventually be carried into the mechanical trades.

It is expected that this plan will be endorsed by the A. I. Q. S., and followed in the standard set up as a uniform system, but will always be liable to be superseded by a better plan if one can be devised that will fulfill the requirements of universality, simplicity, efficiency, and adaptability.

It is hoped that both members and non-members will contribute papers, showing the application of this plan to the crafts in which they are especially interested, or to submit an alternative plan, if they have one.

JESSUP NAMED CITY ENGINEER OF LOS ANGELES

J. J. Jessup of San Francisco, has been appointed city engineer of Los Angeles to succeed Maj. John C. Shaw who has filled that post for the last four years. The appointment, which was made by the Board of Public Works, was in the nature of a surprise, as Maj. Shaw's administration of the engineering department has been generally regarded as most efficient. The reason given by the board for the change is that Mr. Jessup's services as sewer and garbage disposal expert are needed at this time.

The new city engineer is 55 years of age and is a graduate of Penn. College, Iowa. He was also a graduate student at University of California, Berkeley. He was for five years professor of mathematics at Pacific College, Newberg, Oregon; four years president of Whittier College, and three years instructor in the college of engineering, University of California, Berkeley. He served 15 years in the engineering department of the city of Berkeley, 10 years in the post of city engineer.

During the World War Mr. Jessup was engaged in construction and salvage for the Y. M. C. A. in France. Since that time he spent one year in the state engineer's office on water resources problems, two years as consulting engineer on Imperial county highways, and for the last seven years has maintained offices in San Francisco and Los Angeles as consulting engineer. He is a member of the American Society of Civil Engineers.

In relinquishing his post Maj. Shaw stated that he had planned to establish during the present year a sanitary division for the more economical handling of the city's garbage and refuse and the cleaning of streets. He said he trusted the board of public works and his successor would put through these and other needed changes which are in the interests of the taxpayers.

ONLY LICENSED CONTRACTORS MAY DO PUBLIC WORK

In response to an inquiry as to whether contractors doing construction work for municipalities and other political subdivisions of the state must have a state license, attention is called to a ruling made by the state attorney-general that the exemption in the law contained in Section 2, Subdivision (a), applies only to directly authorized employees of political subdivisions. The opinion written by Deputy State Attorney-General Frank English in reply to a request from the Registrar of Contractors says:

"It is with reference to the first exemption in Section 2 that you inquire.

"Section 2, Subdivision (a), reads:

"This act shall not apply to:

"An authorized representative of

representatives of the United States government, the state of California, or any incorporated town, city, county, city and county, irrigation district, reclamation district or other municipal or political corporation or subdivision of this state."

"You state that certain attorneys have advised that political subdivisions of the state may make contracts with contractors for building purposes without any reference to this act. That is, they need not concern themselves as to whether contractors with whom they are dealing are licensed.

"Your department is of the view that the said exemption in Subdivision (a) of Section 2 refers only to the directly authorized employees of political subdivisions of the state who perform work on a time and material basis for the political subdivision which they represent. This means that the employing body would employ a superintendent, and all men working would be direct employees of the official body, and all materials purchased would be brought in the name of official body.

"I concur in your construction of this language found in Subdivision (a) of Section 2 of the act."

PART-TIME BOOKKEEPER \$3,615,000 FOR CITY BUILDING DURING CURRENT YEAR

Contemplated building construction to be undertaken by the city and county of San Francisco during the current year will involve an expenditure of approximately \$3,615,000, according to Chas. H. Sawyer, acting chief of the Municipal Bureau of Architecture.

Projects included in his estimate are summarized as follows:

Ward "F", Laguna Honda Home	\$185,000
Additional Wards, S. F. Hospital	365,000
Fire House	45,000
Emergency Hospital	45,000
Balboa High School (3rd unit)	600,000
Aptos Jr. High School	600,000
Lick Jr. High School	600,000
Laguna Honda Home (2 new units)	500,000
T. B. Preventorium, 2 bldgs.	125,000
Health Center and Emergency Hospital Building	550,000

It is possible that the first unit of the George Washington High School may be included in this year's program, according to Sawyer.

VANCOUVER VOTERS AUTHORIZE EXTENSIVE IMPROVEMENTS

At the recent municipal election at Vancouver, B. C., the ratepayers authorized the expenditure of \$1,200,000 for four major projects, including \$2,800,000 for the Burrard St. bridge, \$750,000 for sewers, \$300,000 for the development of a city airport and \$350,000 for new fire alarm headquarters.

The Burrard St. bridge will be a link in the main traffic artery providing direct access to the Point Grey section of the city and will form an important part of Vancouver's town-planning program. The proposal is to erect a double-deck bridge over the False Creek inlet, with the upper deck to be used by vehicular traffic and the lower deck for street cars and steam railway lines serving the industrial areas in the vicinity. The city council was authorized by the electorate to proceed with its investigations of the power potentialities of the Cheakamus River and its tributaries with a view to ascertaining if this river, on which the city has a reserve, can be developed for civil hydro-electric purposes.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

The year 1929 saw approximately 555 invested in new construction in the United States for each resident of the country, according to an examination of latest data made by the research department of Greenbaum Sons Investment Co. This figure includes expenditures for all types of buildings, as well as engineering projects, public works and utilities.

The 1929 per capita outlay, while large, is less than that of each of the four preceding years, it is seen. In 1928 some \$61 were spent for new building for each person in the U. S. This was the highest mark ever attained. For 1927 the average expenditure was \$58 per person. For 1926 it was \$60, and for 1925 it was \$57.

The heavy building done in these four prior years resulted, in the opinion of many, in the country becoming to a degree overbuilt. If this view is correct, the comparative lull which characterized operations in 1929 gave population an opportunity to catch up with its accommodations. This is especially so of residential building, which was the line which particularly lagged the past year.

The five-year comparison further reveals that building activity has advanced to new heights in each alternate year. This was true in 1926 and again in 1928. Should the rule still hold, 1930 may be expected to show a substantial increase by comparison with 1929.

Seattle Real Estate Board will award certificates of honor to architects for the best structures erected in that city during the year 1930. In awarding the certificates, beauty, suitability and true economy will be considered. Awards will be made on the following:

- (1) For the best business building in the downtown area.
- (2) Best business building in a business sub-center.
- (3) Best industrial building.
- (4) Best single detached residence.
- (5) Best apartment house.
- (6) Best single detached residence costing more than \$7000 exclusive of ground, but including all other expenses of construction and development.

At the recent joint meeting of the West Coast wholesalers and manufacturers of lumber at Seattle the question of market stabilization and the need of better selling methods was discussed. When mills sell direct to dealers at the same price quoted to wholesalers, it was brought out, the effect is to force wholesalers to buy from other mills at a price low enough to enable them to meet this competition and to cover their operating costs. The committee expressed itself as being in favor of the industry adopting some form of sales differential which would provide for the cost of merchandising as a part of the sales price, regardless of the method of distribution.

New York Electrical Contractors have agreed with the union workmen they employ to give 8000 electrical workers a \$3000 Life Insurance Policy — \$30 monthly disability and \$40 a month pension after the age of 65.

San Joaquin Light & Power Co. is preparing plans for a \$3,500,000 steam plant with a capacity of 35,000 kilowatts and completion of a new hydro-electric plant at Merced Falls with a capacity of 4000 kilowatts. It is announced by A. Emory Wilson, vice-president and manager of the company. The exact location of the new steam plant has not yet been determined, but will probably be at Buttonwillow, Kern County, where the corporation now has one steam plant. Natural gas from the Kettleman Hills oil fields of Fresno and Kings counties will be used for fuel.

A total of \$4,300,000 will be spent for new construction by the Portland (Oregon) Electric Power Company during 1930, more than twice the 1929 figure. One 40,000 horsepower water wheel will be added to the Oak Grove plant and a 46,000 horsepower steam turbine will be installed in the East Lincoln street plant. The cost of these two additions will be approximately \$2,602,000.

Decision to consider carefully a plan for effecting a gradual reduction in the working hours of labor, with the hope of improving the unemployment situation of the country, was reached by the executive council of the American Federation of Labor in midwinter convention at St. Petersburg, Fla., January 13.

United States Steel Corp. reports its unfilled tonnage as of Dec. 31, 1929, at 4,417,193 tons, an increase of 291,848 tons over the preceding month when unfilled tonnage as of Oct. 31 when unfilled tonnage amounted to 4,125,345 tons. The unfilled tonnage as of October 31 totaled 4,086,562 tons, and on the corresponding period of last year the unfilled tonnage report equalled 3,976,712 tons.

A budget of \$1,100,000 for the year 1930 for trade extension work has been approved by the National Lumber Manufacturers Assn. Of this amount \$110,000 is to be spent on research, \$475,000 for trade promotion, and \$423,000 for advertising and publicity. Of this last amount \$85,000 will be spent for promotion work by the wooden box bureau and in the commercial furniture campaign. In addition it was decided to appropriate \$75,000 for a co-operative trade extension campaign with the Concatenated Order of Hoo Hoo.

The state legislature committee on joint highway district laws is seeking the co-operation of county supervisors in handling county highway problems. In a letter to the Alameda county supervisors the committee stated, "It is a notable fact that the problem of financing joint highway districts in California is a very serious problem. This committee is desirous of contacting the boards of supervisors of all the counties in the state, the automobile associations and any other interested agencies for the purpose of receiving from them such suggestions and help as they may see fit to offer."

Incomplete returns received by President Hoover in response to his drive for increased construction and improvement work indicate that a total of \$4,700,000,000 will be expended during the current year.

J. E. Bankson, general sales manager of the Redwood Manufacturers Co., after 24 years of service with that concern, has submitted his resignation to become effective on February 1. Bankson started with the company as a boy and worked his way up to an executive position.

Southern California Edison Company and the city of Pasadena have filed a joint application with the state railroad commission for an order authorizing the company to give the city a two-year option on certain lands along the San Gabriel river on which the city proposes to construct a storage dam and reservoir. The purchase price for the site was given as \$783,494.

The Stockton Builders' Exchange to send a delegation representing that body to attend the Nineteenth Annual Convention of the National Association of Builders' Exchanges to be held in San Francisco next month. It is announced by E. H. Grogan, president of the Stockton Exchange.

Celotex Company's net sales for the year ended October 31, 1929, were approximately \$10,317,640 compared with \$8,979,858 for the year previous. Shipments for the year totaled about 332,006,000 square feet compared with 257,409,065 for 1928.

George P. Baldwin, vice-president of the General Electric Co., a recent visitor from New York, announces the company contemplates an expenditure of between \$500,000 and \$1,000,000 for improvements at the Oakland plant during the current year.

Directors of the Oakdale Irrigation District have withdrawn their offer to sell the district's pipe manufacturing plant to the United Concrete Pipe Corp.

East Bay Income Builders Corporation, Ltd., formed under the laws of Nevada to conduct a general real estate business with an authorized capital of \$250,000, has filed articles of incorporation with Secretary of State Frank C. Jordan. Alfred Cordis of Oakland is named the California agent. The corporation will build apartment houses and deal in realty transactions.

Hardwood Manufacturers' Institute will meet in Louisville, Ky., January 30-31.

The expenditure of \$15,000,000 over a three-year period beginning in the fiscal year 1931 by the Secretary of the Interior for the construction of roads leading to the highway systems of national parks would be authorized under a bill introduced by Representative Leavitt, Republican, Montana.

Construction requirements of the United States during 1930, as estimated by the Copper & Brass Research Association, in its annual building survey, will total nearly \$9,000,000,000.

Everett Isley, a general contractor, formerly of Los Angeles, has established permanent headquarters at Oroville, Calif., and will engage in a general contracting business.

ALONG THE LINE

Henry C. (Harry) Chlsm, city engineer of Reno, Nevada, died in a San Francisco hospital Jan. 9 following an illness of several months. He was a graduate of the engineering school of the University of Nevada in the class of 1905.

Hayward, Calif., city council has adopted an ordinance combining the offices of building inspector, sanitary inspector and fire marshal. The ordinance places the salary at \$175 per month.

Fred L. Swartz, a member of the architectural firm of Swartz & Ryland, has been elected president of the Fresno Kiwanis Club.

William H. Metz has been appointed city engineer of Beverly Hills. Mr. Metz has been acting city engineer since the resignation of J. C. Albers to become city engineer of Glendale.

J. W. Gross, consulting engineer, addressed the Sacramento Chapter, American Association of Engineers, Jan. 9, speaking on aerial photography and its use in mapping.

P. M. Sanford, general contractor, has been re-elected president of the Chamber of Commerce of Richmond, Calif. This is his fourth consecutive term as president.

Harry N. Jenks has entered the consulting engineering field in conjunction with Clyde C. Kennedy, with offices in Call Bldg., San Francisco. They will specialize in sanitary engineering.

C. E. Grunsky, San Francisco consulting engineer, was elected president of the American Engineering Council at the annual meeting of that body in Washington, D. C., January 10.

Paul Ceragioli and Augusto Montini will operate from 619 34th Ave., San Francisco, under the firm name of Cement & Concrete Company.

Federal Ornamental Iron & Bronze Company, San Francisco, which recently increased its capitalization to \$500,000, has been authorized by the State Corporation Department to distribute assets or a stock dividend amounting to \$32,310 to its common stockholders. Sale of 7,400 shares common stock and 25,000 shares preferred stock, both of \$10 par, to the public at par for cash was also authorized.

Edward Krout and S. A. Schneider will operate from 1001 Bryant St., San Francisco, under the firm name of California Glass Company.

Ray Engleson, representing the state department of professional and vocational standards, addressed a dinner-meeting of the Bakersfield Builders' Exchange, January 8. He spoke on the California contractors' license law, adopted at the last session of the Legislature. Other speakers included Clarence Cullimore, Bakersfield architect; R. H. Hubbard, Bakersfield building inspector; Clark Gramling and Fred Gribble, Bakersfield contractors.

TRADE NOTES

L. C. Hunter, for twenty years manager of the Sacramento branch of the W. P. Fuller Company, and at present manager of the San Francisco branch, has been made a director of the company. Chas. R. Root, who was the manager of the Fuller store in Sacramento in 1906, also was made a director. Root has been with the company for fifty years. Hunter's service dates back forty years. The new honor was given at the annual convention of the branch managers held in San Francisco. The directorate of the company is composed mostly of members of the family, and the former Sacramentans are among the few outsiders given a place on the board.

To "take advantage of lower freight and shipping rates available to Berkeley manufacturers," according to company officials, the Built-in Fixtures Company, international distributors of household articles, will cut their Los Angeles plant in half, moving a branch estimated at \$25,000 to Berkeley. This is announced by Ray B. Cox, Berkeley president of the concern. The move is being made, Cox announced, to augment the \$100,000 plant now in operation at 2608 San Pablo Avenue. The addition is expected to nearly double total investment to nearly \$150,000.

J. M. Rich Paint & Varnish Company has leased quarters at 88th Ave. and D St., Oakland, and will engage in the manufacture of lacquer for painting white and red traffic lines, a full line of paints and paint specialties, enamels, colors and oils, varnishes, automobile enamels, automobile lacquers, engine and marine paints, roofing cement and Portland cement paint. These products will be marketed under the trade names of "Ricolite" and "Haderlight." The Pacific coast states will be served from the Oakland factory. Offices are located at 4465 E-Fourteenth St., Oakland.

Standard Gypsum Company, Inc., a Nevada corporation headed by William Woodburn of Reno, has been organized to acquire the Standard Gypsum Company, a California corporation, according to word from Reno. Under a permit issued by the state corporation department of California, the new company is to issue 131,279 1/4 shares no par common stock valued at \$20 a share and \$10 in cash to the California corporation in payment for its business and assets subject to liabilities of \$660,000. The assets of the California company are valued at \$2,625,585. The Nevada corporation is capitalized at 300,000 shares of preferred and 100,000 shares of common stock.

Luse-Stevenson Co., manufacturers of corkboard and granulated cork, with factory headquarters in Spain, has located a branch office and warehouse at 140 Spear St., San Francisco. W. J. Paul is in charge of the branch.

Calrock Asphalt Co., operating a plant at Santa Cruz, has established San Francisco offices at 625 Market Street, with J. W. Hayes, as branch manager.

HERE — THERE —
EVERYWHERE

After numerous special committee meetings between the union carpenters and contractors of Fresno, a compromise fixing the new daily wage at \$9 has been effected. The increase was granted on the basis of the 5-day week. The agreement is effective immediately.

Seventy-one accidents, including fourteen fatalities, were reported on electric light, power and communication systems in California during the last six months. According to the State Railroad Commission none of these were due to improper equipment.

The 1930 expansion program of the Western Electric Company calls for the expenditure of about \$55,000,000 for additional factory buildings and machinery and tools with which to equip them. Additional floor space to be provided amounts to 2,500,000 square feet. Sales of the company last year were in excess of \$400,000,000, compared with \$387,000,000 in 1929, and were the largest in the company's history.

The sum of \$3,000,000 for construction of boulevards and sewers is requested by the San Francisco Board of Public Works for the 1930 construction program. The money, according to T. A. Reardon, president of the Board of Public Works, is available from the recent sale of boulevard and health bonds.

Contra Costa County Building Trades Council at a meeting next Friday night will decide on the question of putting the 5-day week schedule into effect. Contractors are being interviewed by labor officials to learn their attitude in the proposal.

A. B. Jacobsen has been elected president of the Monterey County Builders' Exchange. Fred Ruhl was elected vice-president. The executive committee consists of Fred Ruhl, Chas. Frost, Hugh W. Comstock, Ernest Raymond and Louis H. Crane. The exchange has adopted the five-day week for all crafts, the new schedule to go into effect immediately.

Twelfth annual convention of the Canadian Construction Ass'n will be held at Chateau Frontenac, Quebec, Canada, January 28 to 30.

Sonoma County Building Trades Council has endorsed the five-day week for all building trades in the county. It is expected the plan will go into effect next month, according to A. G. Hinshaw of Petaluma, president of the council.

Members of the Monterey city council contemplate the adoption of the Uniform Building Code as prepared by the Pacific Coast Building Officials' Conference.

Plumbers operating in Santa Clara have been requested by Mayor Kohner to prepare a plumbing ordinance for submission to the city council for adoption.

National Sand and Gravel Association will meet at Memphis, Tennessee, January 28, 29, and 30.

TRADE LITERATURE

Detroit Steel Products Company, Detroit, Mich., gives a non-technical presentation of the methods used to predetermine the daylighting and aeration of industrial building in two booklets, "Industrial Daylighting" and "Industrial Aeration," containing the results of several years of experimentation by engineers of the company in co-operation with the department of engineering research of the University of Michigan. The subject matter is presented in clear and non-technical form.

Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., has issued a special publication, 1717-D, featuring engineering achievements of the Westinghouse interests, during the year 1929.

ENGINEERING SOCIETIES
EMPLOYMENT SERVICE

Further information regarding positions listed in this column is obtainable from Newton D. Cook, Room 715, 57 Post Street, San Francisco. (Phone Sutter 1684)

R-2953-S MECHANICAL DRAFTSMAN, 30-40 years, with 5 to 10 years or more experience on design and detail of various types of cranes. Permanent opportunity for a man with engineering ability and initiative. Apply only by letter with experience and photo. Salary open. Location, San Francisco.

R-2955-S ENGINEER, with theoretical training in aeronautics and some experience in airplane construction, for executive position with manufacturing company. This is a rare opportunity to connect with aviation industry and an investment of \$5000-\$25,000 is expected from the qualified applicant. Headquarters, San Francisco.

R-2951-S ENGINEER, young, preferably E. E. graduate, but degree not necessary if experience and personality are satisfactory, to sell electric motors. Permanent opportunity. Salary \$125-\$175 month. Location, San Francisco.

R-2952-S ENGINEERING SALESMAN, preferably 30-38 years, experienced in power plant operation or general mechanical, to sell lubricating oils. Must have sales personality if not experienced salesman. Salary open. Location, San Francisco.

R-2954-S SALES ENGINEER, with experience selling deepwell turbine pumps in California. Apply by letter. Salary open. Headquarters, South.

R-2931-S FIELD ENGINEERS AND TOPOGRAPHICAL DRAFTSMEN, for employment in Cuba Central and South America. Starting salaries \$125-\$175 per month plus living quarters. Apply by letter; if for drafting send samples of work. Headquarters, East.

R-2957-S ENGINEER, young, graduate with 2 or 3 years experience preferably in highway construction, for sales work. Salary during training course about \$150 month with increases as soon as ability is shown. Location, California. Headquarters, San Francisco.

STOCK MARKET AFFECTS PACIFIC
COAST BUILDING DURING YEAR 1929

One Hundred and Five Cities Report December, 1929, Totals Lower Than Those of December, 1928—Sixty-one Cities Report Totals for the Year 1929 Lower Than Those of 1928—San Francisco Shows Six Per Cent Increase in December, 1929—Building Fairly Good in Earlier Part of Year but Slacks in Latter Part Due to Stock Market Activities

The position of the building industry in its promise of stable activity during 1930 was further strengthened by December's record of permits issued in 105 Pacific Coast cities tabulated in the National Monthly Building Survey of S. W. Straus & Co. Restriction of new construction adds to the stability of demand and December's total of new buildings permitted was 35% below that of December, 1928.

Of the 105 Pacific Coast cities comprised in the survey, 69 report December totals lower than those of December of last year and 61 report totals for the year of 1929 lower than those of 1928. Of the larger cities, four show December increases: Salt Lake City, 117%; Vancouver, B. C., 56%; Seattle, 55%; San Francisco, 6%. Five report totals for the year greater than those of 1928: Vancouver, 68%; Salt Lake City, 27%; Pasadena, 17%; Long Beach 10%; Tacoma, 2%.

Although building activity during the first half of the year showed a slight increase over the comparable period of 1928, succeeding months, affected by the unprecedented popular interest in stock market operations, reflected a reduction. The third quarter of the year total of building permits issued was 19% less than that of 1928 and the fourth quarter total was 13% less.

San Francisco's 1929 total, 7,120 building permits involving \$33,682,025 in construction costs, reflects a 10% reduction from the 1928 figure but December's total is slightly greater than that of the previous year.

Los Angeles, during 1929, issued 31,-

721 permits for new buildings to cost \$93,016,160, 8% less than the 1928 total. This figure amounted to 25% of the California total for 66 cities and 24% of the Pacific Coast total for 105 cities. The December figure was 60% below that of December, 1928, and the lowest monthly total for many years.

Portland's 1929 total, 7,700 permits issued for new buildings to cost \$15,495,310, is 27% below that of 1928 and the December figure is 59% less than that of December, 1928.

Oakland, issuing 4,754 permits for \$14,317,428 of new buildings during 1929, reports a 26% reduction for the annual total compared with 1928, and a December total 57% below that of last December.

Seattle issued 7,949 permits during 1929, for buildings to cost \$29,104,770, 16% less than during the previous year. The December total shows a 55% increase.

San Diego's 1929 total, 4,586 building permits involving \$11,583,738 in costs, shows a 6% reduction from the previous year's record, while the December figure is 34% below that of last December.

From all parts of the Pacific Coast come reports indicating a gradual strengthening of demand for new housing and floor space, the result of the restricted building program of the past two years. Coincident with this comes news of many building projects being inaugurated or revived in anticipation of more ready financing than has been evident for many months.

Following are the official construction cost figures as reported by building department executives from cities comprised in the Pacific Coast Section of the National Monthly Building Survey of S. W. Straus & Co.

CALIFORNIA

City	December, 1929		December 1928		Year, 1929		Year, 1928	
	No.	Cost	No.	Cost	No.	Cost	No.	Cost
Alameda	57	\$ 47,289	\$ 145,457	737	\$ 1,404,415	\$ 2,131,396		
Alhambra	58	287,175	230,150	776	2,511,501	2,121,789		
Anaheim	15	17,185	26,571	217	427,354	400,175		
Bakersfield	61	73,775	44,845	819	1,580,216	1,462,429		
Berkeley	99	168,818	742,180	1,805	4,733,247	6,078,092		
Beveley Hills	60	364,600	458,650	1,193	8,127,292	6,606,442		
Burbank	29	36,285	85,739	450	1,271,129	2,248,662		
Burlingame	13	23,500	129,778	300	1,506,072	1,476,042		
Carmel	6	12,200	2,506	140	239,790	209,426		
Chula Vista	10	8,330	37,120	187	355,275	648,883		
Colton	7	2,000	26,150	148	142,300	191,425		
Compton	21	26,150	50,550	406	1,167,371	1,334,765		
Coronado	11	3,927	8,315	117	452,885	379,734		
Culver City	19	57,392	40,330	140	952,577	846,833		
Emeryville	3	850	160,000	55	521,065	646,442		
Eureka	21	63,040	26,465	411	765,425	496,470		
Fresno	164	113,574	39,876	1,763	1,702,842	1,771,210		
Fullerton	17	14,053	38,043	224	850,518	780,870		
Glendale	72	153,810	312,060	1,377	5,456,149	7,465,265		
Hayward	2	3,965	10,015	116	250,653	391,915		
Hollywood	99	590,260	1,025,874	1,172	17,763,366	18,280,101		
Hunt'g't'n P'k	42	80,310	156,440	768	2,370,950	2,708,502		
Inglewood	17	29,850	41,450	375	557,232	805,500		
Long Beach	336	1,103,305	2,249,520	5,633	18,149,585	16,366,737		
Los Angeles	2,201	3,992,459	10,932,321	31,721	93,016,160	101,678,768		
Lynwood	16	45,275	74,325	241	822,267	882,300		
Modesto	23	93,753	35,095	403	170,250	900,330		
Monrovia	14	16,000	22,210	265	441,000	1,052,100		
Montebello	12	29,550	33,773	154	353,493	650,677		
Monterey	22	33,165	43,895	369	853,162	681,281		
National City	10	2,940	10,250	235	251,223	187,805		

Oakland	268	485,717	1,136,091	4,754	14,317,428	19,596,240
Oceanside	10	22,566	29,825	189	340,706	608,440
Ontario	30	43,135	60,725	320	481,461	715,796
Orange	9	4,950	15,550	89	324,775	629,317
Pacific Grove	17	19,650	7,740	185	272,172	364,582
Palo Alto	29	116,610	156,547	596	1,789,793	1,513,150
Palos Verd. Est.	29	37,250	19,000	28	1,125	401,072
Pasadena	317	298,372	412,962	2,524	6,991,204	5,948,978
Petaluma	5	9,700	3,300	99	279,725	441,123
Piedmont	7	4,650	60,300	202	1,231,143	1,134,489
Pomona	60	62,175	602,600	743	1,063,130	1,912,105
Red'd'd City	37	25,541	22,350	359	683,097	1,147,734
Richmond	26	10,665	68,920	521	829,300	923,045
Riverside	48	191,623	230,995	668	1,485,348	2,008,070
Sacramento	86	117,259	212,971	1,811	4,509,244	5,576,865
Salinas	23	89,215	27,878	606	1,308,679	1,017,501
San Bern'dino	67	75,170	210,875	942	2,386,901	2,342,744
San Diego	287	780,535	1,024,896	4,586	11,583,728	12,372,600
San Francisco	465	1,617,931	1,606,700	7,120	23,682,025	37,696,362
San Gabriel	12	24,900	55,570	205	485,780	542,732
San Jose	52	77,730	76,635	929	2,468,200	2,642,500
San Leandro	8	63,100	26,600	193	915,308	591,057
San Marino	15	185,176	268,315	202	2,851,164	2,234,128
San Mateo	17	17,900	100,200	334	1,907,383	1,577,865
*San Pedro	151	311,145	263,530	1,337	3,936,986	4,039,205
San Rafael	10	36,575	44,450	181	394,370	424,244
Santa Ana	56	158,935	114,455	801	1,812,216	1,685,658
Santa Barb.	12	125,130	104,350	975	2,653,902	2,511,983
Santa Cruz	18	38,755	36,055	401	1,019,400	934,986
Santa Monica	65	95,766	110,625	965	2,987,104	3,768,592
*Santa Rosa	17	10,255	14,700	257	342,789	309,298
South Gate	28	372,475	430,170	814	2,663,380	2,639,331
So. Pasadena	25	43,840	45,600	180	580,869	1,236,457
Stockton	52	53,947	69,940	691	1,444,054	1,798,838
Torrance	17	23,525	45,765	213	606,418	1,666,979
Ventura	21	49,700	127,455	423	2,186,960	1,726,027
Vernon	15	92,635	81,203	256	1,673,004	1,981,809
Watsonville	16	19,250	11,510	187	436,750	336,420
Total	5,793	\$12,497,999	\$22,985,201	87,178	\$263,102,936	\$288,098,589

Phoenix	65	\$ 485,145	\$ 246,405	1,542	\$ 5,248,674	\$ 5,999,065
Tucson	72	245,690	475,662	1,286	3,450,922	2,650,272
Total	138	\$ 730,835	\$ 722,067	2,828	\$ 8,699,596	\$ 8,649,337

IDAHO

Boise	51	\$ 76,830	\$ 19,578	913	\$ 1,052,965	\$ 694,363
Idaho Falls	4	6,900	13,600	92	460,825	351,411
Lewiston	19	5,550	24,450	312	570,251	655,285
Nampa	30	14,605	124,312	358	320,406	408,491
Total	94	\$ 102,885	\$ 131,940	1,675	\$ 2,404,457	\$ 2,109,650

NEVADA

Reno	28	\$ 268,300	\$ 13,800	523	\$ 2,120,900	\$ 1,184,775
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OREGON

Albany	2	\$ 1,575	\$ 6,825	88	\$ 209,655	\$ 201,705
Astoria	10	6,513	16,550	218	93,153	162,900
Ekron	2	2,100	700	100	192,346	384,747
Eugene	33	61,782	17,750	406	671,722	1,276,689
Klamath Falls	35	29,715	25,010	660	1,759,810	955,046
Marshfield	3	2,950	8,050	115	165,455	119,305
Medford	21	64,400	17,655	359	650,576	553,997
Portland	395	513,225	1,261,695	7,700	15,494,310	21,275,970
Salem	35	23,801	119,100	554	2,063,792	1,602,442
Total	536	\$ 716,872	\$ 1,473,335	10,200	\$ 21,199,819	\$ 26,542,802

UTAH

Logan	8	\$ 35,000	\$ 6,000	72	\$ 353,800	\$ 372,500
Ogden	5	7,000	36,350	174	700,695	1,304,675
Provo	4	7,000	31,600	104	342,800	348,262
Salt Lake City	48	376,738	177,252	1,081	5,670,893	4,446,436
Total	65	\$ 425,738	\$ 247,702	1,431	\$ 7,069,186	\$ 6,471,873

WASHINGTON

Anacortes	8	\$ 5,300	\$ 112,200	140	\$ 135,647	\$ 268,405
Bellingham	39	24,075	50,078	654	1,769,738	1,873,321
Everett	37	55,855	44,435	1,004	1,344,455	928,123
Hoquiam	11	3,290	28,405	455	477,793	952,289
Longview	15	3,920	69,980	252	551,991	1,009,739
Port Angeles	28	38,175	3,200	227	440,265	185,691
Seattle	455	1,273,175	831,420	7,949	29,104,770	34,813,200
Spokane	97	124,331	237,957	2,306	4,148,210	5,736,778
Tacoma	160	277,090	506,520	3,253	4,761,231	4,622,765
Vancouver	10	12,485	135,585	316	487,196	1,563,583
Wenatche	4	1,980	49,545	282	282,741	683,593
Wenatche	19	26,835	89,250	385	2,110,825	1,320,765
Yakima	36	30,095	16,915	625	1,242,705	1,058,645
Total	915	\$ 1,978,181	\$ 2,231,490	17,834	\$ 46,857,567	\$ 55,016,595

BRITISH COLUMBIA

Vancouver	266	\$ 1,917,790	\$ 1,233,717	5,807	\$ 21,572,627	\$ 12,777,293
Burnaby	35	79,485	44,478	560	1,140,750	959,132
No. Van. Dist.	2	1,200	41,020	119	135,560	230,763
No. Van.	3	2,500	11,730	150	302,394	912,750
W. Van.	4	1,150	16,100	109	160,950	286,740
New West.	12	143,750	23,310	329	1,011,629	1,928,324
*Victoria	60	40,244	123,245	738	3,742,681	2,601,293
Total	322	\$ 2,145,615	\$ 1,400,365	7,374	\$ 24,324,910	\$ 16,830,942

Grand Total	106 Cities	7,901	\$18,867,425	\$29,255,900	129,043	\$376,779,431	\$404,904,662
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*Hollywood and San Pedro figures included in Los Angeles totals.

**Figures received too late to be included in totals.

A. S. M. E. TO STUDY PIPE-LINE PUMPING STATIONS

On recommendation of the Petroleum Division, the American Society of Mechanical Engineers, Main Research Committee, has authorized the organization of a Special Research Committee to study problems connected with automatic pipe-line pumping stations in the oil fields. The purpose of this project is to confer on various methods of installing equipment in automatic pipe-line pumping stations and to conduct experimental work and testing to determine which of the installations are the most efficient and reliable.

METALOS-DECORATOS "NEW MATERIAL"

Metalos-Decoratos is a new patented building material. Its uses are practically unlimited, according to Jensen & Corbett, the manufacturers, with headquarters at 6390 Sunset Blvd., Los Angeles. "It can be used for any surface requiring a decorative finish from the finest inlays in its most refined state to a finish for tar and asphalt roofing in its rougher grades," the manufacturers say. "It has the appearance of pure gold which it maintains against all conditions of weather and time. Its original luster is absolutely proof against tarish. Acid and gases have no effect whatever on it. When it is applied and finished off, it never need be cleaned or polished, as the metal from which it is made has the same resistance to tarnish that gold possesses. It can be produced at very low cost."

MAKERS OF COMMON BRICK PLAN TRADE CONFERENCE

Manufacturers of common brick representing 75 per cent of the total national production have been granted permission to hold a trade practice conference before the Federal Trade Commission, the Commission announced Dec. 27.

While no time nor place for the meeting has been determined the Commission has designated Commissioner Wm. E. Humphrey to preside.

Among subjects to be taken up at the conference with a view to adopting rules of business practice, are the following: Price discrimination, inducing breach of contract and agreement, fraud and misrepresentation, and secret rebates.

*MECHANICAL ENGINEERS TO GO TO STOCKHOLM AND LIEGE

Through its Applied Mechanics Division, The American Society of Mechanical Engineers will participate in the Third International Congress of Applied Mechanics to be held in Stockholm from August 24 to 29, 1930.

The Division has appointed a special committee, of which Dr. S. Timoshenko is chairman, to take care of the details, in connection with its part in this Congress. The field of interest in this coming convention lies in hydrodynamic and aerodynamic, theory of elasticity, and rational mechanics.

The Applied Mechanics Division of the Society is also arranging a tour of the most important European laboratories in mechanics.

Following the Stockholm Congress there will be a Congress on general mechanical engineering to be held in Liege, Belgium, from August 31 to September 7, which is being held at the same time as the Belgium International Exposition of Trades and Manufacturers, Sciences and Their Application.

Building News Section

APARTMENTS

Sub-Bids Being Taken.
APARTMENTS Cost, \$75,000
SAN MATEO, San Mateo Co., Cal.
 Baywood Park.
 Three-story and basement frame and
 stucco apartment building (ten 5-
 6- and 7-room apts.)
 Owner and Builder—Jas Steuer, 45
 Hallam St., San Francisco.
 Plans by Grimes and Schoening, Bal-
 oovich Bldg., San Mateo.

Sub-Bids Being Taken.
APARTMENTS Cost, \$12,000
CAPUCHINO MANOR, San Mateo
 Co., Cal.
 Two-story frame and stucco apart-
 ments and stores (two 3-room
 apts. and two stores).
 Owner and Builder—S. A. Born Bldg.
 Company.
 Plans by Grimes and Schoening, Bal-
 oovich Bldg., San Mateo.

Decorating and Painting Contracts
 Awarded.
APARTMENTS Cost, \$250,000
SAN FRANCISCO, NW Van Ness Ave.
 and Greenwich St.
 Six-story and basement steel frame
 and concrete (66) apartment
 building.
 Owner and Builder—Marian Realty
 Co., 110 Sutter St., San Francisco.
 Architect—Douglas Stone, Great West-
 ern Power Bldg., Oakland.
 Decorating and Painting—George
 Bros., Los Angeles, at \$1355.
 As previously reported, structural
 steel awarded to Golden Gate Iron
 Works, 1541 Howard St., S. F.
 Sub-bids are being taken on other
 portions of the work.

Sub-Figures Being Taken.
APTS.-STORE Cost, \$200,000
OAKLAND, Alameda Co., Cal. E 12th
 St. near 2nd Ave.
 Seven-story class C brick apt. and
 store building (125 rooms, 3 stores)
 Owner and Builder—L. J. Newton, 1130
 1st Ave., Oakland.
 Architect—J. W. Oliver, 3720 Foothill
 Blvd., Oakland.

Contract Awarded.
APTS.-STORES Cost, \$250,000
VALLEJO, Solano Co., Cal. Down-
 town section (exact location with-
 held).
 Seven-story fireproof (83 2- and 5-
 room) apts. and (5) stores.
 Owner—Interests represented by A. C.
 Ostrom of 3528 Emerson St., Oak-
 land.
 Plans by A. C. Ostrom.
 Contractor—Thurston Eng. & Const.
 Co., 3528 Emerson St., Oakland.

Contract Awarded.
APARTMENTS Cost, \$70,000
FRESNO, Fresno Co., Cal. Wishon
 Ave. in North Fresno District.
 English type brick (20) apartments.
 Owner—C. H. Lehman, 830 Peralta St.,
 Fresno.
 Architect—Not Given.
 Contractor—Valley Const. Co., Fresno.

Plans To Be Prepared.
APARTMENTS Cost, \$—
GLENDALE, Los Angeles Co., Cal.
 Four-story Class C brick apartments.
 Owner—Universal Income Estates, 415
 Board of Trade Bldg., L. A.
 Architect—W. W. White, 412 Colorado
 Blvd., Glendale.

To Be Done By Day's Work.
APARTMENTS Cost, \$40,000
BURLINGAME, San Mateo Co., Cal.
 El Camino Real bet. Broadway and
 Carmelita Ave.
 Two-story frame and stucco (10) apt.
 building (Spanish type; all modern
 conveniences).
 Owner and Builder—Harry H. Randles,
 1029 Paloma Ave., Burlingame.
 Architect—None.

Ornamental Iron Contract Awarded.
ALTERATIONS & ADDITION
SAN FRANCISCO, S Sacramento 154
 W Kearny St.
 Alter present two-story brick apart-
 ments and add 1 story (12 apts.)
 Owner—Kong Chow Assn., Pine near
 Kearny St.
 Architect—F. W. Dakin, 625 Market St.
 Contractor—P. Sartorio, Bldrs. Exch.
 Ornamental Iron—Patterson and Kos-
 ter Iron Works, 280 13th St.

Plans To Be Prepared.
ALTERATIONS Cost, \$—
SAN FRANCISCO, SW Broderick &
 O'Farrell Sts.
 Alterations and additions to present
 apartment building.
 Owners—E. W. and A. M. Berder, 2232
 O'Farrell St.
 Architect—Not Selected.
 Work to be done involves plaster-
 ing, steam heat, hardwood floor, new
 wall beds, new roof, painting, stucco-
 ing, plumbing (complete bathroom fix-
 tures), tile flooring, tiling.

Contract Awarded.
APARTMENTS Cost, \$145,000
MT. VERNON, Wash. South 2nd and
 Snoqualmie Sts.
 Four-story and basement brick apts.
 (31 2- and 3-room apts.)
 Owner—Interests represented by John
 E. Lydon.
 Architect—E. T. Osborn, Leary Bldg.,
 Seattle.
 Contractor—J. R. Delvendahl, 4405
 Corliss Ave., Seattle.

Plans Completed.
APARTMENTS Cost, \$400,000
PASADENA, Los Angeles Co., Cal.
 No. 50 South Grand Ave.
 Six-story apartments.
 Owner—F. O. Dunbar, J. W. Sherman
 and Walter McManus.
 Architect—Garrett Van Felt Jr., 51 S.
 Euclid Ave., Pasadena.

A Demonstration of the SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
 (Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS
 ELECTRIC DRILLS
 GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1222 Mission St. Underhill
San Francisco 1267

Plans Being Prepared.
APARTMENTS Cost, \$31,000
SAN FRANCISCO, SE Kearny and
 Chestnut Streets.
 Three-story frame and stucco studio
 apartment building (6 4-room apts.
 and 2 garages).
 Owner—Mrs. Caroline Mayes, 166
 Geary St., San Francisco.
 Architect—Clausen & Amandes, Hearst
 Bldg., San Francisco.
 Contractor—Selected, Name withheld.

Sub-Bids Wanted.
APARTMENT-HOTEL Cost, \$—
SALINAS, Monterey Co., Cal.
 Four- or six-story fireproof apartment-
 hotel.
 Owner—Walter Webbing, Salinas.
 Designer & Contractor—M. J. Murphy,
 Carmel.

Sub-bids are wanted on reinforcing
 steel, hollow tile, plumbing, heating,
 S. F. full mill, steel sash, plastering,
 glass, glazing, plate and copper. Plans
 are on file in the Builders' Exchange,
 666 Mission St., San Francisco, and
 San Jose Builders' Exchange.

January 16, 1930
 Preparing Working Drawings.
APARTMENTS Cost, \$85,000
OAKLAND, Alameda Co., Cal. Over-
 looking Lake Merritt.
 Three-story and basement frame and
 stucco apartment building (15 2,
 3 and 4-room apts.) garage to ac-
 commodate 13 cars.
 Owner—Withheld.
 Architect—Chester Treichel, Ameri-
 can Bank Bldg., Oakland.

BONDS

Bond Election Planned.
SCHOOL Cost, \$600,000
SANTA ANA, Orange Co., Cal. Julia
 C. Athrop, Jr. High School.
 Junior high school auditorium and
 new junior high school.
 Owner—Santa Ana Board of Educa-
 tion.

ALAMEDA, Alameda Co., Calif.—
 City Superintendent of Schools an-
 nounces an election will be called
 shortly to vote bonds to finance school
 improvements including two new junior
 high schools and three elementary
 schools. Appointment of an architect
 to prepare plans for the new junior
 high school for the Versailles school
 site and new structures for the Mas-
 tick, Franklin and Longfellow schools
 is now under consideration by the
 school board.

BURLINGAME, San Mateo Co., Cal.
 —Election will be held January 28 in
 Burlingame Elementary School Dis-
 trict to vote bonds of \$130,000 to
 finance erection of a new school at
 Canyon Road and Hilltop Drive and to
 purchase a new school site. In the
 Winchester Tract in East Burlingame.
 Trustees of the district are: L. A.
 Nelson, Homer J. Hankins and W. H.
 Eddy.

SAN CARLOS, San Mateo Co., Cal.
 —City council sells \$26,000 bond issue
 of San Carlos Grammar School Dist.
 for \$480 premium. Proceeds of the
 sale are to finance erection of a new
 school, plans for which are being pre-
 pared by Architect Norberg, 580 Mar-
 ket St., San Francisco.

CAMPBELL, Santa Clara Co., Cal.
—Trustees of the Campbell Union High School District will select a new site on which to erect proposed new high school building, the State Department of Education advising that the present site is insufficient for a modern school plant. After selection of a site, the trustees will call an election to vote bonds to finance erection of the proposed structure.

SPOKANE, Wash.—City School Trustees will call an election in March to vote bonds of \$625,000 to finance erection of new schools and additions and alterations to standing school buildings.

CHURCHES

Plans Being Figured.
CHURCH Cost, \$35,000
CAMARILLO, Ventura Co., Cal.
Frame and stucco church and Sunday school (seat 250).
Owner—First Baptist Church.
Architect—Harold Burkett, 455 E. Main St., Ventura.

Sketches Being Revised.
CHURCH Cost, \$700,000
SAN FRANCISCO, NE Ellis and Taylor Streets.
Eight or ten-story Class A church building (girls' dormitory, stores, publishing house, etc.)
Owner—Glede Foundation (Mrs. L. H. Glede), 162 Uplands Ave., Berkeley
Architect—James Flacheck, Mercantile Bank Bldg., Berkeley.
Rev. F. W. Rollins will be pastor.

Commissioned To Prepare Plans.
CHURCH Cost, \$110,000
HUNTINGTON PARK, Los Angeles Co., Cal. Rita and Clarendon Sts.
Two unit Class B reinforced concrete and masonry church (110x50 and 62x164-ft.).
Owner—First Baptist Church.
Architect—Harold Cross, Hellman Bldg., Los Angeles.

Plans Being Figured.
SUNDAY SCHOOL Cost, \$10,000
FRESNO, Fresno Co., Cal. Belmont and Thesta Aves.
Sunday School unit (frame and stucco construction).
Owner—Trinity Lutheran Church (Rev. Theo. Seashore, Pastor).
Architect—None.
Funds are available.

Plans To Be Prepared.
CHURCH Cost, \$—
BERKELEY, Alameda Co., Cal. Ordway and Hopkins Sts.
One-story frame and stucco church.
Owner—Westbrae Baptist Church (Rev. Earl D. Sims, Pastor).
Plans By Earl D. Sims.
Contractor—Earl D. Sims, Rose and Belvedere Sts., Berkeley.
Additional buildings to cost \$40,000 is planned for the future.

Plans Being Completed.
ORGAN Cost, \$25,000
SAN FRANCISCO, St. Patrick's Church, Mission St., bet. 3rd and 4th Sts.
Installation of organ in present church.
Owner—Roman Catholic Archbishop, 1100 Franklin St., San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.
Organ contract has been awarded to Skinner Organ Co.
Bids will be taken in about two weeks.

VALLEJO, Solano Co., Calif.—Bids will be asked shortly by Second Baptist Church congregation to erect new edifice to replace structure destroyed by fire recently. Burrell Brown, Mrs.

Della Diggs and Mrs. E. B. Wiggins are members of the building committee. L. J. Williams is church clerk.

Plans To Be Prepared.
CHURCH Cost, \$—
POMONA, Los Angeles Co., Cal. Alvarado and Gibbs Sts.
New church building.
Owner—St. Paul's Episcopal Church.
Rev. Betram A. Warren, pastor.
Architect—Not Selected.

SANTA BARBARA, Cal.—Julius A. Licker, chairman, building committee, reports that site on State St. has been purchased for Jewish temple.

Contract Awarded.
CHURCH Cost, \$10,185
SAN FRANCISCO, W Powell St. N Washington St.
One-story church building.
Owner—Board of Missions of Methodist Episcopal Church, South.
Architect—None.
Contractor—S. G. Johnson, premises.

Sub-Figures Being Taken.
CHURCH Cost, \$10,135
SAN FRANCISCO, W Powell St. N Washington.
One-story frame and stucco church building.
Owner—Board of Missions of Methodist Episcopal Church, South.
Architect—A. W. Smith, American Bank Bldg., Oakland.
Contractor—S. G. Johnson, 4652 Dolores Ave., Oakland.

Planned.
EDIFICE Cost, \$—
WASCO, Kern Co., Cal.
New edifice.
Owner—Congregational Church, Rev. J. A. McDonald, Pastor.
Architect—None.

Plans To Be Prepared.
EDIFICE Cost, \$—
DINUBA, Tulare Co., Cal.
New edifice.
Owner—First Baptist Church, Dinuba
Architect—Not Selected.

FACTORIES AND WARE-HOUSES

Sub-Bids Wanted.
LAUNDRY Cost, \$15,000
OAKLAND, Alameda Co., Cal. East Poplar St. N 22nd.
One-story concrete laundry.
Owner—Superior French Laundry, 1625 22nd St., Oakland.
Architect—R. C. Schuppert, 4627 Park Blvd., Oakland.
Contractor—Gaubert Brothers, 4725 Brookdale Ave., Oakland.
Sub-bids are wanted on roofing, plastering, brick work and painting.

Contract Awarded.
ALTERATIONS Cost, \$16,000
SAN FRANCISCO, No. 26 Bluxome Street.
Alterations to present three-story reinforced concrete office and warehouse building.
Owner—Sophie Newman, 1201 California St., San Francisco.
Architect—None.
Contractor—Industrial Constr. Co., 815 Bryant St., San Francisco.
Sub-bids will be taken in a few days.

Plans Being Prepared.
SHED Cost, \$90,000
SAN FRANCISCO, Pier No. 1.
One-story shed (reinforced concrete construction; steel columns, wood roof).
Owner—State Board of Harbor Commissioners.
Engineer—Frank White, Ferry Bldg., San Francisco.
Bids will be taken in about 60 days.

GUSTINE, Merced Co., Cal.
—George G. Stuart of Bellingham, Wash., is assembling crews preparatory to commencing erection of a plant for the Carnation Milk Company.

OAKLAND, Cal.—George P. Baldwin, vice-president of the General Electric Co., recently arrived from New York, announces that improvements will be undertaken at the Oakland plant of the G. E. Company, involving an expenditure of from \$500,000 to \$1,000,000, during the current year.

ASTORIA, Ore.—Sanborn Cutting Company's cannery plant and warehouse on the Columbia river destroyed by fire Jan. 8 with a loss of \$250,000.

Contract Awarded—Sub-Bids Being Taken.
CANNERY PLANT Cost, \$100,000 (including equipment)
SAN JOSE, Santa Clara Co., Cal. On Western Pacific Railroad.
Steel frame and part concrete cannery building.
Owner—Garden Valley Canning Co. (recently organized).
Architect—Not Given.
Contractor—Frank Hoyt, 495 S 13th St., San Jose.
Leo Pedraza, 458 N 7th St., San Jose, is president of the company and Wm. F. James, First National Bank Bldg., San Jose, attorney.

Plumbing and Painting Bids Wanted.
SHOP BLDGS. Cost, \$45,000 & \$10,000
SAN FRANCISCO, S Carroll St. N Jennings.
Two 1-story steel frame shop bldgs.
Owner—Pacific Elec. Mfg. Co., 5515 Third St.
Engineer—R. E. McLane, 5815 3rd St.
As previously reported crane awarded to Cyclops Iron Works, 337 Folsom St.; steel sash to Michel & Pfeffer Iron Works, Harrison and 10th Sts.; glass to Tyre Bros. Glass Co., 666 Townsend St.; structural steel to Herrick Iron Works, 18th and Campbell Sts., Oakland; concrete work to Adam Arras Co., 188 Stevenson St.

To Ask Bids Shortly.
TERMINAL BLDGS. Cost, \$400,000
SEATTLE, Wash. Salmon Terminal at Smith Cove.
Four 2-story, 90x240-ft. terminal bldgs. (heavy timber construction).
Owner—City of Seattle.
Engineer—J. R. West, City Port Engineer, Seattle.

Completing Plans.
LAUNDRY Cost, \$50,000
SAN DIEGO, Cal. Sixteenth and Island Streets.
One and two-story reinforced concrete laundry.
Owner—Sanitary Laundry.
Architect—A. Godfrey Bailey, 410 Hill-street Bldg., Los Angeles.

Plans To Be Prepared.
IMPROVEMENTS Cost, \$214,000
HUNTINGTON BEACH, Orange Co. Improvements to plant.
Owner—Southern California Edison Company.
Architect—None.

Wrecking Started.
BUILDING Cost, \$400,000
SAN FRANCISCO, Sansome and Merchants Sts.
Eight-story and basement Class A reinforced concrete building.
Owner—California Ink Co.
Architect—Willis Polk Co., 277 Pine St., San Francisco.
Contractor—Barrett & Hilt, 913 Harrison St., San Francisco.
Wrecking—California Wrecking Co., 665 Mission St., San Francisco.

Preparing Working Drawings.
WAREHOUSE Cost, \$—
 LOS ANGELES, Cal. Sixth St., bet.
 Alameda and Mateo Sts.
 One-story brick warehouse (76 by 138
 feet; concrete floors).
 Owner—H. W. Broughton.
 Architect—Jeffery & Schaefer, Ker-
 ckhoff Bldg., Los Angeles.

Plans Being Prepared.
WAREHOUSE Cost, \$100,000
 SAN MATEO, San Mateo Co., Cal.
 San Mateo Drive near State St.
 Three-story reinforced concrete ware-
 house (20,000 square feet of stor-
 age space; Spanish type).
 Owner—J. B. Peckman Co., 232 Main
 St., San Mateo.
 Architect—Withheld.

Plans To Be Prepared.
SHED Cost, \$—
 SAN FRANCISCO, Pier No. 15, Foot
 of Green Street.
 One-story shed (concrete walls, steel
 columns and wood roof).
 Owner—State Board of Harbor Com-
 missioners, Ferry Bldg., S. E.
 Engineer—Frank White, Ferry Bldg.,
 San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, \$50,000
 WATSONVILLE, Santa Cruz Co., Cal.
 Warehouse and general offices.
 Owner—Espendolas, Inc.
 Architect—A. W. Story, Pajaro Valley
 Bank Bldg., Watsonville.

Construction Started.
 January 15, 1930
 Sub-Contracts Awarded.
FACTORY BLDGS. Cost, \$50,000
 LIVERMORE, Alameda Co., Cal.
 Four 1-story reinforced concrete fac-
 tory buildings.
 Owner—Coast Mfg. & Supply Co. (T.
 W. Morris, President).
 Plans by Austin Co. of California.
 Contractor—Austin Co. of California,
 1924 Broadway, Oakland.
Form Lumber—E. K. Wood Lumber
 Co., Frederick and King Sts., Oak-
 land.
Reinforcing Steel—Gunn, Carle & Co.,
 444 Market St., San Francisco.
Excavating—F. H. Palmer Co., 4035
 Magee St., Oakland.
 Sub-bids are being taken on other
 portions of the work.

OAKLAND, Cal.—P. S. Luttrell
 seeks authorization of city council to
 install equipment and maintain ma-
 chine shop at 1255 First Ave.

FRESNO, Fresno Co., Cal.—United
 Grocers, Inc., 414 P St., Fresno, have
 purchased property at Inyo and R Sts.
 and will erect a modern warehouse.
 The site has a frontage of 200 feet in
 R street and 150 feet in Inyo street.

ROSEVILLE, Placer Co., Cal.—
 California Lime Products Co., has
 been authorized by the State Corpor-
 ation Department to issue stock of
 the aggregate par value of slightly
 more than \$1,500,000, of which amount
 \$750,000 is authorized to be sold to
 the public, to enable the company to
 finance construction of a plant at
 Walero, a siding of the Southern
 Pacific, just beyond Antelope, for the
 production of "dry ice" for use as a
 refrigerant. As a source of raw ma-
 terial, the company has obtained an
 option on a large limestone deposit
 located near Towle, Placer County.
 Plans of the concern also include the
 manufacture and marketing of vari-
 ous lime products. Those connected
 with the corporation are: Chas. Lum-
 bard, president; R. L. Hollingsworth,
 vice-president; William Howard, sec-
 retary; G. T. Gunston, treasurer, and
 Chas. L. Gilmore, director.

Completing Plans.
BAKERY Cost, \$500,000
 HOLLYWOOD, Los Angeles Co., Cal.
 Orange Dr., Willoughby St. and
 Romaine Ave.
 Four-story Class A steel frame and
 reinforced concrete bakery (165x
 200 feet).
 Owner—Van de Kamp's Holland Dutch
 Bakers, (L. L. Frank, President).
 San Fernando Bldg., Los Angeles.
 Architect—The McCormick Co., 41
 Park Row, New York.
 Bids will be taken shortly

OAKLAND, Cal.—Public Service
 Laundry Co., is negotiating with Fred
 T. Wood Realty Co., 1801 Franklin St.,
 Oakland, for a site on which to erect
 a modern laundry plant. Further
 mention will be made of this project
 when site negotiations are completed.

Preparing Preliminary Plans.
BOTTLING PLANT Cost, \$50,000
 BURLINGAME, San Mateo Co., Cal.
 Two-story reinforced concrete bottling
 and pasteurizing plant.
 Owner—Name Withheld.
 Architect—Wm. H. Toepke, 74 New
 Montgomery St., San Francisco.

Sub-Contracts Awarded.
STORE & BAKERY Cost, \$15,000
 SAN RAFAEL, Marin Co., Calif. 4th
 St. (45x137-ft.)
 One-story concrete store and bakery
 bldg. (3 stories).
 Owner—D. Vossbrink, 634 4th St., San
 Rafael.
 Architect—S. Helman, 605 Market St.,
 San Francisco.

Contractor—Young & Horstmeier, 461
 Market St., San Francisco.
Steel—W. S. Wenhall, 17th and Wis-
 consin Sts., San Francisco.
Lumber—Hess Lumber Co., San Ra-
 fael.
Marble—Geo. M. Eastman, 209 Mis-
 sissippi St., San Francisco.
 A new bake oven is to be installed.

Completing Plans.
MFG. PLANT. Cost, \$200,000
 OAKLAND, Alameda Co., Cal. Four-
 tenth and Poplar Sts. (180x170 ft.)
 Two-story reinforced concrete manu-
 facturing plant.
 Owner—American Creamery Co., J. A.
 Silveria, President, 1433 Cypress
 Ave., Oakland.
 Architect—Eng. Dept. of Owner.
 Work will be started in two weeks
 and will be done by day's labor by
 owners. New equipment will be in-
 stalled.

Capacity will be 10,000 pounds of
 butter, 5000 gallons of ice cream and
 from 10,000 to 15,000 gallons of milk
 daily. Present Oakland plant on Cy-
 press Ave. near Fourteenth St. will
 be converted into machine shop.

GARAGES AND SERVICE STATIONS

STOCKTON, San Joaquin Co., Cal.—
 Valley Tire Co., 242 N. San Joaquin
 St., Stockton, announces construction
 will be started shortly on a \$30,000
 super-service station, vulcanizing
 plant and tire storage and sales de-
 partment. Ed. H. Rimington and
 Frank Matteoni are owners of the
 Valley Tire Co.

Completing Plans.
AUTO BLDG. Cost, \$25,000
 NORTH HOLLYWOOD, Los Angeles
 Co., Cal. Cumpston St. and Lan-
 cershin Blvd.
 One-story Class C brick auto sales and
 service building.
 Owner—Alfred H. Prince.
 Architect—Albert E. Hansen, 6638
 Hollywood Blvd., Los Angeles.

GARAGE Cost, \$10,000
 LAKEPORT, Lake Co., Cal. Main St.
 bet. 4th and 5th Sts.
 One-story reinforced concrete garage
 and auto salesrooms, 75x85-ft.
 Owner—M. H. Dunbar, Lakeport (to be
 leased to Dunbar Chevrolet Agcy.)
 Architect—Not Given.
 Contractor—Myrl Crare, 180 Santa Ana
 Ave., San Francisco.
 Contractor Crane is now engaged in
 the construction of the Lake county
 courthouse annex and is maintaining
 temporary offices in Lakeport.

Sub-Figures Being Taken.
SERVICE STATION Cost, \$—
 LOS ANGELES, Cal. SW Washing-
 ton Blvd. and Ratterree St.
 One-story class C service station and
 garage.

Owner—Mrs. Ray Pollock, 5102 West
 20th St., Los Angeles.
 Architect—Max Maltzman, Union
 Bank Bldg., Los Angeles.
 Contractor—H. J. Becker and Sons,
 636½ Alta Vista Blvd., L. A.

To Be Done By Day's Work.
SERVICE STATION Cost, \$15,000
 SACRAMENTO, Sacramento Co., Cal.
 3030 H St.
 Service station and stores.
 Owner and Builder—Paul Prom, 2630
 L St., Sacramento.
 Architect—None.

MODESTO, Stanislaus Co., Calif.—
 City council rejects bids to erect ga-
 rage at McHenry Library. Bids re-
 ceived from M. O. Ward, \$725; E. A.
 Green, \$765; Cotner and Cotner, \$1,-
 000. All bidders of Modesto.

OAKLAND, Cal.—Union Oil Co.,
 1924 Broadway, seeks authorization
 of city council to erect and maintain
 a service station at the northwest
 corner of Lakeshore and Rand Aves.

Plans Being Figured—Bids Close Jan-
 uary 23, 11 A. M.

GARAGE Cost, \$50,000
 BERKELEY, Alameda Co., Cal. Ox-
 ford and Addison Sts.
 One-story Class C steel frame and re-
 inforced concrete garage.
 Owner—University of California, Ber-
 keley.
 Architect—W. H. Ratcliff Jr., Cham-
 ber of Commerce Bldg., Berkeley.
 Lessee—Langhorne-Thomas Co., 2573
 Shattuck Ave., Berkeley.
 Plans are obtainable from the
 Cashier's Window, California Hall,
 Berkeley, on deposit of \$50, return-
 able.

Plans Completed.
AUTO SALES BLDG. Cost, \$—
 SAN FRANCISCO, Broadway and
 Battery Street.
 One-story and basement reinforced
 concrete auto sales and service
 building.
 Owner—A. A. Maggiori Co., 123 Jack-
 son St., San Francisco.
 Engineer—L. H. Nishkan, 525 Mar-
 ket St., San Francisco.
 Bid will be called for within a
 few days.

Plans Completed.
STATION Cost, \$—
 SAN FRANCISCO, Columbus Ave.
 and Lombard Street.
 Super service station.
 Owner—J. B. De Marla, 114 Sansome
 St., San Francisco.
 Architect—M. J. Lyon, 916 Kearny
 St., San Francisco.
 Will house auto supply and access-
 ory department, washing and greas-
 ing equipment, electric and radio
 sales shop and storage basement.
 Permit to erect and maintain pend-
 ing.

quired for plans; obtainable from Bureau.

CALIFORNIA—Following contracts awarded by Bureau of Yards and Docks, Navy Department, in connection with improvements at San Diego: Spec. 6054, repairs to concrete pier, air station, San Diego, Barclay & Schanley, 2353 Columbia St., San Diego, item 1, \$2196, 90 calendar days. Spec. 6060, San Diego, landing floats and moorings, Ira M. Johnson, 2328 Isis St., San Diego, \$4926, 120 days.

Spec. 6020, San Diego, tiling galley floors, Sunset Tile & Marble Co., 1327 N. Sycamore St., Los Angeles, \$12,747, 120 days.

Spec. 6063 San Diego, replacing vault lights at hospital, San Diego, Building Specialties, Inc., 529 W. G St., San Diego, \$1550, 60 days.

PHOENIX, Ariz.—Until Feb. 5, 2 P. M., bids will be received by John B. Brown, superintendent, Phoenix Indian School, to furnish and deliver 301 steel casement windows, swing out, standard weight, to be furnished with individual screens No. 16 mesh which shall be so constructed that the screen wire can be removed and replaced, and which shall be designed to lie flat against the inside of the casement frame, also furnished with operating hardware extending through or under the bottom rail permitting operation without moving the screens. Frames to include glazing clips, steel casement putty, one pound of mastic cement to each ter. lineal feet of frame, anchor clips and bolts. Frames to be equipped with extension friction hinge. Each casement shall be drilled and tapped at both jambs near the head, and machine screws inserted for attaching standard shade brackets such as are available from manufacturers of fixtures and from local stores. All equal to the catalog of Truscord Steel Company.

SAN DIEGO, Cal.—The Secretary of the Navy has recommended the expenditure of the sum of \$1,501,500 during 1930 for improvements at the naval base at San Diego. The recommendations include the following projects: Metal air-craft structure shop, \$130,000; gymnasium and welfare building, \$150,000; seven land plane hangars, \$275,000; mess hall and galley for enlisted men, \$173,500; barracks for enlisted men, \$348,000; and \$426,000 for a new floating dry dock.

SAN DIEGO, Calif.—Until February 12, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. No. 5522, for extension of shop and battery and metal shop at the naval air station, San Diego, Calif.; deposit of \$25 required for plans, obtainable from above.

BURLINGAME, San Mateo Co., Cal.—Until January 24, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for furniture, screen, line equipment and lock boxes for Burlingame postoffice, Station A. Further information obtainable from above or from the Custodian of the Postoffice at Burlingame.

SAN DIEGO, Calif.—Mangrum-Holbrook Co., 1233 Mission St., San Francisco, at \$15,372 awarded contract by Bureau of Yards and Docks, Navy Department, under Specification No. 5523 for kitchen and cafeteria equipment for San Diego; items 1 and 2 being accepted.

HALLS AND SOCIETY BUILDINGS

OAKLAND, Cal.—Alameda County Labor Temple Association, Ltd., has been authorized by the State Corporation Department to sell \$175,000 worth

of second mortgage 4% gold notes to finance the purchase of the Van and Storage Building at 12th and Oak Sts., which will be remodeled for permanent headquarters of the labor organizations in Oakland. Quarters of the labor interests are now maintained at 480 Twentieth Street.

Bids In—Under Advise ment.
CLUB BLDG. Cost, \$50,000
Total Cost of Imp., \$400,000
MILLBRAE, San Mateo Co., Cal.
One and one-half-story frame and stucco Spanish type club house.
Owner—Union League Golf & Country Club (Subsidiary of Union League Club).

Architect—Willis Polk Co., 277 Pine St., San Francisco.
An 18-hole golf course is now under construction.

MANTECA, San Joaquin Co., Cal.—As previously reported, city council has granted building permit to Manteca American Legion, Inc., to erect a clubhouse on Yosemite Ave. Will be one-story brick construction, 30 by 70 ft. Funds are available for construction.

SANTA CRUZ, Santa Cruz Co., Cal.
Harry W. Speas Camp, United Spanish-American War Veterans, has leased the second floor of the Williamson and Garrett Building, opposite the postoffice and will remodel and equip the quarters for club and meeting rooms.

Sub-Bids Being Taken.
CLUB BLDG. Cont. price, \$297,000
BERKELEY, Alameda Co., Cal.
Durant Ave. bet. Ellsworth and Fulton Streets.

Six-story class A club building; swimming pool, banquet halls, reception rooms, dormitories and roof garden.

Owner—Berkeley Women's City Club.
Architect—Miss Julia Morgan, Merchants' Exch. Bldg., San Francisco
Contractor—K. E. Parker, 135 S Park St., San Francisco.

Bids To Be Taken Within One Week
LODGE BLDG. Cost, \$40,000
MARTINEZ, Contra Costa Co., Cal.
Two-story Class C brick and steel lodge building.
Owner—Masonic Hall Assn., Martinez
Architect—Russell Guerne De Lappe, 1710 Franklin St., Oakland.

Plans Being Figured—Bids Close Feb. 4th, 10, A. M.
RECREATION CENTER Cost, \$10,000
BERKELEY, Alameda Co., Cal.
Russell and Curtis Sts.

One-story frame and stucco recreation center.

Owner—City of Berkeley.
Architect—James C. Plachek, Mercantile Bank Bldg., Berkeley.
Will contain auditorium, girls' and boys' showers and locker rooms, moving picture booth and stage.

BURLINGAME, San Mateo Co., Cal.
Construction has been started on an annex to the Burlingame Baptist Church to be occupied as club quarters by the American Legion, Burlingame Post No. 163. Work is being carried on by day labor under the supervision of E. L. Norberg, architect, 530 Market St., San Francisco.

WILLOWS, Glenn Co., Calif.—New England Furniture Co., Willows, at \$3,825.50 awarded contract by county supervisors to furnish and install furniture in American Legion Memorial Hall at Willows. H. S. Crocker and Co., San Francisco, only other bidder at \$4100. Bids for chairs in connection with this structure were taken under advisement.

Plans Being Figured—Bids Close Feb. 11th.

MEMORIAL BLDG. Cost, \$60,000
ORLAND, Glenn Co., Cal.
Two-story reinforced concrete American Legion Memorial Bldg.
Owner—County of Glenn.
Architect—J. C. Petersen, California State Life Bldg., Sacramento.

Will have stucco finish with varicolored terra cotta trimmings. Auditorium will seat 1200 and will be 112x60-ft. club room 37x21-ft., Legion hall 23x32-ft., recreation room, 21x24-ft. Interior finish of gum wood and white maple floor in auditorium. Plans are on file in the office of the county clerk at Willows and are obtainable from the offices of the architect.

Plans Being Figured—Bids Close Feb. 11, 10 A. M.

MEMORIAL BLDG. Cost, \$27,000
CORNING, Tehama Co., Cal.
Solano St. and Houghton Ave.
Brick memorial building.
Owner—County of Tehama.
Architect—Starks & Flanders, Forum Bldg., Sacramento.

Plans are on file in office of county clerk and are obtainable from the offices of the architects.

REDWOOD CITY, San Mateo Co., Cal.—City council has voted to construct a clubhouse on the Municipal Harbor for the Redwood City Yacht Club; estimated cost \$2500. Club will pay a rental of \$25 a month on a long-time lease in addition to placing \$500 as security.

HOSPITALS

Preparing Working Drawings.
LABORATORY BLDG. Cost, \$20,000
with equipment
SAN FRANCISCO. Sutter and Scott Streets.

One-story frame and stucco laboratory building.
Owner—Mt. Zion Hospital, Premises.
Architect—Arthur Brown Jr., 251 Kearny St., San Francisco.
Bids will be taken in three weeks.

Plans Being Completed.
SURGICAL WING Cost, \$750,000
SAN FRANCISCO. Clay and Webster Streets.

Six-story Class A steel frame and concrete surgical wing.
Owner—Stanford University Hospital, Premises.
Architect—John Bakewell and Arthur Brown Jr., 251 Kearny St., San Francisco.

Bids will be called for sometime in February.

PITTSBURG, Contra Costa Co., Cal.
—Miss Kate Hanson, operating the Fair Oaks Hospital at Stockton, assisted by a number of physicians, proposes to finance erection of a \$20,000 hospital in this city. Will have capacity of from 10 to 15 beds.

Plans Being Figured—Bids Close Jan. 23, 11 A. M.
WARD ANNEX Cost, \$40,000
SANTA ANA, Orange Co., Cal.
Contiguous ward annex to hospital (70x150 feet).
Owner—County of Orange.
Architect—Frederick H. Eley, 316 W. E. Otis Bldg., Santa Ana.

Low Bidder.
REFRIGERATION SYSTEM \$189,997
LOS ANGELES, Cal. General Hospital.

Refrigeration system.
Owner—County of Los Angeles.
Architect—None.
Low Bidder—Jewett Refrigerator Co., 723 Story Bldg., Los Angeles.

PITTSBURG, Contra Costa Co., Cal.—Rev. L. A. Naell, pastor of the local Catholic Church, announces sites are being considered on which it is proposed to erect a private hospital to be financed and operated by Catholic Sisters. Kate Hanson, operating a hospital in Stockton, also proposes to erect a modern hospital in association with local physicians.

Low Bidder.
HOSPITAL Cost, \$378,030
LOS ANGELES, Cal.—General Hospital.
Cement finish for new hospital.
Owner—County of Los Angeles.
Architect—None.
Low Bidder—Weymouth Crowell Co.,
2104 E-15th St., Los Angeles.

Low Bidder.
PAGE SYSTEM Cost, \$413,610
LOS ANGELES, Cal. General Hospital.
Installing doctors' page system.
Owner—County of Los Angeles.
Architect—None.
Low Bidder—Newbery Electric Corp.,
726 S-Olive St., Los Angeles.

Plans Being Prepared.
HOSPITAL Cost \$100,000
(exclusive of equipment)
BAKERSFIELD, Kern Co., Cal. 1 St.
south of present structure.
Three-story and basement steel, concrete and brick hospital.
Owner—San Joaquin Hospital (Miss Minnie H. Freise, superintendent)
Architect—Symmes & Cullimore, Haberfelde Bldg., Bakersfield.
First unit will have capacity of 22 beds and will be equipped with X-ray apparatus and other modern hospital equipment.

HOTELS

SAN FRANCISCO—Homer F. Curran, manager of the Curran and Geary Theatres and Herman Wobber, joint owner with Curran, announce that negotiations are under way to sell the property to interests whose identity is not disclosed and whose intention is to erect a skyscraper hotel costing several million dollars. Plans call for the removal of the two theatre buildings which afford a 250 ft. frontage on Geary street just west of Mason street. Harry Marquard, owner of the property at Geary and Mason streets, adjoining the theatres sites has not been approached on the sale of his land.

Plans To Be Prepared.
ANNEX Cost, \$—
SAN FRANCISCO. Geary St. between Taylor and Jones Sts.
Fireproof annex for hotel.
Owner—El Cortez Hotel (Mortimer A. Samuels), Geary St. near Taylor.
Architect—Not Yet Selected.

Preliminary Plans Being Prepared.
HOTEL-APTS. Cost, \$300,000
SAN FRANCISCO. SW California and Taylor Sts. (137x200-ft.)
Twenty-six-story class A reinforced concrete hotel and apt. bldg. (200 rooms and 4- to 10-room apts.)
Owner—E. B. De Golla, et al (Cahill Bros.), 206 Sansome St.
Architect—Weeks & Day, 405 Montgomery St.
Will be known as "The Portals".
Proposed project is in a very preliminary stage.

Plans Being Prepared.
ADDITION Cost, \$60,000
EUREKA, Humboldt Co., Cal.
Addition to present hotel (English half timber construction).

Owner—Eureka Inn.
Engineer—Frederick Whitton, 363 Pine St., San Francisco.

Work consists of a coffee shop, kitchen, laundry and new street front. Plans will be ready for bids about Feb. 1st.

Plans Being Prepared.
IMPROVEMENTS Cost, \$150,000
ST. HELENA, Napa Co., Calif. Two miles west of St. Helena.
Rebuild and enlarge resort buildings.
Owner—White Sulphur Springs of California.
Architect—M. J. Lyon, 916 Kearny St. (Room 801), San Francisco.

The White Sulphur Springs Co. was recently incorporated with Roy H. Mercier as president, John C. Watson, vice-president, and F. L. Ipsen, secretary. Scott Wilson of San Francisco will handle advertising in connection with the company. It is proposed to have construction completed before the summer months.

TURLOCK, Stanislaus Co., Cal.—Turlock Chamber of Commerce is considering proposal to finance erection of a modern community hotel. A temporary organization will be perfected to investigate the need for such a structure. C. C. Carlson of Turlock presided at the meeting. Louis D. Barr of Berkeley presented information on similar structures in other Central and Northern California cities.

Completing Plans.
HOTEL Cost, \$350,000
CRESCENT CITY, Del Norte Co., Cal. Eight-story reinforced concrete hotel building (200 rooms and baths; 200x 80-ft.)

Owner—Crescent City Hotel Co., Ltd. Architect and Contractor—V. D. J. Lirdini and G. Herr, Jr., associated, 306 Plaza Bldg.
Bids will be called for shortly.

Contemplated.
HOTEL, ETC. Cost, \$500,000
OAKLAND, Alameda Co., Cal. SE Eleventh and Franklin Sts.
Hotel and garage (height and type of construction not determined).
Owner—Louis Saroni, Fourth and Harrison Sts., Oakland.
Architect—Not Selected.

ICE AND COLD STORAGE PLANTS

BAKERSFIELD, Kern Co., Calif.—Central California Ice Co.'s plant destroyed by fire Jan. 11 with a loss of between \$75,000 and \$100,000, partially covered by insurance.

LOS ANGELES, Cal.—County Architect Karl Muck has completed and filed with the Board of Supervisors plans for ice machine, motors, and condensers at the Los Angeles county farm. Bids will be asked within the next few weeks.

POWER PLANTS

HUNTINGTON PARK, Los Angeles Co., Cal.—The Southern California Edison Co. has announced that approx. \$24,600 will be expended for extensions and betterments in the Vernon District during 1930. The Vernon district includes Vernon, Bell, Florence, Home Gardens, Huntington Park, Maywood, South Gate and Graham.

PIXLEY, Tulare Co., Cal.—Southern California Edison Co., Los Angeles, plans to construct sub-station at Pixley, which together with line construction will involve an expenditure of \$199,000.

WENATCHEE, Wash. — Puget Sound Power & Light Co., Stuart Bldg., Seattle, plans immediate construction of a 200,000-horsepower hydroelectric development at Rock Island, on the Columbia River, near Wenatchee. The completed project will cost approximately \$15,000,000.

LODI, San Joaquin Co., Cal.—Nelson Eckhart, engineer with the San Francisco Department of Public Works, has submitted estimates of cost to the Lodi city council for that city's power project on the Mokelumne river. Several alternative proposals are submitted for the dam which will cost approximately \$98,185 with appurtenances: Roads and preliminary, \$4,000; land and rights of way, \$7,500; head-works and track works, \$15,749; power house and penstocks, \$73,629; crane, \$5,000; hydraulic installation, \$5,810; generators and switchboards, \$67,297; transformers and high tension switch-rooms, \$18,654; auxiliaries and miscellaneous, \$5,000; transmission and phone lines, \$69,625; transformers and stations, \$20,832; operator's cottage, \$4,000; engineering and overhead, \$68,142; total \$522,425.

SANTA MARIA, Santa Barbara Co., Cal.—Steps are being taken to construct a 18-mile telephone line connecting the Cuyama Valley with Santa Maria. It is proposed that the counties of Santa Barbara and San Luis Obispo, the State Highway Commission and the U. S. Forestry Service finance the work, estimated by the Santa Barbara Telephone Co. to cost \$8,000.

TULARE, Cal.—The Southern California Edison Co. planning to construct substations at Cotel and Bliss, Tulare county, during 1930. The total amount to be expended for construction and betterments in this district is \$446,400.

MERCED FALLS, Merced Co., Cal.—San Joaquin Light & Power Co., Power Bldg., Fresno, is preparing plans for a new hydro-electric plant at Merced Falls with a capacity of 4000 k. w., it is announced by A. Emory Wishon, vice-president and general manager of the company.

BUTTONVILLOW, Kern Co., Cal.—San Joaquin Light & Power Co., Power Bldg., Fresno, is preparing plans for a \$3,500,000 steam plant with a capacity of 35,000 k. w. Natural gas from the Kettleman Hills oil fields of Fresno and Kings counties will be used for fuel, according to A. Emory Wishon, vice-president and manager of the company.

PORTLAND, Ore.—Portland Electric Power Co. will spend \$4,300,000 in improvements during the current year which will include one 400,000 h. p. water wheel for the Oak Grove plant and a 46,000 h. p. steam turbine will be installed in the East Lincoln St. plant. The cost of these two additions will be approximately \$2,602,000.

WENATCHEE, Wash. — Stone and Webster, Inc., Stuart Bldg., Seattle, at \$6,000,000 awarded contract by Engineers Public Service Corp. to construct the first unit of a \$15,000,000 hydroelectric project at Rock Island on the Columbia river, near Wenatchee. The work will be undertaken for the Puget Sound Power and Light Co., a subsidiary of the Engineers' Public Service Corp. Initial generating capacity will be approximately 80,000-hp. Provision will be made in the power house for additional units that will be added until a maximum of 240,000-hp. has been installed.

LOS ANGELES, Cal.—Until 10 A. M., Jan. 21, bids will be received by the water and power department, D. P. Nicklin, purchasing agent, 207 S. Broadway, for cedar poles under Adv. 1277.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

DELANO, Kern Co., Cal.—City trustees will ask bids shortly to erect a one-story brick or tile, reinforced with concrete, 30x30 ft., addition to firehouse. Will have 12-inch walls. Stucco facing will be specified.

PORTERVILLE, Tulare Co., Cal.—City Board of Library Trustees proposes to install additional shelving in municipal library.

FRESNO, Fresno Co., Cal.—Fresno County Chamber of Commerce authorized calling of meeting for advisability of requesting board of supervisors to make survey of county building needs in way of new structures, including hall of records and jail building.

LOS ANGELES, Calif.—Both the board of supervisors and city council formally approved lease contract whereby city and county will each appropriate sum of \$225,000 for increasing seating capacity of Coliseum at Exposition Park. Architects John and D. B. Parkinson, 808 Title Insurance Bldg., Upper half of the coliseum will be removed and reconstructed of reinforced concrete and permanent concrete seats provided.

SAN JOSE, Santa Clara Co., Cal.—Civic organizations and local citizens urge the supervisors to start proceedings to secure the erection of a new county jail building, declaring that the present building is in a "foul and inadequate" condition.

RENO, Nevada.—Until Feb. 11, 7:30 P. M., bids will be received by Board of Trustees of Washoe County Library, Reno, to furnish and install in Washoe County Library, 12-ft. of steel railing and 91-ft. of steel shelving. Specifications obtainable from the office of the Librarian at Reno.

Plans Being Figured—Bids To Be Opened Feb. 4, 10 A. M.
LIBRARY Cost, \$275,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Kittredge St. Reinforced concrete and steel Class A public library (50 ft. high).
Owner—City of Berkeley, E. M. Hann, City Clerk.

Architect—James W. Plachek, Mercantile Bank Bldg., Berkeley.
Heating Engineers—Leland & Haley, 58 Sutter St., San Francisco.

FAIRFIELD, Solano Co., Cal.—Until February 4, bids will be received by G. G. Halliday, county clerk, to erect branch county and city jail building in town of Rio Vista. Plans on file in office of county clerk.

Commissioned To Prepare Plans.
ADDITION Cost, \$50,000
RENO, Nevada.
Class A addition to county courthouse.
Owner—County of Washoe.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno.

The addition will provide additional offices for county and court departments, probably law library and jury rooms.

Preparing Working Drawings.
COUNTY BLDG. Cost, \$150,000
VENTURA, Cal.
Three-story stone tile annex to county building (jail and offices).

Owner—County of Ventura.
Architect—Harold Burkett, 455 E. Main St., Ventura.
Will be connected to existing building by bridge.

Plans Being Figured—Bids Close Feb. 11, 2 P. M.

ADDITIONS Cost, \$300,000
SAN FRANCISCO. Civic Center.
Two six-story Class A wing additions to State Building and one-story and basement connecting passage.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Will be steel frame, granite masonry wall, and part reinforced concrete construction. Floor area approx. 45,500 square feet.

Bids will be considered for a general contract with separate bids for mechanical equipment including plumbing, heating and electrical work. Separate bids will be received for electric work and for plumbing and heating. Combined bids will also be considered covering all three branches of the work.

See call for bids under official proposal section in this issue.

RESIDENCES

Preparing Working Drawings.
RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Cal. Maroga Road.

Two-story and basement frame and stucco residence.

Owner—Withheld.
Architect—Guy L. Brown, American Bank Bldg., Oakland.

Bids will be taken in 30 days.

Bids Opened.
RESIDENCE Cost, \$20,000.
OAKLAND, Alameda Co., Cal. Piedmont Estate.

Two-story brick veneer residence.
Owner—F. H. Wiley, 230 Mountain St. Piedmont.

Architect—Miller and Warnecke, 1404 Franklin St., Oakland.

Thos. Furlong, 460 Jerome Ave., Oakland..... \$20,900
T. D. Courtright, Oakland..... 21,391
Heath & Wendt, Berkeley..... 21,833
F. C. Stole, Oakland..... 22,200
B. F. Woolley, Oakland..... 22,386
Jensen & Pedersen, Oakland..... 22,575

All bids taken under advisement.

Contract Awarded.
RESIDENCE Cost, \$85,000
BEVERLY HILLS, Los Angeles Co., Cal. No. 906 N. Canon Drive.
Two-story 20-room frame and stucco residence.
Owner—John McGrath.
Architect—Stanley L. Pedersen, 1626 N. Vine St., Los Angeles.
Contractor—A. L. Dickie and D. W. Gillies, 7334 Franklin Ave., Los Angeles.

To Be Done By Day's Work.
RESIDENCE Cost, \$14,000
BERKELEY, Alameda Co., Cal. 858 Euclid Ave.
Three-story 10-room frame and stucco residence.
Owner and Builder—J. A. Schaal, 931 56th St., Oakland.
Plans by W. E. Brown, 3605 Mangels Ave., Oakland.

STOCKTON, San Joaquin Co., Cal.—H. E. Vickroy, 1122 N. Commerce St., Stockton, at \$1569 awarded contract by county supervisors to erect a ferryman's cottage at McDonald Island Ferry.

Bids In—Under Advisement.
RESIDENCE Cost, \$12,000
SARATOGA, Santa Clara Co., Cal. One-story and basement six-room and garage hollow tile residence.
Owner—Harry Bogart, 609 Sutter St., San Francisco.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.

Bids have been turned over to owner for approval.

Contract Awarded.
RESIDENCE Cost, \$20,580
OAKLAND, Alameda Co., Cal. Piedmont Estate.
Two-story brick veneer residence.
Owner—F. H. Wiley, 230 Mountain St. Piedmont.
Architect—Miller and Warnecke, 1404 Franklin St., Oakland.
Contractor—Thomas Furlong, 460 Jerome Ave., Oakland.

Plans Being Completed.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Cal. Two-story frame and stucco residence (11 rooms, 5 baths, social hall and maid's room).
Owner and Builder—A. M. Schulte, 459 Carnell Ave., San Mateo.
Architect—Grmes & Schoening, Balovich Bldg., San Mateo.
Sub-bids will be taken in one week.

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Plans Being Figured.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. Men-
lo Place.
Two-story 9-room frame and stucco
Spanish type residence.
Owner—Name Withheld.
Architects—Sidney, Noble and Archie
Newsom, Federal Realty Building,
Oakland.

Plans Being Figured.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. San
Luis Road.
Two-story 8-room English type frame
and stucco residence.
Owner—Name Withheld.
Architects—Sidney, Noble and Archie
Newsom, Federal Realty Building,
Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$25,000
PIEDMONT, Alameda Co., Calif. St.
James Wood.
Owner—Name Withheld.
Architects—Sidney, Noble and Archie
Newsom, Federal Realty Building,
Oakland.

Contract Awarded.
INCINERATOR Cost, \$—
HILLSBOROUGH, San Mateo Co., Cal.
Easton Road.
Install incinerator.
Owner—Paul Fagan, premises.
Architect—None.
Incinerator—Kern Incinerator Co., 450
Clementina St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$11,000
SAN JOSE, Santa Clara Co., Calif.
Edgemont Tract.
Two-story 8-room frame and stucco
residence.
Owner—Jamison & Jolimar, Bank of
San Jose Bldg., San Jose.
Architect—J. C. Fernacy, care owner.

Plans Being Completed.
BUNGALOW COURT Cost, \$45,000
BURLINGAME, San Mateo Co., Calif.
Bayshore Highway.
Frame and stucco bungalow court.
Owner and Builder—Oswald & Ruck-
er, Mills Bldg., San Francisco.
Architect—Ed. Musson Sharpe, 525
Market St., San Francisco.
Sub-bids will be taken in one week.

Completing Plans.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. North
Cragmont.
Two-story frame and stucco residence
Owner—E. L. Snyder.
Architect—E. L. Snyder, 2101 Shat-
tuck Ave., Berkeley.
Bids will be taken in one week.

Completing Plans.
RESIDENCE Cost, \$20,000
NORTH BERKELEY, Alameda Co.
Two-story 12-room frame and stucco
residence (English type).
Owner—Dr. Donald.
Architect—E. L. Snyder, 2101 Shat-
tuck Ave., Berkeley.
Plans will be ready for bids in one
week.

Plans Being Prepared.
RESIDENCE Cost, \$15,000
PIEDMONT, Alameda Co., Cal.
One-story 9-room frame and stucco
residence with tile roof.
Owner—Mr. Bernhelm.
Architect—E. L. Snyder, 2101 Shat-
tuck Ave., Berkeley.
Bids will be taken in about two
weeks.

MARYSVILLE, Yuba Co., Cal.—
V. H. Triplett, 1202 H Street, Marys-
ville, at \$20,000 awarded contract by
Miss Elaine Wilbur to erect a Span-
ish type, seven-room residence on the

Wilbur farm in the Nuestro district
of Sutter County, including the erec-
tion of a two-car garage, a machine
shed, a bunkhouse for 30 men, and a
tankhouse. Construction is to be
started at once.

Preparing Working Drawings.
RESIDENCE Cost, \$25,000
BERKELEY, Alameda Co., Cal. Clare-
mont Pines.
Two-story frame and stucco residence
(all modern conveniences).
Owner—R. N. Croninger, Berkeley.
Architect—E. L. Snyder, 2101 Shat-
tuck Ave., Berkeley.
Bids will be taken during February.

Contract Awarded.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Crag-
mont Avenue.
Two-story frame and stucco residence
Owner—Dr. A. L. Jensen.
Architect—E. L. Snyder, 2101 Shat-
tuck Ave., Berkeley.
Contractor—E. D. Bramlage, 867 Ar-
lington Ave., Berkeley.

LOS GATOS, Santa Clara Co., Cal.
—Residence of St. John Whitney in
Pierce Road was destroyed by fire
January 7. The loss is estimated at
\$40,000 including contents and is not
covered by insurance. Whitney is
president of the Leslie Salt Company.

PITTSBURG, Contra Costa Co., Cal.
—Construction will be started at once
by the Mt. Diablo Constr. Co., Pitts-
burg, on five one-story frame and
stucco homes in Montezuma Ave. for
Clara Ronning; estimated cost \$3500
each.

Contract Awarded.
ALTERATIONS Cost approx. \$25,000
HILLSBOROUGH, San Mateo Co., Cal.
Alterations and additions to present
residence.
Owner—George Hearst.
Architect—Miss Julia Morgan, Mer-
chants' Exchange Bldg., San Fran-
cisco.
Contractor—Charles Stockholm, Russ
Bldg., San Francisco.

Permit Applied For.
RESIDENCE Cost, \$12,000
PALO ALTO, Santa Clara Co., Calif.
1415 Hamilton Ave.
Two-story frame and stucco residence.
Owner—Howard L. Gray, 1551 El Ca-
mino Real, Palo Alto.

OAKLAND, Cal.—City council is
considering resolution to finance erec-
tion of a residence (or "White House")
for the mayor of the city. The
structure would be occupied exclusiv-
ly by the chief executive of the city.

Plans Being Prepared.
RESIDENCE Cost, \$—
SAN FRANCISCO.
Two-story frame and stucco residence
Owner—Mrs. Horace Dawson.
Architect—Enri E. Cavasso, 235 Third
Ave., San Mateo.

Plans Being Prepared.
RESIDENCE Cost, \$20,000
SAN MATEO, Cal. Baywood Park.
Two-story frame and stucco residence
Owner—W. C. Schneider, San Fran-
cisco.
Architect—Enri E. Cavasso, 235 Third
Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, \$5291
BERKELEY, Alameda Co., Cal.
One-story frame and stucco residence.
Owner—Britha Huson.
Architect—Wm. W. Wurster, 260 Cal-
ifornia St., San Francisco.
Contractor—Erich Trammal, 482 Cres-
cent Ave., Oakland.

Preparing Plans.
RESIDENCE Cost, \$—
MESA, Arizona. 40-acre site.
Large masonry residence.
Owner—W. M. Billingsley.
Architect—E. Kopta, Phoenix, Ariz.

Plans Being Prepared.
RESIDENCE Cost, \$20,000
GILROY, Santa Clara County, Calif.
Bloomfield Ranch.
One-story Spanish type frame and
stucco residence, with tile roof,
barn and service building.
Owner—Laurence Kelly.
Architect—Herman Krause, Bank of
San Jose Bldg., San Jose.
Bids will be taken about Feb. 1.

Plans Being Prepared — Contract
Awarded
RESIDENCE Cost, \$55,000
MONTEREY, Monterey Co., Cal. On
Seventeen-Mile Drive.
Residence.
Owner—Glen Holt.
Architect—Enri E. Cavasso, 235 Third
Ave., San Mateo.
Contractor—Sierra Constr. Co., Ltd.,
San Mateo.

Contract Awarded.
RESIDENCES Cost, \$11,000
SAN FRANCISCO. S Filbert St. E
Divisadero St.
Two two-story and basement frame
and stucco residences.
Owner—St. George Holden, Russ
Bldg., San Francisco.
Architect—C. F. Strothoff, 2274 15th
St., San Francisco.
Contractor—W. L. Terry, 90 Allston
Way, San Francisco.

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SCHOOLS

Plans Being Prepared.

ADDITION Cost, \$30,000
BAKERSFIELD, Kern Co., Cal. Shafter and McFarland Sts.
 Additions to Junior High School.
 Owner—Board of Education.
 Architect—Symmes & Cullimore, Habersfield Bldg., Bakersfield.

Commissioned to Prepare Plans.
OFFICES Cost, \$90,000
TEMPE, Arizona. Campus of Arizona State Teachers' College.
 Two-story and basement, 50x80-foot, pressed brick administrative office building.

Owner—State of Arizona.
 Architect—Lescher & Mahoney, Bank of Arizona Bldg., Phoenix.

Plans Being Figured.
SCHOOL Cost, \$150,000
LYNWOOD, Los Angeles Co., Cal.
 Two-story concrete Junior High School.

Owner—Compton Union High School District.
 Architect—Marsh, Smith & Powell, 514 Architects Bldg., Los Angeles.

Construction Started.
EDUCATIONAL BLDG. Cost, \$65,000
SAN DIEGO, Cal. Tenth and E Sts.
 Three-story reinforced concrete and steel educational building.
 Owner—First Baptist Church.
 Architect—None.

Plans Being Prepared.
SCHOOL Cost, \$200,000
PITTSBURG, Contra Costa Co., Cal.
 Group of four brick Junior High School buildings.
 Owner—Pittsburg School District.
 Architect—Davis-Pearce Co., Grant and Weber Sts., Stockton.

Contracts Awarded.
ADDITION Cost, \$—
HANFORD, Kings Co., Cal.
 Additional unit for high school.
 Owner—Hanford Joint Union High School District.
 Architect—Shields, Fisher & Lake, 1501 Pacific Southwest Bldg., Fresno.

Carpentry, Etc., "A"
 Irwin & Hopkins, Fresno.....\$17,042
 W. T. Harris.....17,390
 D. A. Moore.....18,633
 Brown & Houghman.....19,320
Masonry, "B"
 Paul Kinder, Fresno.....\$3520
 E. G. Westlake.....3840
 D. A. Moore.....3982
 J. L. Smith.....4087
 John Brown.....4490
 M. B. Wood.....4997

Painting "C"
 Raphael Co., 270 Tehama St., San Francisco.....\$1318
 Alhambra Wall Paper & Paint Co.....1390
 M. W. Hancock.....1545
 H. Vincent.....1650
 W. W. Spencer.....1775
 Schutz Paint & Wall Paper Co.....2912

Roofing, "D"
 O. H. Willoughby, Tulare.....\$1195
 D. H. Hoffman.....1250
 Faris Osborne Co.....1255
 Valley Lumber Co.....1276

Wiring, "E"
 Electric Constr. Co., Fresno.....\$4083
 T. M. Robinson.....4200
 Valley Electric Co.....4300

Plumbing, "G-1"
 Battle & Roberts, Hanford.....\$1522
 Nottingham Heating & Ventilating Co.....2100

Heating, "G-2"
 B. A. Newman Co., Fresno.....\$2032
 Nottingham Heating & Vent. Co.....2266
 Barrett-Hicks Co.....2325

Plastering, "H"

W. A. Gould, Mt. View.....\$4672
 Joseph Masi.....4686
 Lowell Strong.....4750
 M. L. McKenzie.....5139
 Fred Low.....6133
 MacGruer & Co.....6150
 J. Frundels.....6500
 M. E. Summers.....6580
 D. Wells.....7249
 Combined bid on A, B, and H submitted by W. J. Ochs, at \$26,750.
 Low bids received on A, B, and H total \$25,234. Difference, \$1516.

Contracts awarded to
 (A)—Irwin & Hopkins, Fresno.....\$17,042
 (B)—Paul Kinder, Fresno.....3520
 (C)—Raphael Co., S. F.....1318
 (D)—O. H. Willoughby, Tulare.....1195
 (E)—Electric Constr. Co., Fresno 4083
 (G-1)—Battle & Roberts, Hanford.....1522
 (G-2)—B. A. Newman Co., Fresno 2032
 (H)—W. A. Gould, Mt. View.....4672

Contract Awarded.
ADDITION Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
 Trace School.
 Two-story concrete addition to present school.

Owner—San Jose Board of Education.
 Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 Contractor—W. J. Ochs, 405 Clark St., Fresno (general contract), \$68,729.
 Bids for heating taken under advisement. Bid of Minton Company of Mountain View at \$6667, previously reported as low bidder, did not include radiators in upper story, making the bid of Nottingham Plumbing & Heating Co., Oakland, low at \$7188.

Plans Being Completed.
SCHOOL BLDG. Cost, \$50,000
SAN CARLOS, San Mateo Co., Cal.
 One-story 6-classroom concrete grammar school building.
 Owner—San Carlos Grammar School District.
 Architect—E. L. Norberg, 580 Market St., San Francisco.

WILLIAMS, Colusa Co., Cal.—State Division of School Planning is conferring with the trustees of the Williams School District on proposal to erect a modern grammar school building.

Plans Approved.
ADDITION Cost, \$26,000
BAKERSFIELD, Kern Co., Cal.
 Four-classroom addition to Roosevelt School.

Owner—Bakersfield City School Dist. Architect—Symmes & Cullimore, Habersfield Bldg., Bakersfield.

Will contain 4 classrooms, to be equipped as work rooms, administration office, school nurse quarters, storerooms and lavatories. Tables and chairs will be installed in place of desks.

Bids Opened.
HEATING SYSTEM Cost, \$—
SAN RAFAEL, Marin Co., Cal.
 Steam heating system for Vocational Training Building at High School.
 Owner—San Rafael School Dist., O. R. Hartzell, Secretary.

Architect—N. W. Sexton, 1606 de Young Bldg., San Francisco.
 A. G. Atwood, 3623 18th St., San Francisco.....\$2,488
 Nottingham Plg. & Htg. Co., Oakland.....2,488
 D. O'Mara, San Francisco.....2,748
 Geo. A. Shields, San Rafael.....2,800
 Knittle Bros., San Francisco.....3,569
 Geo. Rehm, San Francisco.....3,790

Bids Opened.
GYMNASIUM
SAN RAFAEL, Marin Co., Cal. San Rafael High School.
 Reinforced concrete gymnasium.
 Owner—San Rafael Board of Education, Oliver R. Hartzell, secretary.
 Architect—N. W. Sexton, deYoung Bldg., San Francisco.

General Contract
 Young & Horstmeier, 461 Market St., San Francisco, \$55,050; alt. No. 1, using metal sash in place of wood \$55,530.

Liebert & Trobeck, S. F.....\$56,647
 J. W. Cobby & Son, S. F.....56,820
 MacDonald & Kahn, S. F.....56,790
 F. H. Cress, Crockett.....56,490
 Gaubert Bros., Oakland.....56,385
 F. J. Maurer, Eureka.....56,802
 S. Rasori, San Francisco.....60,702
 J. H. Johnson, S. F.....60,775
 D. Paganini, S. F.....62,668
 Siemer & Kendall, San Anselmo.....62,713
 Smith & Jackson San Rafael.....64,288
 (1) 65,000
 (1) 72,017

Heating
 D. O'Mara, 213 Clara St., San Francisco.....\$6,998
 A. G. Atwood, S. F.....7,083
 Geo. Rehm, S. F.....7,120

Nottingham Htg. & Vent. Co. (1) 7,120
 G. A. Shields, San Rafael.....7,272
 (2) 7,308
 (1) 7,313
 (2) 7,322

Electric Work
 North Bay Elec. Works, San Rafael.....\$3,696.75
 H. R. Eklund, San Rafael.....4,132.00
 Balboa Elec. Co., S. F.....4,163.00

Plumbing
 Thos. R. Catto, 354 Hobart St., Oakland.....\$6,499
 Frank Davidson, S. F.....6,750
 Geo. A. Shields, San Rafael.....6,750
 (1) 6,684
 (3) 6,450
 (1) 7,674
 (2) 7,500

Contract Awarded.
ALTERATIONS Cost, \$30,000
SAN FRANCISCO, N. Fulton St. 150 E Stanyan.

Alterations and additions to faculty building.
 Owner—St. Ignatius College, Fulton St. near Stanyan.
 Architect—E. A. Eames, 353 Sacramento St.
 Contractor—Barrett & Hllp, 918 Harrison St.

Competitive Preliminary Plans.
SCHOOL \$160,000
 (Bonds voted to finance)
SANTA CRUZ, Santa Cruz Co., Cal.
 Mission High School (reproof construction).
 Owner—Santa Cruz School District.
 Architect—J. J. Donovan, 1916 Broadway, Oakland.

Contract Awarded.
DORMITORY Cost, \$250,000
CLAREMONT, Los Angeles Co., Cal.
 Campus of Pomona College.
 Reinforced concrete boys' dormitory (accommodate 100).
 Owner—Pomona College.
 Architect—Webster & Spaulding, 627 Carondelet St., Los Angeles.
 Contractor—J. S. Metzger & Son, 332 W-Jefferson St., Los Angeles.

Plans Being Figured—Bids Close Jan.

17, 4 P. M.
SCHOOL Cost, \$—
HAMMONTON, Yuba Co., Cal.
 One-story frame school.
 Owner—Goldfield School District, C.
 LePage, Clerk, Hammonton.
 Architect—Chester Cole, 1st National
 Bank Bldg., Chico.
 Certified check or bidder's bond of
 \$5,000 required with bids. Plans on file
 in office of clerk and obtainable from
 the architect. This structure will re-
 place school destroyed by fire last De-
 cember with a loss of \$10,000.

Bids Opened.

ADDITION Cost, \$—
SAN JOSE, Santa Clara Co., Calif.
 Trace School.
 Two-story concrete addition to pres-
 ent school building.
 Owner—San Jose Board of Education.
 Architect—W. H. Weeks, Hunter-Du-
 lin Bldg., San Francisco; 1736
 Franklin St., Oakland, and Bank
 of Italy Bldg., San Jose.

General Contract
W. J. Ochs, 405 Clark St.,
 Fresno \$68,729
E. T. Lesure, Oakland 70,702
J. W. Cobby, San Francisco 71,717
F. T. Edmans, San Jose 71,586
P. T. Jorgensen, San Jose 72,000
Minton Co., Mt. View 72,113
R. O. Summers, San Jose 72,834
J. D. Carlser, San Jose 74,740
C. N. Swenson, San Jose 75,247
Megna & Newell, San Jose 75,974
Heating Contract
Minton Co., Mt. View \$6,667
Nottingham Pib. & Htg. Co.,
 Oakland 7,188
A. J. Peters 7,786
L. C. Flint 7,987
W. F. Serpa, San Jose 8,750
J. C. Pascoe 8,767
C. L. Snyder, San Jose 8,900
C. A. Merritt 9,223
G. A. Hooker 9,820
 All bids were taken under advise-
 ment.

Plans Being Prepared.

ADMINISTRATION BLDG., ETC. Cost, \$250,000
SAN DIEGO, Cal. Spring Valley.
 Administration building, dormitories,
 helps' quarters, stables, swimming
 pool, etc.
 Owner—T. C. Ranch School.
 Architect—Curtis Tobey, 1655 Second
 St., San Diego.

Preparing Working Drawings.

BUILDING Cost, \$685,000
BERKELEY, Alameda Co., Calif. Uni-
 versity of California Campus.
 Class A building (height and type of
 construction not decided).
 Owner—University of California.
 Architect—Geo. W. Kelham, 315 Mont-
 gomery St., San Francisco.
 Proposed building will probably house
 the College of Engineering (electrical
 and mechanical depts.). This will be
 the first unit of a group of buildings to
 be constructed at a later date. Plans
 will be ready for bids about Feb. 15.

Bond Election Planned.

SCHOOL BLDGS. Cost, \$450,000
ONTARIO, San Bernardino Co., Cal.
 School buildings.
 Owner—Chaffey Union High School
 District.
 Architect—Allison & Allison, Califor-
 nia Reserve Bldg., Los Angeles.

Bond Election Planned.

SCHOOL PLANT Cost, \$410,000
NEWPORT BEACH, Orange Co., Cal.
 High School plant (reinforced con-
 crete construction).
 Owner—Newport-Cost Mesa Union
 High School District.
 Architect—Marsh, Smith & Powell, Ar-
 chitects Bldg., Los Angeles.

LIVERMORE, Alameda Co., Cal.—
 Until February 1, 11 A. M., bids will
 be received by C. W. Mack, secretary,
 Livermore Union High School Dis-
 trict, to furnish and install 300 steel
 lockers in new Livermore High School.
 Specifications on file in office of prin-
 cipal at high school.

RENO, Nevada—Until February 5,
 7:30 P. M., bids will be received by
 T. W. Clark, Clerk, Bd of Trustees of
 Reno School District No. 10, to fur-
 nish and install furniture and equip-
 ment for B. D. Billingham Junior
 High School. Will comprise pupils'
 desks, chairs, folding chairs, teachers'
 desks, sewing, library, cooking and
 cafeteria tables, stage equipment and
 other furnishings. Specifications ob-
 tainable from Superintendent at high
 school. Deliveries to be made in
 July or August.

Bids Opened.

SCHOOL Cost, \$—
PORTLAND, Ore. Bush, Cent, 16th
 and 18th Streets.
 Two-story concrete school; brick fac-
 ing trimmed in terra cotta, \$5x
 249 feet (Brooklyn School).
 Owner—City of Portland School Dis-
 trict, E. T. Stretcher, Clerk.
 Architect—Geo. H. Jones, City School
 Architect, Portland.
 Sattergren Bros., Worcester Bldg.,
 Portland at \$130,375, low for general
 contract.
 Jas. Dimitre, Inc., Portland, at
 \$5552 low for electric work.
 Globe Heating & Plumbing Co.,
 Portland, at \$21,743 low for heating
 and ventilating.
 Urban Plumbing Co., Portland, at
 \$11,294 low for plumbing.
 All bids taken under advisement.

Plans Being Figured—Bids Close Jan.

25, 2 P. M.
SCHOOL Cost, \$—
KETTLEMAN CITY, Kings Co., Cal.
 Two - classroom school with kitchen,
 toilet rooms, etc.
 Owner—Sunset School District, J. H.
 Johnson, clerk.
 Architect—E. W. Peterson, Mason
 Bldg., Fresno.
 Cert. check or bidder's bond for 10%
 payable to district required with bid.
 Plans obtainable from architect.

Preparing Working Drawings.

GYMNASIUM Cost, \$60,000
CENTERVILLE, Alameda Co., Cal.
 One-story reinforced concrete gym-
 nasium.
 Owner—Washington Union High School
 District.
 Architect—Birge M. Clark, 310 Uni-
 versity Ave., Palo Alto.
 Plans will be ready for bids in 30
 days. High school building committee
 is composed of Fred Dusterberry, F.
 V. Jones and Justus Overacker.

Plans Being Figured—Bids Close Jan.

22, 11:30 A. M.
ADDITION Cost, \$125,000
BALLARD, Wash. 30th Ave. NW. and
 W 6th St.
 Two - story and basement reinforced
 concrete, brick and tile Webster
 school addition.
 Owner—School District No. 1.
 Architect—F. A. Naramore, 810 Dex-
 ter Ave., Seattle.
 Will contain 4 classrooms, assembly
 hall, physical training room, play
 courts, boiler room and heating plant.
 Plans on file in office of the architect.

PITTSBURG, Contra Costa Co., Cal.
 —Manual training department of
 Pittsburg Grammar School District
 suffers fire loss. The damage is esti-
 mated at between \$5000 and \$10,000.

Plans Being Figured—Bids Close Jan.

27, 2 P. M.
SCHOOLS Cost, \$100,000
CLEARWATER, Los Angeles Co.
 Three brick and concrete Junior High
 Schools.
 Owner—Compton Union High School
 District.
 Architect—Frank M. Goodwin, Stock-
 well Bldg., Compton.

ALAMEDA, Alameda Co., Cal.—
 With the exception of one unit, the
 Board of Education has purchased all
 lands in the area bounded by San
 Antonio and San Jose Ave. and Paru
 and Morton Sts., on which it is pro-
 posed to erect the new Franklin
 School. Condemnation proceedings
 have been started to obtain the un-

Preparing Working Drawings.

SCHOOL Cost, \$35,000
KELSEYVILLE, Lake Co., Cal.
 One-story reinforced concrete high
 school (125 pupils) with combina-
 tion gymnasium and auditorium.
 Owner—Kelseyville Union High
 School District.
 Architect—Wm. Herbert, Rosenberg
 Bldg., Santa Rosa.
 Bids will be called for the end of
 purchased lot.

Plans To Be Prepared.

SCHOOL Cost, \$250,000
ALTADENA, Los Angeles Co., Cal.
 Lake Ave., Boston St., Malden
 Lane and Calaveras St.
 Owner—Junior High School.
 Owner—Pasadena Board of Educa-
 tion.
 Architect—Marston & Maybury, 25 S.
 Euclid Ave., Pasadena.

BANKS, STORES & OFFICES

Plans To Be Prepared.

ANNEX Cost, \$—
SAN FRANCISCO. Mills Building.
 Bush and Montgomery Sts.
 Class A annex for offices.
 Owner—Mills Estate, Inc. (Curtis D.
 O'Sullivan, President), Mills Bldg.,
 San Francisco.
 Architect—Not Selected.
 Tentative plans provide for an 18-
 story structure on a site 50x137-6 ft.

Plans To Be Prepared.

CAFE Cost, \$—
BERESFORD, San Mateo Co., Cal.
 Bell Tract.
 Cafe and grill.
 Owner—John Tait (Tait's - at the -
 Beach) Great Highway, San Fran-
 cisco.

Architect—Not Selected.
 Most definite information will be
 given in about two weeks.

Plans To Be Prepared.

BUILDING Cost, \$—
SAN MATEO, San Mateo Co., Cal.
 South B Street.
 Modern building (height and type of
 construction not decided).
 Owner—Wm. S. Leadley; 207 2nd St.,
 San Mateo.
 Architect—Not Selected.
 Nothing definite has been decided at
 this time.

Plans Being Prepared.

STORE Cost, \$750,000
LOS ANGELES, Cal. No. 629 South
 Hill Street.
 Twelve-story and basement Class A
 reinforced concrete store and
 offices (60x153 feet).
 Owner—Sun Realty & Finance Corp.
 Architect—Meyer & Holler, Wright &
 Callender Bldg., Los Angeles.

Sub-Contracts Awarded.
STORE BLDG. Cost, \$18,000
SAN MATEO, San Mateo Co., Calif.
Third Ave.

Two-story and mezzanine floor reinforced concrete store and loft bldg.
Owner—Warren Littlefield.
Architect—E. Cavasso, Balovich Bldg., San Mateo.

Contractor—Petersen & Harbin, 235 Third Ave., San Mateo.
Excavating—San Mateo Feed & Fuel Co., San Mateo.

Reinforced Steel—Pacific Coast Steel Co., 111 Sutter St., San Francisco.
Lumber—Wisnom Lumber Co., San Mateo.

Heating—George J. Henderson.
Steel Windows—Fenestra, Hunter-Dulin Bldg., San Francisco.

Glass—Central Hardware & Glass Co., 638 4th St., San Francisco.

Roofing Tile—Frank E. Coombs, 55 New Montgomery St., San Francisco.

Electric Work—Mausser Electric Co., Burlingame.

Tile Work—Malott and Petersen, San Mateo.

Plumbing—Morrison & Blair, San Mateo.

Sub-Figures Being Taken.
STORE Cost, \$10,000
OAKLAND, Alameda Co., Cal. Lakeshore Ave. near Mandana Blvd.
One-story brick store building.
Owner and Builder—F. T. Malley, 3788 Lakeshore Ave., Oakland.
Architect—A. W. Smith, American Bank Bldg., Oakland.

HANFORD, Kings Co., Calif.—Carl Nelson, Hanford, granted building permit by city council to remodel and make minor additions to store of J. C. Penney Co. at 8th and Irwin Streets; estimated cost, \$20,000. Carpentry, painting, electric work and plumbing are included.

Plans Being Prepared.
OFFICES Cost, \$1,500,000
SEATTLE, Wash. Third Ave., bet. Spring and Madison Sts.
Twenty-four-story Class A offices.
Owner—L. A. De Cou (to be leased to City of Seattle for Municipal Lighting Plant Department).
Architect—Earl W. Morrison, Lloyd Bldg., Seattle, Wash.

Acceptance of the offer of De Cou to erect this structure for lease to the city depends upon the vote of the people at an election yet to be called.

Plans Being Prepared.
STUDIO BLDG. Cost, \$20,000
SAN MATEO, San Mateo Co., Cal.
Studio building.
Owner—Frederick Smith, 300 B St., San Mateo.
Architect—Enri E. Cavasso, 235 Third Ave., San Mateo.

Plans Being Completed.
BANK BLDG. Cost, \$75,000
OAKLAND, Alameda Co., Cal.—SE 8th St. and Broadway.

One-story reinforced concrete and terra cotta bank building (all modern conveniences).

Owner—Bank of America of California, 631 Market St., San Francisco.
Architect—A. F. Roller, Crocker First National Bank Bldg., San Francisco.

Bids will be called for shortly.

Preparing Working Drawings.
STORES Cost, \$60,000
SAN MATEO, San Mateo Co., Calif.
North B St. and Baldwin Ave., 81x124 ft.

One-story reinforced concrete store building (10 stores).

Owner—Wisnom Estate.
Architect—Edwards and Schary, 605 Market St., San Francisco.

Contract Awarded.
STORE FRONTS Cost, \$15,000
SALINAS, Monterey Co., Cal.
New store fronts and lobby.

Owner—Cominos Hotel.
Architect—Willis E. Huson, 247 Oakdale Ave., Mill Valley, Calif.

Contractor—E. F. Reese, McDougall Bldg., Salinas.

Construction will involve considerable stucco work and cast store decorations. "Neon" sign will be installed at hotel entrance. Structure has a 168 ft. frontage.

Sub-Contracts Awarded.
ADDITION Cost, \$300,000
BAKERSFIELD, Kern Co., Cal. 20th St. (cover area of 41x47½ ft.)

Three-story steel frame and concrete addition to present building (all modern conveniences).

Owner—Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco.

Architect—Eng. Dept. of Owner.

Supervising Architects—Symmes & Cullimore, Habersfelde Bldg., Bakersfield.

Contractor—MacDonald & Kahn, Financial Center Bldg., San Francisco.

Plumbing, Heating, Ventilating and Sheet Metal Work—Gundlatch Co., Bakersfield.

Painting—Wm. Bernstein, Hearst Bldg., San Francisco.

Plastering—Fred E. Potts Co., Los Angeles.

Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.

Waterproofing—Permanent Waterproofing Co., Hunter-Dulin Bldg., San Francisco.

As previously reported, electric work awarded to D. Fingerhant, Bakersfield; brick work to F. W. Kampe, Bakersfield; structural steel to Judson-Pacific Co., 609 Mission St., S. F.

Plans Being Figured—Bids Close Jan. 25th.
OFFICE Cost, \$50,000
SAN FRANCISCO. N Fell St. bet. Van Ness Ave. and Polk St.

Four-story and basement reinforced concrete office and laboratory bldg.

Owner—The Viavi Co., 636 Pine St.

Architect—Willis Polk Co., 277 Pine St.

Plans Being Prepared.
REMODEL Cost, \$—
SAN FRANCISCO. Market St. near 8th St.

Remodel for stores, lofts and offices.

Owner—Elgith and Market St. Store (S. J. Montgomery in charge).

Architect—Withheld.

The Crystal Palace Market now occupying quarters in the structure adjoining, will extend their activities on the ground floor of this building. The interior will be remodeled and store fronts constructed. Details will be given on this project when the plans are further advanced.

Contract Awarded.
STORE Cost, \$90,000
with \$60,000 additional for fixtures and equipment)

EUREKA, Humboldt Co., Cal. F St. bet. 4th and 5th Sts.

Two-story and basement concrete and brick department store, 50x144-ft.

Owner—S. H. Kress Co., Los Angeles.

Architect—Not Given.

Contractor—R. E. McKee, 515 Hewitt St., Los Angeles.

Crescoted piling will be used in connection with this project.

Sub-Pictures Being Taken.
TELEPHONE BLDG. Cost, \$100,000
ANAHEIM, Orange Co., Cal. Lemon St., bet. Chatteress and Cypress.

Two-story Class A reinforced concrete and steel telephone building.

Owner—Pacific Tel. & Tel. Co., 140 New Montgomery St., S. F.
Architect—Eng. Dept. of Owner.
Contractor—Wm. Rohrbacher, 2414 North Park Blvd., Santa Ana.

Contract Awarded.
BANK Cost, \$—
LOS ANGELES, Cal. Hollywood Blvd. and Gramercy Place.

One-story Class C masonry bank and stores (125x80 ft.)

Owner—California Bank.

Architect—John and Donald Parkinson, Title Insurance Bldg., Los Angeles.

Contractor—Paul E. Wylle, Transportation Bldg., Los Angeles.

Plans Being Figured—Bids Close Jan. 30, 4 P. M.

BANK BLDG. Cost, \$250,000
SALINAS, Monterey Co., Cal. Main St.

Six-story class A steel frame, terra cotta and brick bank building.

Owner—Salinas National Bank.

Architect—Swartz & Ryland, Spazier Bldg., Monterey; 372 Main St., Salinas, and Brix Bldg., Fresno.

Lower exterior of building will be of pink Minnesota granite, glazed terra cotta and brick for exterior of upper stories. Lobby of bank will be floored and walled in marble. Dual elevator system; hot water, steam heat, gas service and compressed air service.

Club rooms in basement; safety deposit and storage vaults. Deposit of \$25 required for plans.

Sub-contractors desiring to submit bids on this project are invited to send their bids to the architects in the Spazier Bldg., Monterey.

Contract Awarded.
FITTING BROKERS' OFFICES Cost, \$35,000
PORTLAND, Oregon. Imperial Hotel Building.

Fitting up brokers' offices.

Owner—E. A. Pierce & Co., 301 Montgomery St., San Francisco.

Architect—Kent & Hass, 525 Market St., San Francisco.

Contractor—P. T. Ainge Co., Foot of 20th St., Portland.

Contract Awarded.
ALTERATIONS Cost, \$30,000
SACRAMENTO, Cal. 726 K St.

Store alterations.

Owner—"Zukor's," 726 K St., Sacramento.

Architect—McClelland & Pinneke, Republic Bldg., Seattle, Wash.

Contractor—George Hudnutt, 1915 S St., Sacramento.

The work will involve a new store front, new fixtures for departments and offices; bronze work; lighting system, etc.

Contract Awarded.
REPAIRS Cost, \$25,000
FRESNO, Fresno Co., Cal. 1015 Broadway.

Repair fire damage, rearrange dining room, install new store front and interior fixtures and equipment.

Owner—Pleasanton Cafe, 1015 Broadway, Fresno.

Architect—Not Given.

Contractor—E. W. Tribble, Fresno.

Plans To Be Prepared.
BUILDING Cost, \$400,000
LOS ANGELES, Cal. Sunset Blvd.

Eight-story class A bldg. (155x176-ft.)

Owner—C. A. Rainsford, Lewia Zalk and Eva Wilk, New York.

Architect—None.

FRESNO, Fresno Co., Cal.—Gundelinger and Myers, Inc., 1254 Fulton St., Fresno, office equipment dealers, have leased quarters at 2019 Kern street and will spend approximately \$50,000 in remodeling the interior and exterior.

Commissioned To Prepare Plans.
OFFICES Cost, \$1,600,000
LOS ANGELES, Cal. Wilshire Blvd.
 Twelve-story class A reinf. concrete
 mercantile and offices bldg. (230x
 150-ft.)
 Owner—Dominguez Estate.
 Architect—Morgan, Walls & Clements,
 1134 Van Nuys Bldg., Los Angeles.

To Be Done By Day's Work.
STORE Cost, \$10,000
OAKLAND, Alameda Co., Cal. West
 Lakeshore Ave. 62-ft. S Mandana
 Bldg.
 One-story brick store building.
 Owner and Builder—F. T. Malley, 3788
 Lakeshore Ave., Oakland.
 Architect—A. W. Smith, American
 Bank Bldg., Oakland.

Ornamental and Miscellaneous Iron
Contract Awarded.
OFFICE BLDG. Cost, \$160,000
SAN FRANCISCO. E Montgomery St.,
 N Sutter St.

Six-story and basement and mezzanine
floor class B concrete office bldg.
 Owner—Lurie Co., 315 Montgomery St.
 Architect—O'Brien Bros. and W. D.
 Peugh, 315 Montgomery St.
 Contractor—Industrial Const. Co., 815
 Bryant St.
 Lessee—Tile Insurance and Guarantee
 Co., 250 Montgomery St.

Ornamental and Miscellaneous Iron—
California Artistic Metal & Wire
Co., 349 7th St.
 As previously reported, metal pans
 awarded to Steelform Contracting Co.,
 Monadnock Bldg.; sidewalk lights to
 Pacific Sidewalk Light Co., 252 Lobos
 St.; reinforcing steel to Gunn, Carle &
 Co., 444 Market St.

FRESNO, Fresno Co., Calif.—Gross
Millinery Co., Trenton, N. J. has
 leased quarters at 920 Fulton St. and
 will undertake extensive alterations in
 addition to installing store fixtures.

Plans Being Figured.
ALTERATIONS Cost, \$—
SAN FRANCISCO. Grant Ave.
 Alterations to present store building.
 Owner—Sidney Whitehead.
 Architect—Sidney B. Noble & Arch-
 ite Newsom, Federal Realty Bldg.,
 Oakland.

Preparing Working Drawings.
STORE Cost, \$150,000
SAN RAFAEL, Marin Co., Cal. 4th &
 B Sts.
 Four-story and basement class B store
 and office building.
 Owner—J. Albert, San Rafael.
 Architect—S. Heiman, 605 Market St.
 Plans will be ready for bids in 30
 days.

Plans Being Figured.
STORE BLDG. Cost, \$50,000
LOS ANGELES, Los Angeles Co., Cal.
 One-story class C concrete store bldg.
 (40x90 ft.)
 Owner—Bank of Italy.
 Architect—H. A. Minton, Bank of Italy
 Bldg., Eddy and Powell Sts., San
 Francisco.

About two weeks will be allowed for
 figuring the plans.

Plans Being Prepared.
STORE Cost, \$—
OAKLAND, Alameda Co., Calif. W
 Broadway bet. 17th and 19th Sts.
 Four-story class A store building.
 Owner—Money Back Smith, 12th &
 Washington Sts., Oakland.
 Architect—Eng. Dept. of Lessee.
 Lessee—F. W. Woolworth Co., Finan-
 cial Center Bldg., San Francisco.

FRESNO, Fresno Co., Cal.—Elec-
tric Lunch, 2033 Fresno St. will
 spend \$3500 in remodeling and install-
 ing new stools, counter and refrigera-
 tion system. M. F. McQuone,
 proprietor. Work will be started at
 once.

Incinerator Contract Awarded.
STORE BLDGS. Cost, \$400,000
SAN FRANCISCO. No. 338-840 Mar-
 ket Street.

Three and four-story and basement
 Class A store buildings (terra
 cotta, marble and granite ex-
 terior).

Owner—Sommer & Kaufmann Co.
 Architect—Albert F. Roller, First
 National Bank Bldg., and Blas &
 Fairweather, Balboa Bldg., S. F.
 Designer—Kem. Weber, Los Angeles
 (Building No. 2, only).
 Engineer—H. J. Brunnler, Sharon
 Bldg., San Francisco.
 Contractor—P. J. Walker, Sharon
 Bldg., San Francisco.
 Incinerator—Kerner Incinerator Co.,
 450 Clementina St., San Francisco.
 Other awards reported Oct. 18, 1929.

THEATRES

Plans Being Figured.
THEATRE Cost, \$110,000
SAN PEDRO, Los Angeles Co., Cal.
 No. 488 W-Sixth St.
 Two-story class A reinforced con-
 crete theatre (125x150 ft.)
 Owner—Warner Bros., 5842 Sunset
 Blvd., Los Angeles.
 Architect—C. Deuel, Douglas Bldg.,
 Los Angeles.

RENO, Nevada—See "Schools," this
 issue. Bids wanted for stage equip-
 ment, school furniture, etc., by Reno
 School District No. 10 for B. D.
 Billingshurst Junior High School.

Plans Being Prepared—Contract Award-
ed.
THEATRE Cost, \$70,000
PLACERVILLE, El Dorado Co., Cal.
 Main St. (95x120-ft.)
 Two-story class C concrete theatre,
 store and office bldg. (theatre to
 seat 700).
 Owner—Roger W. Browne, 2 Cottage,
 Placerville.
 Plans by George Hudnutt.
 Contractor—George Hudnutt, 1915 S
 St., Sacramento.
 Sub-bids will be taken shortly.

BAKERSFIELD, Kern Co., Calif.—
Architect S. C. Lee, 531 Petroleum
Securities Bldg., Los Angeles, an-
 nounced list of general contractors to
 submit bids for 2-story reinf. conc.
 class A theater and store, 150x122-ft.,
 in Bakersfield for Fox West Coast
 Theatres. Cost, \$250,000. A. V. Per-
 kinson, 2977 S Vermont; Christ Thor-
 nson, 5615 W 4th St.; A. T. Lane, Byrne
 Bldg.; Sumner-Sollitt, 810 W 6th St.;
 J. W. Forreder, Lincoln Bldg.; H. I.
 Beller Const. Co., 6331 Hollywood
 Blvd.; Herbert M. Baruch Corp., 1015
 Lincoln Bldg., all of Los Angeles. Bids
 will be opened Jan. 23 at 2:00 P. M.
 C. H. Biggar, Bank of Italy Bldg.,
 Bakersfield, supervising architect.

Plans Being Prepared.
THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. 12th
 and Broadway.
 Two-story theatre and store building
 (theatre to seat approx. 800).
 Owner—Levy Estate, Oakland.
 Architect—Clause & Amandes,
 Hearst Bldg., San Francisco.
 Bids will be taken and construction
 is to start early in February.

Plans To Be Prepared.
THEATRE Cost, \$1,000,000
OAKLAND, Alameda Co., Cal. Broad-
 way Franklin and 20th Sts.
 Class A theatre (seating 3500).
 Owner—Warner Bros.
 Architect—G. Albert Lansburgh, 140
 Montgomery St., San Francisco.

Plans Being Prepared.
THEATRE Cost, \$1,000,000
BEVERLY HILLS, Los Angeles Co.,
Cal. NE Wilshire Blvd. and Bev-
 erly Drive.
 Nine-story reinforced concrete Class
 A theatre and hotel (theatre to
 seat 2500; hotel to contain 250
 rooms, 17 shops).
 Owner—Gore Bros., Inc. (Sol Lesser
 and Mike V. Rosenberg).
 Architect—Balch & Stanberry, Film
 Exchange Bldg., Los Angeles.
 Fox West Coast Hollywood Thea-
 tres, Inc., lessees of theatre.

WHARVES AND DOCKS

SAN FRANCISCO—Until January
 27, 11 A. M., bids will be received by
 Constructing Quartermaster, Fort
 Mason, for repairs to torpedo wharf
 at Fort Winfield Scott. Plans ob-
 tainable from above.

REDWOOD CITY, San Mateo Co.,
Cal.—City Manager E. A. Rolison has
 submitted estimates to city council re-
 ceived from contractors for driving
 piles in connection with municipal har-
 bor project. Estimates range from \$7.50
 to \$10.00 per pile. There are 42 piles
 involved in the project.

Plans Being Prepared.
PIER Cost, \$150,000
SAN FRANCISCO. Foot of Green St.
 Rebuild present pier.
 Owner—State Board of Harbor Com-
 missioners.
 Engineer—Frank White, Ferry Bldg.,
 San Francisco.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Cal.—Until January 23,
 12 noon, bids will be received by
 Frank C. Merritt, city clerk, to in-
 stall flood lighting system at city hall.
 Certified check 10% payable to city
 required with bid. Specifications on
 file in office of clerk.

Contract Awarded.
FREIGHT STATION Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal.
 Southern Pacific Depot.
 Frame and stucco freight station, 30x
 85-ft.
 Owner—American Railway Express,
 Farmers and Merchants National
 Bank Bldg., Santa Cruz.
 Architect—Eng. Dept. of Owners.
 Contractor—Palmer & Balziger, Santa
 Cruz.

Plans Being Completed.
VAULT Cost, \$6500
SAN FRANCISCO. 21nd and Potrero
 Avenue.
 One-story fireproof X-ray vault.
 Owner—City and County of San Fran-
 cisco.

Architect—Bureau of Architecture,
 (Chas. H. Sawyer, acting city arch-
 itect), 2nd floor, City Hall.
 Supervisors will adopt an ordinance
 shortly authorizing a call for bids for
 this project. Structure will be used
 to store highly inflammable films used
 in connection with X-ray.

OAKLAND, Cal.—Following bids re-
 ceived by Frank C. Merritt, city clerk,
 for furnishing traffic signals and traffic
 signal timers, for city of Oakland:
 (1) 85 signals; (2) 12 timers; (3) 1
 traffic signal master.
 Crouse - Hinds, Sheldon Bldg., San
 Francisco, (1) \$2,966; (2) \$2,016; (3)
 \$175.
 Butte Elec. Co. Mfg. Co., San Fran-
 cisco, (1) \$4,046.85; (2) \$2,400; (3) \$250.
 Eagle Signal Sales Corp., (1) \$4,143;
 (2) \$2,289; (3) \$192.60.
 Bids taken under advisement.

REDDING, Shasta Co., Cal.—Leslie Engram, city clerk, authorized by city council to secure prices for purchase of 500 posts in connection with fencing project at city farm.

WINTERS, Yolo Co., Cal.—Natural Gas Products Co., granted franchise by city trustees to establish natural gas plant consisting of "Flamo" tanks to connect with a system of mains throughout the city. Improvements involved will cost \$10,000.

LONG BEACH, Los Angeles Co., Cal.—Long Beach Racing Coaster Co., H. H. Horsch, manager, repairing Silver Spray pier and will erect \$200,000 racing roller coaster. C. H. Jones in charge of pier improvements. One million feet of lumber ordered.

Contract Awarded.
COMFORT STATION Cost, \$50,875
SAN FRANCISCO, Gt. Highway bet. Judah and Taraval Sts.
Construct comfort station.
Owner—City and County of San Francisco.

Architect—Bureau of Architecture, 2nd floor, City Hall.
Contractor—Clinton Stephenson Co., Mondnock Bldg.

HAYWARD, Alameda Co., Cal.—Hayward Forum, a civic organization, backs proposal to erect a permanent show pavilion in Memorial Park to stage poultry and flower exhibits, etc.

SAN FRANCISCO.—Contemplated building construction to be undertaken by the city and county of San Francisco during the current year will involve an expenditure of approximately \$3,815,000, according to Chas. H. Sawyer, acting chief of the City Bureau of Architecture, 2nd floor, City Hall. Projects included in the estimate are summarized as follows:
Construction of Ward "F" at
Laguna Honda Home.....\$185,000
Additional wards at the San Francisco Hospital.....265,000
Fire House.....45,000
Emergency Hospital.....45,000
Third Unit, Balboa High School.....600,000
Aptos Jr. High Schol.....600,000
Lick Jr. High School.....600,000
Two new units at the Laguna Honda Home.....500,000
Construction of two buildings T. B. Preventorium.....125,000
Health Center building and Central emergency hospital.....550,000
It is possible that the first unit of the George Washington High School may be included in the above program.

OAKLAND, Cal.—Until January 22, 8 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 612 16th St., to furnish and install electrically operated dumbwaiter in Oakland Office Building at 512 16th St. Plans obtainable from secretary.

See call for bids under official proposal section in this issue.

VALLEJO, Solano Co., Cal.—Standard Oil Co. granted building permit by city council to construct a storage and distributing plant on Alden property just south of the Maine Street holdings of the Southern Pacific, covering an area of 100 by 230 ft. Three large steel tanks and three small containers in addition to a concrete wall surrounding the site are among the improvements proposed. A wharf extending into the channel for a distance of 175 ft. is also contemplated. (5168) 1st report Dec. 13, 1929.

Plans Being Prepared.

DEPT. OF SPOCKTON, San Joaquin Co., Cal.
One-story brick passenger depot (41x263 ft.; terra cotta roof and trim; Spanish type).
Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.

Architect—Eng. Dept. of Owner.
Station and grounds will cover approximately two acres. Bids will be called for at a later date.

Plans To Be Prepared.
MAUSELEUM Cost, \$500,000
GARDENA, Los Angeles Co., Cal.
182nd Street; 33 acre site.
Reinforced concrete mausoleum and crematory.

Owner—Fred O. Waterman, 6526 W. Fifth St., Los Angeles.
Architect—Luther T. Mayo, Inc., Wilshire Professional Bldg., Los Angeles.

OAKLEY, Contra Costa Co., Cal.—S. F. Landin Building and adjoining cottage, owned by S. F. Landin, destroyed by fire Jan. 12. Loss covered by \$2000 insurance.

REDWOOD CITY, San Mateo Co., Cal.—Western Pacific R. R. plans to establish railroad yards and freight depot at Redwood City to serve as the southern terminal on the San Francisco side of the bay district. Plans for the improvements are yet to be prepared.

CALIFORNIA.—Under a bill just introduced in the House by Congressman Scott Leavitt of Montana, California will ultimately receive approximately \$7,000,000 for construction of approach roads to national parks and the construction program would be advanced 50 per cent over prior proposals.

The measure (HR-8,000) appropriating \$5,000,000 annually would permit among other projects construction of five approach roads to Lassen Volcanic National Park and a more direct route from Fresno to Yosemite Valley.

It is understood the Leavitt bill would permit this program as tentatively and roughly estimated: Lassen Park—Manzanita Lake towards Burney, 40 miles, \$1,400,000; Manzanita Lake to Viola, 10 miles, \$350,000; northeast boundary to Poison Lake, 15 miles, \$525,000; Mineral to Forest Highway, 3 miles, \$105,000; southeast park boundary to Red Bluff-Susana Valley Highway, 7 miles, \$245,000.

Yosemite Park—Wawona—Coarsegold road, 50 miles, \$1,750,000; Crane Flat entrance to Jacksonville, 40 miles, \$1,400,000; Levinning Canyon road, 14 miles, \$490,000.

General Grand Park—Park boundary to Dunlap, 17 miles, \$595,000.
Sequoia Park—Sequoia to General Grand, 17 miles, \$595,000.

Crater Lake—Park boundary to Diamond Lake, 6 miles, \$210,000; Diamond Lake road to U. S. No. 97, 20 miles, \$700,000.

The total mileage for all parks would approximate 600 and would cost roughly \$21,000,000. The secretary of the Interior would supervise expenditures.

PORTLAND ENGINEERS ELECT

F. R. Schanck, consulting engineer, has been elected president of the Portland Section, American Society of Civil Engineers. Other officers are: 1st vice-president, O. E. Stanley; 2nd vice-president, John W. Cunningham; treasurer, H. M. Chadwick.

BRIGHTER OUTLOOK FOR RESIDENTIAL BUILDING DURING 1930

Construction activity in 1929 showed a slight decline from that of 1928 according to a statistical study just completed by the Associated General Contractors of America. The total volume of construction performed during the year as indicated by shipments of basic construction material was one per cent less than the total volume on record for 1928. This decline though slight marks the first year since the war that construction activity did not show a progressive increase.

The volume of construction performed during December, as determined through the study by the contractor's association, declined fifty-six points to index number 169. This was twelve points lower than the index figure for the same month last year and indicates that job activities are feeling the effects of the decline in contract awards which set in early in 1929.

The activities of the National Business Survey Conference, organized at the instance of President Hoover to stimulate construction and other business activity have not yet had any effect on the statistical picture of the industry according to the contractor's data.

Long term state and municipal bond issues which were marketed in increasing volume during October declined in volume in November to \$63,000,000, the lowest amount issued in any month since 1923. The average monthly figure for the first eleven months of 1929 was \$106,000,000 as compared with \$118,000,000 per month in the same period in 1928 and \$123,000,000 during the corresponding period in 1927.

Contract awards have likewise shown no statistical evidence of recovery to normal volume although it is reported that plans in progress, which should eventuate in future contracts, are above normal, especially in the public works construction field. The total volume of contracts awarded in the 37 eastern states reported on by the F. W. Dodge Corporation amounted to \$5,613,606,600 during the first 50 weeks of 1929. During the same period in 1928 the awards were \$6,395,524,900.

The decline in contract awards was largely in residential type construction during 1929. The outlook for 1930 is thought to be improved as regards this class of building. Evidence of this is indicated in the analysis of recent contract awards which show an increase in number by 1731 compared with the previous week. The total floor space and valuation awarded was less, however, indicating that smaller projects are being let in greater volume.

MERGER VALUE BILL BEFORE U. S. SENATE

A new proposal affecting valuations where tremendous mergers are concerned emerged from the hearing by the Senate Interstate Commerce Committee on the Couzens bill looking toward consolidation of communication systems.

Senator Pittman, Democrat, Nevada, announced that he would offer an amendment to the pending bill allowing railroad consolidations. It will seek to stipulate that the Interstate Commerce Commission must fix values for rate-making purposes before it could approve any proposed merger. Nevada Senators' statement followed testimony by Ellery W. Storz, president of the Federal Telephone & Telegraph Company, who opposed mergers of radio and cable companies.

Engineering News Section

BRIDGES

WOODBRIDGE, San Joaquin Co., Cal.—Jules Perrin, Lodi, at approx. \$4,000 awarded contract by Woodbridge Irrigation District to construct three concrete culverts at various points in the district.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy is conferring with Southern Pacific R. R., 65 Market St., with regard to proposed Third street bridge over channel and the widening and deepening of the channel. The total estimated cost of the work is placed at \$1,500,000. The project, however, will not be started before July of this year, due to the fact that money from city funds will not be available until that time.

OAKLAND, Cal.—Hearings are being held by State Railroad Commission in connection with proposed subway at 7th and Goss Sts., to eliminate dangerous crossing at Southern Pacific tracks.

OAKLAND, Calif.—County Surveyor Geo. A. Posey preparing plans for realignment of Bay Farm Island Bridge; estimated cost \$50,000. Alameda city will furnish \$6,000 to finance construction of approaches. It is proposed to move present center pier so that irregularities in the Alameda and Island approaches to the span can be eliminated.

SANTA CRUZ, Santa Cruz Co., Cal.—Until January 20, 3 P. M., bids will be received by S. A. Evans, city clerk, to construct reinforced concrete and timber bridge in Market street over Branciforte Creek, involving 122 cu. yds. excavation; 57 timber piles in place; 127 cu. yds. class "A" concrete; 12,000 lbs. reinforcing steel in place; 34 M. B. M. timber in place 2170 sq. ft. roadway wearing surface. Certified check 10% payable to city required with bid. Bond of 100% of contract price required of successful bidder. Plans obtainable from City Engineer Roy Fowler on payment of \$5, not to be refunded.

YUBA CITY, Sutter Co., Cal.—County Surveyor William Shearer authorized by county supervisors to substitute one-half of redwood piling and one-half crosstied piling in connection with the Rio Oso bridge, the contract for which was awarded last September to M. A. Jenkins, 3560 Y St., Sacramento, at \$50,340, using crosstied piling. The change is made, according to the county surveyor, at the request of the War Department, which desires to test out the life of the two kinds of piling under identical conditions. The supervisors originally voted 9 to 1 in favor of crosstied piling.

PLACERVILLE, El Dorado Co., Cal.—Until February 4, 2:30 P. M., bids will be received by Arthur J. Koletzke, county clerk, to construct a reinforced concrete girder bridge over Weber Creek at Darlington, and a concrete slab bridge over North Weber Creek on the Pleasant Valley road. Certified check 10% payable to county clerk required with bid. Plans obtainable from Henry Lahiff,

county surveyor, on deposit of \$10, returnable.

OAKLAND, Cal.—County Surveyor Geo. A. Posey is preparing preliminary plans for submission to the War Department seeking authorization of a new bridge to replace the present Park street structure over the Estuary between Oakland and Alameda. The cost is placed at \$650,000.

OAKLAND, Cal.—County Surveyor Geo. A. Posey preparing plans for repairs to Fruitvale bridge; estimated cost \$15,000.

OAKLAND, Cal.—County Surveyor Geo. A. Posey making surveys for new steel and concrete bridge to replace the old Hord bridge in Niles Canyon; estimated cost \$10,000. Approximately \$20,000 will be expended for road work in connection with this project.

STOCKTON, San Joaquin Co., Cal.—Until February 17, bids will be received by Eugene Graham, county clerk, for improvements in connection with bridge over Old River. A portion of the cost will be borne by Contra Costa county. Plans obtainable from Julius Manthney, county surveyor.

REDWOOD CITY, San Mateo Co., Calif.—City Engineer Chas. Dimmitt instructed to prepare estimates of cost for new bridges, street extensions and sewers which may be included in a bond issue on the ballot at the municipal election April 14. Included in the estimates will be the new bridge across the Redwood Creek at Bradford St., the type of which is dependent upon the state highway commission's application before the war department to close the creek and erect a bridge of its own 700 ft. further downstream.

SAN RAFAEL, Marin Co., Cal.—Bids will be asked at once by county supervisors to construct a concrete bridge at San Clemente on the Altamira road. Rodney Mesner, county surveyor.

CALIFORNIA—The attention of contractors is called to a "Notice to Contractors," published in another column of this issue, where contractors will be required to file a statement of their experience and financial condition with the State Department of Public Works, before being furnished with plans and specifications

on State Highway construction. Prospective bidders are requested to file their statements, or to supplement previous statements, for qualifying to bid on a job at least fourteen days before they desire to take out plans and specifications, in order to allow sufficient time to review and pass on the statement or supplemental data. No plans and specifications will be furnished to prospective bidders until their statement of experience and financial condition has been examined and approved.

DREDGING, HARBOR WORKS & EXCAVATIONS

REDWOOD CITY, San Mateo Co., Cal.—City council has accepted (informal) bid of Healy Tibbitts Construction Co., 64 Pine St., San Francisco, to drive piles in connection with municipal harbor project. Contract price, \$9.75 per pile, involving 42 piles in all.

MONTEREY, Monterey Co., Cal.—A \$610,000 harbor improvement at Monterey has received the approval of the House Rivers and Harbors Committee. The committee has adopted the report of Lytle Brown, chief of army engineers, recommending construction of a breakwater 1300 feet long between Reeside Avenue and Presidio Boundary. The annual upkeep is estimated at \$18,000.

STOCKTON, San Joaquin Co., Cal.—City Manager Walter B. Hogan announces developments in the Stockton deep water project as follows:

1. The city completed payment of its half of the initial fund to start dredging operations when a check for \$365,000 was presented to Major J. R. D. Matheson, chief of United States engineers in this district.
2. A surety bond for \$907,500, guaranteeing that the city will complete the channel, is now on its way to Washington for deposit in Government files.
3. Preparations for the dredging program will be made as soon as Washington officials rule that the city has complied with government regulations in every respect at which time the local federal engineer will be empowered to advertise for bids for the channel construction.

4. Two parcels of land remain to be acquired by the city from the East Bay Municipal Utilities District as rights-of-way on the channel. The city council has authorized the purchase of this property for \$1046.

5. The city will have expended \$931,000 for rights-of-way when this transaction is closed, and previously appropriated \$35,000 to defray the expenses of government engineers who originally conducted the channel survey at Stockton.

6. The State of California has already expended \$419,000 toward the acquisition of channel property, while a sum of \$91,500 has been allocated for dredging work on New York slough at the lower end of the Stockton project.

Work on this stretch of the channel will be started as soon as the state turns over the amount to the city.

7. Congress has appropriated a total of \$525,000 to date for the channel construction and further appropriations are expected to be a part of the rivers

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and harbors bill which will be before the body in March.

8. The channel contract specifies that the city must make provision for the construction of 1200 lin. ft. of wharves on the harbor, 800 feet of which must be covered. A total of \$1,669,000 remains to be spent of the original bond fund of \$3,000,000 which was voted by the city for the channel work.

9. The entire cost of the project to the Government has been set at \$2,407,500. With the \$91,500 yet to be applied by the state, and the \$1,669,000 still remaining to be spent by the city, a total of \$4,168,000 will be available to complete the \$6,000,000 project.

DIXON, Solano County, Cal.—Fred Birchmore, county supervisor and secretary of the Vallejo Chamber of Commerce, urges an appropriation for a preliminary survey for a deep water harbor near Benicia. A preliminary survey, Birchmore says, is necessary before asking federal aid on the proposed \$2,500,000 project. Later a harbor district, comprising several counties, would be created. A \$3,500 allotment from the county is sought by Birchmore for the survey. A committee, consisting of H. G. Brown, A. C. Madden and J. M. Cowden, has been appointed by Milton Carpenter, president of the Dixon Service Club, to work with Birchmore.

SAN FRANCISCO—See "Bridges," this issue. \$1,500,000 expenditure planned by city for bridge and dredging project.

SACRAMENTO, Cal.—See "Parks and Playgrounds," this issue. Estimate submitted for fill in connection with city park site.

IRRIGATION PROJECTS

WOODBIDGE, San Joaquin Co., Cal.—Jules Perrin, Lodi, at \$2.82 per bbl. awarded contract by Woodbridge Irrigation District to furnish and deliver 500 barrels of Portland cement.

CALIFORNIA.—Following is a partial list of permits granted during the month of December, 1929, by the State Department of Public Works, Division of Water Rights, to appropriate water:

Permit 2387, Application 6445 (San Diego Co.) Issued to H. S. Kibbey, Lakeside, for .05 c.f.s. from unnamed spring for domestic use. Est. cost, \$1,000.

Per. 3388 App. 6454 (Sutter Co.) Austin Kramer, Knights Landing, 1.3 c.f.s. from Sacramento river, for irrigation on 104.3 acres. Est. cost, \$5000.

Per. 3389, App. 6397 (San Joaquin Co.) W. H. McFall, Manteca, 1.47 c.f.s. from Lone Tree Creek for irrigation on 117.36 acres. Est. cost, \$1000.

Per. 3390, App. 2186 (Plumas Co.) Feather River Power Co., San Francisco, 70,000 a.f. from Bucks Creek for irrigation on 44,314 acres. Est. cost, \$3,209,500.

Per. 3391, App. 6395 (Sierra Co.) B. C. and Wm. S. Brown, La Porte, Calif., 65 c.f.s. from Whiskey Creek and unnamed ravine for mining. Est. cost, \$2,000.

Per. 3392, App. 6396 (Sierra Co.) B. C. and Wm. S. Brown, La Porte, Calif., 25 c.f.s. from North Branch of Slate Creek for mining. Est. cost, \$1000.

Per. 3393, App. 6449 (Butte Co.) Holly Citrus Land Co., Hollywood, 1.25 c.f.s. from two unnamed streams, for irrigation on 100 acres. Est. cost, \$2,500.

Per. 3398, App. 5925 (Trinity Co.) R. S. Gurley, Hyampack, Calif., 1 c.f.s. from Allen and Blackham Creeks, for irrigation on 80 acres. Est. cost, \$1000.

Per. 3399, App. 6259 (Santa Barbara Co.) 4H Club of Santa Barbara, Goleta, 1 c.f.s. from Arroyo Burro Creek

Canyon and two springs, for domestic use. Est. cost, \$2500.

Per. 3401, App. 6430 (San Joaquin Co.) C. B. Orvis, Stockton, 12 c.f.s. from State Canal, for agricultural purposes on 960.5 acres. Est. cost, \$6500.

Per. 3402, App. 6270 (Mono Co.) Champion Sillimanite Inc., Merced, .025 c.f.s. from Dry Creek, for agricultural purposes. Est. cost, \$1500.

Per. 3404, App. 6272 (Mono Co.) Champion Sillimanite Inc., Merced, .05 c.f.s. from Dry Creek, for mining purposes. Est. cost, \$1500.

Per. 3405 App. 6241 (Plumas Co.), Feather River Power Co., San Francisco, 120 c.f.s. direct diversion 6,000 ac. ft. from Milk Ranch and Bucks Creek tributary to north fork Feather river, for power purposes. Est. cost, \$9,531,000.

Per. 3407, App. 5910 (Orange Co.), Rome Miller, Los Angeles, .15 c.f.s. from six springs, for domestic purposes. Est. cost, \$3000.

Per. 3409, App. 6294 (Ventura Co.), Topa Topa Co., Ojai, Calif., 1 c.f.s. from two wells, for irrigation on 122 acres. Est. cost, \$18,000.

Per. 3410, App. 6152 (Humboldt Co.) Wm. Campbell, Salyer, Calif., 5 c.f.s. from Madden Creek, for mining purposes. Est. cost, \$2000.

Per. 3412, App. 6293 (Colusa Co.), Northern California Duck Club, Sacramento, 3 c.f.s. from Lurline Creek, for irrigation on 440 acres. Est. cost, \$1,000.

Per. 3416, App. 5770 (Trinity Co.) W. P. Anderson, et al, Weaverville, for 1.5 c.f.s. from north fork Trinity river for power purposes.

Per. 3417, App. 6444 (Solano Co.) A. C. and Minnie T. Sullivan, Winters, 37 c.f.s. from Miller or Pleasant Valley creek, for irrigation on 30 acres. Est. cost, \$1400.

Per. 3418, App. 3808 (Los Angeles Co.) H. Hay as trustee and San Dimas Water Co., Covina 16.8 c.f.s. from Pudding Stone canyon, for irrigation on 4422.21 acres. Est. cost, \$60,000.

CALIFORNIA.—Following is a partial list of applications filed during the month of December, 1929, with the State Department of Public Works, Division of Water Rights, for permit to appropriate water:

APPLICATIONS

Application 6503 (Del Norte Co.) C. R. Ward and J. L. Ward, Crescent City, for 0.15 c. f. s. from unnamed creeks tributary to Smith River for domestic purposes. Est. cost, \$2000.

App. 6504 (Sutter Co.) Frank Berry, Yuba City, 0.5 c. f. s. from Feather River tributary to Sacramento River for irrigation purposes. Est. cost, \$1100.

App. 6505 (Amador Co.) Preston School of Industry, State of Calif., Waterman, Calif., 10 c. f. s. from Sutter Creek tributary to Mokelumne River via Dry Creek for power purposes. Est. cost, \$75,000.

App. 6506 (Amador Co.) Preston School of Industry, 8.5 c. f. a. and 3750 ac. ft. per annum from Sutter Creek tributary to Mokelumne River via Dry Creek for domestic and irrigation purposes. Est. cost, \$75,000.

App. 6509 (Nevada Co.) Nevada Irrigation District, Grass Valley, 100 c. f. s. from Auburn Ravine tributary to American River for irrigation purposes.

App. 6512 (Sonoma Co.) Joe M. Fernandez, Box 490, Sonoma, 0.22 c. f. s. from Sonoma Creek tributary to San Pablo Bay for irrigation purposes.

App. 6514 (Clatsop Co.) A. F. Westover, % Geo. G. Underhill, Etna Mills, Calif., 140 c. f. a. from Trail Creek, Fish Lake Creek, E. Br. 6 Mile Creek and West Br. 6 Mile Creek tributary to E. Fk. of Salmon River for mining purposes.

App. 6515, Karl Brehme, Hobart Bldg., San Francisco, 200,000 ac. ft. from Cache Creek tributary to Sacramento River for industrial and domestic purposes. Est. cost, \$12,000,000.

App. 6516 (Placer and Nevada Co.) Bear River Water & Power Co., % J. L. Rollins, Colfax, Calif., for 111,020 ac. ft. from Bear River and its tributaries tributary to Feather River from either or both for power purposes. Est. cost, \$2,500,000.

App. 6518 (Modoc Co.) Irwin C. Everly, Davis Creek, Calif., 700 ac. ft. from Fletcher Creek and Drainage area of Reservoir tributary to Clear Lake Reservoir for irrigation purposes.

App. 6520 (Los Angeles Co.) Candido Herreres, R. 2, Box 1134, San Fernando, 1,240,000 gallons per annum from Underground water developed from Muerte Canyon tributary to Little Tujunga Canyon for irrigation and domestic purposes. Est. cost, \$2,000,000.

STREET LIGHTING SYSTEMS

WINTERS, Yolo Co., Cal.—City trustees have started proceedings to install electrolor system in four blocks of Main St., and two blocks of Railroad Ave.

OAKLAND, Cal.—City council has started proceedings to install ornamental street lighting system with underground system in East 12th St., between Lakeshore Ave. and First Ave. and between First and 12th Aves. Geo. N. Randle, city engineer,

SAN JOSE, Santa Clara Co., Cal.—Bids will be asked at once by Board of Education to furnish and install electrolors at vocational shops at high school. Walter Bachrodt is secretary of the Board of Education.

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SAN FRANCISCO

SAN JOSE, Santa Clara Co., Cal.—Until January 20, 8 P. M., bids will be received by John J. Lynch, city clerk, (4953) to install lighting system in Second St., bet. San Salvador and Reed Sts., involv. 20 (San Jose Standards) Duplex electrolator posts together with underground system. 1911 Act, Bond Act 1915. Certified check 10% payable to city required with bid. Specifications on file in office of clerk. Wm. Popp, city engineer.

MACHINERY AND EQUIPMENT

MADERA, Madera Co., Cal.—Western Pipe and Steel Co., San Francisco, at \$241 awarded contract by city council to furnish and deliver a sand trap.

MODESTO, Stanislaus Co., Cal.—Frank Paradis Co., Modesto, at \$801 awarded contract by city to fur. and del. motor truck of one and one-half ton capacity. 24

SAN FRANCISCO—Until January 20, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish two 2½-ton motor trucks with dump bodies. Specifications and further information obtainable from above.

MODESTO, Stanislaus Co., Cal.—Until January 13, bids will be received by F. J. Rossi, city engineer, for the sale of the following materials and equipment at the City Yard in 11th St., bet. F and G Sts., including: About 3 tons of cast iron; about 1 ton of iron pipe; about 900 pounds of copper; about 60 pounds of brass; about 25 pounds of lead; one 3-cylinder 85-horsepower distillate engine; one 4-wheel dump truck; one 12-foot blade highway grader; one 45 Holt tractor. The material is no longer required by the city.

EL CERRITO, Contra Costa Co., Cal.—Until January 20, 8:30 P. M., bids will be received by Alice M. Walker, city clerk, to furnish and deliver one new Ford automobile, Model A Standard Coupe, complete with standard equipment. Further information obtainable from clerk.

OCEANSIDE, San Diego Co., Cal.—Until 7:30 P. M., Jan. 29, bids will be received by the city council for furnishing the city a one-man motor grader with leaning front wheels and scraper, 12-ft. blade. Bids are to be submitted on installment or rental basis plan of monthly payments for 36 months. A certified check for 5% required. R. L. Loucks, city engineer.

LOS ANGELES, Calif.—Until 10 A. M., Jan. 21, bids will be received by D. P. Nicklin, purchasing agent of the Los Angeles Department of Water and Power, 207 S Broadway, for two electric shovels under Adv. 1231.

SONORA, Tuolumne Co., Cal.—J. L. O'Neil, Sonora, at \$939.55 awarded contract by city trustees to furnish 1½-ton Chevrolet motor truck. Chas. Goetz, Sonora, only other bidder at \$949 for Ford truck.

SACRAMENTO, Calif.—Automotive equipment totalling 33 pieces may be bought for the use of the city employees during the coming year, if a plan outlined by Joseph Plato, city purchasing agent, is approved by the city council. A fund of \$31,420 was set aside in the 1929 budget for this purpose. Twelve new trucks are to be put into service, including one new pumper for the fire department. There will also be four new motorcycles, one tractor and 16 automobiles.

BAKERSFIELD, Kern Co., Calif.—V. Van Riper, city clerk, will ask bids at once to furnish and deliver a 3-ton dump truck for street department. W. D. Clarke is city manager.

RAILROADS

VACAVILLE, Solano Co., Cal.—Utah Construction Co., Phelan Bldg., San Francisco, at approximately \$250,000 awarded contract by Western Pacific Railroad to construct seven and one-half miles of railroad to connect the Sacramento Northern Railway with its so-called "orphan branch," the Vaca Valley line. The new line will start from Creed, 32 miles south of Sacramento, on the San Francisco-Sacramento main line, and will end at Vacaville Junction.

FIRE ALARM SYSTEMS

OAKLAND, Cal.—Crouse-Hinds Co., Syracuse, N. Y., awarded contract by city council to furnish 85 traffic signals at \$2966.50 and 12 secondary traffic signal timers at \$2016 and one master signal timer at \$175.

SAN ANSELMO, Marin Co., Cal.—Sierra Equipment Corp., 361 9th St., San Francisco, at \$6220 submitted low bid to town trustees to install fire alarm system. Gamwell Co. only other bidder at \$6,795. Taken under advisement.

BAKERSFIELD, Kern Co., Calif.—Civic organizations are conferring with City Manager W. D. Clarke relative to the installation of a fire alarm system. According to tentative estimates the installation will involve an expenditure of \$230,000.

NAPA, Napa Co., Cal.—Gamewell Co. at \$2346.10 awarded contract by city council to install fire alarm system to replace that installed 42 years ago. The payments will extend over a period of four years.

FIRE EQUIPMENT

SIGNAL HILL, Los Angeles Co., Cal.—Contract for furnishing 500 ft. of 2½ inch fire hose to the city fire department was awarded by the city council as follows: Eureka Fire Hose Co., 250 ft. at \$1.40 (3-ply Paragon brand). Pioneer Rubber Mills, 250 ft. at \$1.15 ft. (Battleship brand).

MADERA, Madera Co., Cal.—Gibbs Hardware Co., Madera, at 90c per ft. awarded contract by city council to furnish 1,000-ft. Pacific Jacket fire hose.

LOS ANGELES, Calif.—Until 10 A. M., Jan. 29, bids will be received by Thos. Oughton, city purchasing agent, 107 City Hall, for furnishing a straight hose wagon under Spec. 2001, and under Spec. 2000 for furnishing comb. hose wagons.

SAN ANSELMO, Marin Co., Cal.—City trustees reject bids to furnish motor pumper for Fire Department due to the fact that they were unable to agree on the type and capacity of the equipment. New bids will be asked.

RESERVOIRS AND DAMS

LODI, San Joaquin Co., Calif.—See "Power Projects," this issue. Estimates of cost submitted to city council for power development on Mokelumne river.

PASADENA, Los Angeles Co., Cal.—The state railroad commission has authorized the Southern California Edison Co. to give the city of Pasadena an option to purchase 1000 acres of land and the company's hydro-electric plant in the San Gabriel Canyon as the first move toward the proposed \$10,000,000 water and power project of the city, according to S. B. Morris, chief engineer of the Pasadena water department. Plans call for the construction of a gravity dam in the main channel of the San Gabriel river, about 4 miles above Azusa and 6 miles below the Rincon forks site of the Los Angeles county dam. The proposed Pasadena dam would be 295 ft. high above stream bed and 375 ft. above the lowest foundations, providing a storage reservoir of 64,209 acre feet. Bonds in the sum of \$10,000,000 have been voted.

LOS ANGELES, Calif.—Edwards, Wilkey and Dixon, Edwards & Wilkey Bldg., Los Angeles, at \$717,245 awarded contract by county supervisors to construct Harsen Dam and appurtenant structures in Big Tijuana Canyon, 12 miles northeast of Sunland and one mile above Hansen's Lodge; will be concrete arch structure with earth fill wing and will be approx. 204 ft. above stream bed and 300 ft. in length between abutments, earth fill wing on north end, valve outlets and spillway. County will furnish cement, admixture, asphaltum paint or filler reinforcing steel and mesh. Structural steel, etc.

PIPE LINES, WELLS, ETC.

TRACY, San Joaquin Co., Cal.—R. P. Easley, Antioch, awarded contract by Standard Oil Co. to excavate trench for 22- and 27-inch natural gas pipe lines for 40 miles between Tracy and Crockett. W. A. Betchel, 206 Sansome St., San Francisco, has the contract for laying pipe.

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WINTERS, Yolo Co., Cal.—See "Miscellaneous Building Construction," this issue. Gas tanks and pipe lines proposed by Natural Gas Products Co.

SEWERS AND SEWAGE DISPOSAL PLANTS

SEBAS/TOPOF, Sonoma Co., Cal.—City Engineer C. E. Mueller preparing plans for sewage disposal plant for which bonds of \$22,000 were recently voted to finance.

SAN JOSE, Santa Clara Co., Cal.—City Engineer William Popp is completing plans and bids will be asked about Jan. 20 to construct a slough crossing in connection with the new outfall sewer system. The work will cost about \$5400.

PHOENIX, Ariz.—February 11 has been set as the date for the \$3,453,000 water and sewer bond issue election. Of the total, \$2,636,000 will be used for water purposes and \$517,000 for sewer purposes.

ALAMEDA, Alameda Co., Cal.—City Engineer Burnett Hamilton making surveys to provide drainage for area contiguous to High St. north from Lincoln Ave. to Farnside Blvd. Funds will be provided in the 1930-31 budget.

HILLSBOROUGH, San Mateo Co., Cal.—Town trustees will call election to vote bonds of \$28,000 to finance extension of sewer up Cherry Canyon.

TIBURON, Marin Co., Calif.—Clyde C. Kennedy, consulting engineer, in a report to the directors of Sanitary District at Tiburon submitted preliminary plans for laying sewers throughout the district involving 2,700 ft. 8-in. and 10,500 6-in. laterals together with necessary lampholes and manholes. The cost is estimated at \$15,000. A hearing will be held in the Tiburon School February 3. Mrs. Agnes B. Kircher is secretary of the board.

REDWOOD CITY, San Mateo Co., Cal.—Engineer Robert A. Klassen, Courthouse, Redwood City, commissioned by county supervisors to prepare plans for Colma Sanitary sewer system; estimated to cost \$200,000. The sewer will connect with the present Daly City system. Work under County Improvement Act of 1921.

PHOENIX, Ariz.—City Manager G. H. Todd has announced a list of projects contemplated under the proposed \$3,453,000 bond issue for which an election on Feb. 11 has been authorized. Besides, \$317,000 for sewage treatment plant and sewer lines, the following water projects are planned:
• Flow line sand trap to reservoir, \$1-319,000. Reservoir to 16th St. and Thomas Road, 48-in., \$566,000; 12th St. and McDowell Road to 16th St. and Thomas Road, 42-in., \$146,000; line from 16th St. and Thomas Road to 7th Ave., 24-in., \$140,000; belt line distributor system, \$128,000; five wells and pumping plant at Verde river, \$25,000; pump station at Verde river, \$24,000; bank protection at Verde, \$110,000; 10,000,000-gal. reservoir, \$92,000; well field, 168 acres, \$8000; completion of lines within city, \$78,000. Expenditures contemplated under the proposed sewer bond issue include the construction of a sewage treatment plant and mains and lines within the city.

PAJO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee Jr., preparing plans for sewers in Merner Tract.

OAKLAND, Cal.—As previously reported, city council declares intention to construct sewers in Country

Club Manor, Melrose Heights and adjacent streets, protests to be heard January 16. The project involves 3576 lin. ft. 12-in., 1045 lin. ft. 15-in., 1726 lin. ft. 18-in., 3944 lin. ft. 21-in. and 1290 lin. ft. 24-in. vitrified pipe sewer; 48 lin. ft. 24-in. cast iron pipe sewer; 45 manholes; one 12-in. lamphole; 233 wye branches. Geo. N. Randle is city engineer and Frank C. Merritt, city clerk.

LOLETA, Humboldt Co., Calif.—County supervisors have been petitioned to start proceedings for formation of sanitary district to vote bonds to finance construction of a sewage system in the Loleta district. The petition will be considered at the regular meeting of the county board on January 27.

WATER WORKS

PAJO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee Jr., preparing plans to drill well and construct pumping plant at Colorado Ave. and Alma St. The cost is estimated at \$13,300.

ALHAMBRA, Los Angeles Co., Cal.—Until 9 A. M., Jan. 23, bids will be received by the city commission to furnish 1500 tons of cast iron pipe and fittings for use at the Longden Well property. Pipe is to be cement-lined. Bids will be taken at the same time for installation of the pipe. Specifications obtainable from R. B. Wallace, city clerk.

LOS ANGELES, Cal.—An election will be held Jan. 30 in Municipal Improvement Dist. No. 75, to vote on a \$510,000 water works bond issue. A hearing on protests will be held by the council Jan. 15. The district is located in the vicinity of Exposition Blvd., Military Ave., Kelton Ave., National Blvd. and other streets near Palms.

SAN ANSELMO, Marin Co., Cal.—Following bids taken under advisement by town trustees to furnish fire hydrants:

Shand & Jurs Co., Berkeley, 2½-in. single hydrant, \$44; 2½-in. double, \$54.

United Iron Works, Oakland, 4-in. bell inlet singles, \$42; 6-in. Bell inlet singles, \$44; 4-in. Bell inlet doubles, \$52; 6-in. bell doubles, \$54.

M. Greenberg & Sons, San Francisco, 2½-in. single outlet hydrant, \$30; 2½-in. double outlet hydrant, \$40. Rensselaer Valve Co., San Francisco, 2½-in. Corey No. 1 hydrant, \$45; 2½-in. Corey No. 2, \$47.50; Corey steamer connection hydrant, \$52.50.

SAN FRANCISCO—Bids will be asked shortly by Board of Public Works to furnish and install motor-driven centrifugal pump with auxiliary engine drive at Mills Municipal Airport. Specifications have been completed by the Bureau of Engineering, 3rd floor, City Hall.

TURLOCK, Stanislaus Co., Cal.—City Engineer Horace Hall recommends to city council installation of a fifth auxiliary pumping plant in connection with the water system.

WHITTIER, Los Angeles Co., Cal.—The \$310,000 water bond issue which was defeated at the November election will be submitted to voters again at the April 14th election.

SOUTH SAN FRANCISCO, San Mateo Co., Calif.—City council will call election shortly to vote bonds of \$50,000 to finance construction of a municipal swimming pool.

LONG BEACH, Los Angeles Co., Cal.—Chicago Bridge & Iron Works, Rialto Bldg., San Francisco, submitted low bid to the city manager at \$6,875 to furnish and erect 100,000-gal. elevated steel water tank and tower at the foot of Riverside Drive at the east end of Pier No. 1, Long Beach Harbor. The bid or hemispherical bottom tank was \$6450. Other bids were: Des Moines Steel Co., \$6720; Minneapolis Moline Power Implement Co., \$7386; Consolidated Steel Corp., \$7640.

PLAYGROUNDS & PARKS

BAKERSFIELD, Kern Co., Cal.—Supervisor J. O. Hart has announced that developments at the Kern River park this year contemplate creation of a lake suitable for water sports, additions to the zoo, erection of a monument of natural Kern county stone and improvements of two approach roads. Later it is planned to erect a building to house the nucleus of a county museum.

SACRAMENTO, Cal.—B. C. Clark, city engineer, estimating cost of filling old gravel pit at 51st and M Sts., under consideration for a city park site, at \$45,000. Condemnation proceedings for purchase of the land have already been started.

COMPTON, Los Angeles Co., Cal.—Until 8 P. M., Jan. 21, bids will be received by the city council for planting of about 1800 ornamental shade trees in the district bet. Main and Olive Sts., under the Tree Planting Act. Bids will be taken on a number of varieties and the bids will state a unit price per tree. Glen Rood is the city engineer.

SOUTH SAN FRANCISCO, San Mateo Co., Calif.—City council will call election to vote bonds of \$100,000 for public park improvements, and \$15,000 for purchase of lands.

STREETS AND HIGHWAYS

REDWOOD CITY, San Mateo Co., Calif.—City Engineer Chas. Dimmitt instructed to prepare estimates of cost for new bridges, street extensions and sewers which may be included in a bond issue on the ballot at the municipal election April 14. Included in the estimates will be the new bridge across the Redwood Creek at Bradford St., the type of which is dependent upon the state highway commission's application before the war department to close the creek and erect a bridge of its own 700 ft. further downstream.

CALIFORNIA—The attention of contractors is called to a "Notice to Contractors," published in another column of this issue, where contractors will be required to file a statement of their experience and financial condition with the State Department of Public Works, before being furnished with plans and specifications on State Highway construction. Prospective bidders are requested to file their statements, or to supplement previous statements, for qualifying to bid on a job at least fourteen days before they desire to take out plans and specifications, in order to allow sufficient time to review and pass on the statement or supplemental data. No plans and specifications will be furnished to prospective bidders until their statement of experience and financial condition has been examined and approved.

SOUTH SAN FRANCISCO, San Mateo Co., Calif.—City council will call election shortly to vote bonds of \$20,000 to finance paving of Orange Ave.

OAKLAND, Cal.—Until January 23, 12 noon, bids will be received by Frank C. Merritt, city clerk, to improve portions of Proctor Ave., Florence Ave., St. Paul Court and Estates Drive, involving grade, curbs, gutters, pave; conduits and storm water inlets. Imp. Act 1913. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Geo. N. Randle, city engineer.

OAKLAND, Cal.—City declares intention to improve portions of Plymouth St., 99th Ave. and Cherry St., involving grade; pave; curbs, gutters, walks; corr. iron and concrete culverts; wye branches and handholes; sewer with appurtenances. 1911 Act. Hearing January 30. Frank C. Merritt, city clerk. Geo. N. Randle, city engineer.

SAN MATEO COUNTY, Cal.—Fredrickson & Watson & Fredrickson Bros., 754 Hobart St., Oakland, at \$406,145 awarded contract by State Highway Commission to grade 7.3 miles between San Mateo and Redwood City.

SANTA CLARA COUNTY, Calif.—Hanrahan Co., Standard Oil Bldg., San Francisco, at \$264,906 awarded contract by State Highway Commission to grade and pave with Portland cement concrete and asphalt concrete 4.4 miles between San Francisco and San Antonio Ave.

SISKIYOU COUNTY, Cal.—Wren & Greenough, Portland, Ore., at \$571,626 awarded contract by State Highway Commission to grade and surface with untreated crushed gravel or stone, 7 miles between Yreka and Klamath river.

OAKLAND, Cal.—County Surveyor Geo. A. Posey preparing plans to widen so-called "lower highway" into 1-lane traffic artery between San Lorenzo Junction and Warm Springs; estimated cost \$110,000.

SAN JOSE, Santa Clara Co., Cal.—Until January 20, 8 P. M., bids will be received by John J. Lynch, city clerk, to construct under Southern Pacific R. R. Track at Station 178-60 on the line of San Jose outfall sewer a Port. cement concrete structure upon an Oregon Pine timber cradle. Cert. check 10% payable to City required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor Geo. A. Kneese instructed to prepare plans for San Pedro Mountain Highway for joint highway district which includes the counties of San Mateo, San Francisco and Santa Cruz. The project will cost \$150,000.

CHOWCHILLA, Madera Co., Cal.—State Department of Public Works, Division of Highways, has filed application with the State Railroad Commission for authority to construct a grade over the tracks of the S. P. R. R. at Chowchilla.

SOLANO COUNTY, Calif.—C. W. Wood, Stockton, at \$27,374 awarded contract by State Highway Commission to grade and pave with Portland cement concrete 0.7 miles through Dixon.

VENTURA, Ventura Co., Calif.—C. H. Sweetser, district engineer of the U. S. Bureau of Public Roads, 461 Market St., San Francisco, has announced that the department is ready to expend between \$100,000 and \$250,

000 toward the cost of constructing the Maricopa - Carpinteria highway through the Santa Barbara national forest.

SANTA CLARA, Santa Clara Co., Cal.—City declares intention (17-D) to improve portions of Fremont, Benton, Liberty, Lafayette, Alviso, Lexington and Sherman streets (approximately 40 blocks in all), involving grading; asphalt concrete on quarry waste base; cement concrete curbs, gutters, walks and driveway approaches; vitrified clay pipe main sanitary sewers; wye branches and laterals. 1911 Act, Bond Act 1915. Hearing January 22. A. J. Cronin, city clerk. Geo. Sullivan, city engineer.

JANTA BARBARA, Cal.—Until February 3, bids will be received by D. F. Hunt, county clerk, to build up and oil shoulders of present Orcutt-Casmalia road in 5th Road District, from lower Orcutt road, for a distance of 3 miles west towards Casmalia. Certified check 10%, payable to Chairman of Board of Supervisors, required with bid. Plans obtainable from county clerk.

COMPTON, Los Angeles Co., Cal.—A resolution of intention will be introduced before the council Jan. 14 for paving streets west of Compton Ave. bet. Compton Ave. and west city limits, involving about 300,000 sq. ft. of 5-in. concrete pavement and water mains. Glen Road is the city eng.

STOCKTON, San Joaquin Co., Cal.—Until January 27, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to improve the Jack Tone road from the E. T. Hutchins Rd. to Lockford in Rd. Dist. No. 2. Certified check or bid bond 10% payable to Chairman of Bd. of Sups. required with bid. Bond of 50% of contract price required of successful bidder. Specifications obtainable from Julius Manthey, county surveyor.

SAN FRANCISCO—Until January 22, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to remove sand from roadway and sidewalk area and construct bulkhead in north half of Irving St. from east side of 43rd Ave. 95 ft., easterly. Est. cost, \$400. Cert. check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd Floor, City Hall.

LAKEPORT, Lake Co., Cal.—Chas. Kuppinger Co., Lakeport, at \$83,100 awarded contract by city trustees to furnish and place 1,000 yds. of river run gravel, not over 1½-inches in dia., through 1½-inch square mesh or revolving screen with 1-in. holes, on the rdwy. from corner of 16th and High Sts. north to town limits. Other bids were: Rutherford and McWhon, Lakeport, \$85 (unsecured); W. H. Slankard, Lakeport, \$135 yd.; E. M. Noble, Marysville, \$175 yd.

SAN FRANCISCO—Federal Const. Co., Cal. Bldg., at \$106,923 awarded contract by Board of Public Works to improve Great Highway (lower road) between Ulloa St. and Lincoln Way, involving 1900 lin. ft. 12-in. V. C. P. sewer, 2100 lin. ft. 6-in. V. C. P. side sewer; 22 12x6-in. Y or T branches; 10 hr. manholes; 63 br. catchbasins; 5 br. catchbasins, to be reset; 1960 lin. ft. 10-in. V. C. P. culverts; 17,500 lin. ft. armored concrete curb; 15,955 lin. ft. conc. gutter; 1000 lin. ft. conc. curb to be reset; 200 lin. ft. 2x8-in. redwood headers; 355,000 sq ft. asp. concrete

pave, comprising 2-in. asp. concrete surface and 6-in. class F conc. base; 54,600 sq. ft. 1-course conc. walks; 9,000 lin. ft. 1½-in. standard black pipe conduit; 300 lin. ft. 1½-in. standard black pipe conduit in place under existing pavement; 2 hacons; 2500 metal pedestrian lane markers (installation); 50 turning buttons (installation); 13 wired type arterial stop signals (install); 13 wired type arterial stop signs (install); one post for signs (install); 12 pole risers, complete in place; 1300 lin. ft. 2-conductor No. 10 A. W. G. copper cable, rubber and lead covered, 600 volt. insulation 1/16-in. lead.

OROVILLE, Butte Co., Calif.—Until Feb. 3, 8:30 P. M., bids will be rec. by Charles Schiefel, acting city clerk, to imp. Sts. in Acq. and Imp. Dist. No. 3, including Washington Ave., bet. Yard St. and Oro Ave., etc., involv.: (prices quoted are engineer's estimate) 13,300 cu. yds. grading-excitation, \$1 cu. yd. 3000 cu. yds. grading-sewer excavation, \$1.25 cu. yd.; 132,000 sq. ft. 4-in. oiled macadam pavement, \$1.0 sq. ft.; 26,550 sq. ft. hyd. conc. sidewalks, \$2.30 sq. ft.; 7260 lin. ft. hyd. conc. curb, \$7.0 lin. ft.; 7000 lin. ft. hyd. conc. gutter, \$6.0 lin. ft.; 3350 lin. ft. 6-in. conc. sewer pipe, \$5.0 lin. ft.; 20 lin. ft. 12-in. do. \$7.5 lin. ft.; 795 lin. ft. 18-in. do. \$15.0 lin. ft.; 15 sewer manholes, \$100 each; 2 sewer lampholes, \$25 ea.; 13 c. i. sewer drains, \$18 each; 700 lin. ft. 8-in. corrugated iron culvert pipe, \$1.25 lin. ft. Acq. and Imp. Act 1925. Cert. check 10% payable to city required with bid. Plans obtainable from S. J. Norris, city engineer.

SAN FRANCISCO—Board of Public Works requests supervisors to make \$3,000,000 available for the construction of boulevards and sewers during the current year. The money, according to T. A. Reardon, president of the works board, is available from the recent sale of boulevard and health bonds.

OAKLAND, Cal.—County Surveyor Geo. A. Posey preparing plans for Farewell Grade Crossing in connection with widening of Niles Canyon Road; estimated cost of crossing \$50,000.

SAN FRANCISCO—Fay Imp. Co., Phelan Bldg., at \$1787 awarded contract by Board of Public Works to improve Bayshore Ave. bet. Tunnel Ave. and Wheeler Ave., involv. conc. curbs; side sewers; 6-in. conc. base, 1½-in. asp. conc. surface pavement and one br. catchbasin with 10-in. ironstone pipe culvert and art. stone walks at crossing of Tunnel and Bayshore Avenues.

OAKLAND, Cal.—County Surveyor Geo. A. Posey estimate cost of widening East Fourteenth St. from San Leandro to Hayward at \$100,000 and \$50,000 for extension of Redwood Creek Canyon road toward Castro Valley.

SAN JOSE, Santa Clara Co., Cal.—City council starts proceedings to pave 19th St., bet. St. James and Washington Sts. Wm. Popp, city engineer.

OAKLAND, Cal.—City council has started proceedings to open and extend Grand Ave. from Broadway to Telegraph Ave. Geo. N. Randle, city engineer, estimates the cost at from \$900,000 to \$1,000,000, which will include purchase of lands, etc.

SAN FRANCISCO—Board of Supervisors contemplates a bond issue for \$1,000,000 to finance completion of civic center project, involving extension of Leavenworth street from McAllister to Fulton street; the opening of Fulton street for its entire width to Market street and construction of a facade on the south side of Fulton street of the Pantages Theatre Building.

OAKLAND, Cal.—City council declares intention to improve 90th Ave., between Foothill Blvd. and Sunnyside St. and portions of Elmar and Toler Aves., adjacent to 99th Ave., involving grade; curbs; gutters; pave; corrugated iron and concrete culverts; storm water drainage system. City will pay a portion of cost from General Treasury. 1911 Act. Hearing Feb. 6. Frank C. Merritt, city clerk. Geo. N. Randle, city engineer.

SANTA BARBARA, Cal.—City Eng. E. B. Brown has announced that public improvements, including 4 street projects, as planned for 1930, will total about \$170,000.

CORTE MADERA, Marin Co., Cal.—Town trustees have started proceedings for a road to connect Corte Madera with the new San Rafael-Alto highway. The first step will be taken at an election Feb. 1 to exclude 50 acres of marsh land from the town limits. Exclusion of this land was one of the stipulations of the State Highway Commission in its offer to build the road. The road will be approx. .6 mi. in length.

LYON & CHURCHILL COUNTIES, Nev.—Until January 29, 2 P. M., bids will be received by State Highway Commission, S. C. Durkee, state highway engineer, to improve 17.99 miles of highway from 1/2 mile west of Fernley to Fernley and from 3 miles east of Fernley to Leteville, involving grading, structures and gravel surface.

KERN COUNTY, Cal.—Following three low bids received Jan 15 by State Highway Commission, to grade and surface with bituminous macadam 15.5 miles bet. west boundary and Junction Pumping Station:
Valley Paving & Constr. Co., \$264,655
Visalia 231,452
J. E. Johnston, Stockton..... 231,452
C. R. Johnson, San Francisco. 238,539

IMPERIAL COUNTY, Cal.—Following three low bids received Jan. 15, by State Highway Commission to grade and pave with cement concrete 2.9 miles bet. Myers Creek Bridge and 3 miles west of Coyote Wells:
Basch Bros. Con. Co., L. A. \$121,148
Watson & Sutton, San Diego..... 135,326
George Herz & Co., San Bernardino 138,127

CHICO, Butte Co., Cal.—City council plans to pave 22 miles of unpaved streets within the next four years, according to City Engineer Polk. Beginning with Spring, all dirt streets will be graded, bladed and scraped and surfaced with oil.

YREKA, Siskiyou County, Calif.—A. Young, Yreka, at \$1.60 cu. yd. at the bunkers, awarded contract by county supervisors to furnish crushed rock for road work and at \$1.60 cu. yd. to furnish 1,000 cu. yds. of surfacing material, delivered on roads between Montague and the Shasta river.

OROVILLE, Butte Co., Calif.—Until Feb. 3, 8 P. M., bids will be received by Charles Schleef, acting city clerk, (499) to widen and improve Downer St. under Acq. and Imp. District No.

4, involving re-grading; hyd. cement concrete walks, curbs, gutters, retaining walls; c. i. drains; Warrenite-Bit. asph. conc. pave. Work under Acq. and Imp Act 1925. Cert. check 10% payable to city req. with bid. Plans obtainable from S. J. Norris, city eng.

PACIFIC COLONY, Los Angeles Co., Cal.—Pearson & Dickerson, Riverside, at \$3000 submitted low (informal) bid to State Department of Public Works, Division of Architecture, to improve roads at Pacific Colony. Other bids: Shannahan Bros., Los Angeles, \$3570; F. Payton, Norwalk, \$4605.

NEWPORT BEACH, Orange Co., Cal.—Griffith Co., Los Angeles Railway Bldg., Los Angeles, at \$1,170,950.68 awarded contract by city council to improve streets in Lido Isle, under 1911 Act, involving in the main, grading; 737,509 sq. ft. 6-in. Warrenite-Bit. pave., 28c sq. ft.; 271,755 sq. ft. 4 1/2-in. Warrenite-Bit. pave., 22c sq. ft.; 200,000 sq. ft. cem. conc. sidewalks, 22c sq. ft. vit. clay pipe sewers; 1 reinforced concrete pumping station, \$15,000; steel plunger girder bridge, \$55,000; underground conduit system for ornamental street lighting, \$237,295; five pleasure piers, \$10,000, etc.

MONTEBELLO, Los Angeles Co., Cal.—J. E. Haddock, 357 North Chester St., Pasadena, at \$258,615 submitted low bid to the city council to improve Via Acosta and other streets, involving 600,000 sq. ft. Durite asphalt concrete pavement; 147,000 sq. ft. oil and rock pavement; 30,000 lin. ft. cement curb; 184,000 sq. ft. cement side walk; 100,000 cu. yds. grading. Hall-Johnson Co., next low at \$261,815.

ALAMEDA, Alameda Co., Cal.—City Engineer Burnett Hamilton in a report to city council estimates cost to widen and reconstruct Maitland drive on Bay Farm Island, a unit of the Alameda-San Leandro highway, at \$44,185.62. Several sharp turns in the road would be eliminated under the improvement.

ALAMEDA, Alameda Co., Cal.—City Engineer Burnett Hamilton is making surveys to rearrange streets east of High St. and south of San Jose Ave. Estimates of cost will be submitted to the city council shortly.

TAFT, Kern Co., Cal.—City trustees will start proceedings immediately to pave 6th St. from Main St. to the south city limits.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, 3rd floor, City Hall, completes specifications to improve Benton Ave. bet. Bache and Porter Sts., involving 500 cu. yds. cut; 280 lin. ft. concrete curbs; 120 lin. ft. 8-in. vitrified clay pipe sewer; 4 wye branches on 3-in. V. C. P. sewer; 60 lin. ft. 6-in. V. C. P. sewer; 1 brick manhole, 4,200 sq. ft. 2-in. asph. conc. surface pave. on 6-in. class-F concrete base. Est. cost \$2300.

EUREKA, Humboldt Co., Cal.—City council petitioned to grade and pave 6th St. bet. D St. and Broadway, under the 1911 Act and Bond Act 1915. Referred to City Engineer E. D. Gardner.

HILLSBOROUGH, San Mateo Co., Cal.—Town trustees will call election to vote bonds of \$3000 to finance repairs to Brownfield road.

SANTA CRUZ, Santa Cruz Co., Cal.—Until January 20, 2:45 P. M., bids will be received by S. A. Evans, city clerk, (453-C) to improve portions of Easterly Ave. and Sherman St., involving cem. conc. pavement; cem. conc. sidewalks, driveway approaches;

vit. clay pipe sewer laterals; wrought iron pipe water service. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Roy Fowler, city engineer.

MARTINEZ, Contra Costa Co., Cal.—City council petitioned to improve E St., and Ricks and Elmqvist Courts in the new residential district lying south of the Alhambra High School Tract, involving grading, curbs and gutters. Concrete base pavement with a patented surface pavement is proposed.

OAKLAND, Cal.—City Council has started proceedings to improve 73rd Ave., from Diana Ave. to Simpson St., involving grade, curbs, gutters, paving. Geo. N. Randle, city engineer.

SALINAS, Monterey Co., Cal.—Until January 20, 7:30 P. M., bids will be received by M. R. Keef, city clerk, (83) to imp. portions of Villa, Park Sts., Homestead Ave., etc., involving grade; 5-in. hyd. conc. pave.; hyd. conc. curbs, walks. 1911 Act. Bond Act 1915. Cert. check 10% payable to city required with bid. Plans on file in office of clerk. Howard Cozzens, city engineer.

SALINAS, Monterey Co., Cal.—Until January 20, 7:30 P. M., bids will be received by M. R. Keef, city clerk, (82) to improve California St. bet. Willow St. and south city limits, involving grade; 5-in. hyd. cement conc. pave.; hyd. cement concrete curbs, walks. 1911 Act. Bond Act 1915. Cert. check 10% payable to city req. with bid. Plans on file in office of clerk. Howard Cozzens, city engineer.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Fay Improvement Co., Phelan Bldg., San Francisco, at \$51,082.70 submitted low bid to city trustees (68) to improve portion of Linden Ave., bet. Railroad and San Bruno Aves., involving grade; hyd. cem. conc. curbs, gutters, walks; 6-in. hyd. cem. conc. base, 2-in. asph. concrete surface pavement; storm water sewers with catchbasins; 36 electrolites of hollow-spun granite (Westinghouse Belmont design), together with underground system; vit. san. sewer; 7 br. manholes; 22 4-in. vit. pipe laterals with wyes. Other bids, all taken under advisement, were. Jas. T. Tobin, \$51,951; Hanrahan Co., \$52,666; Union Paving Co., \$54,679; Meyer Rosenberg \$56,357; E. J. Treacy, \$58,368; California Constr. Co., \$58,882; Louis J. Cohn, \$67,112.

SALINAS, Monterey Co., Cal.—Bids will be asked shortly by county supervisors to improve county highway extending from Pacific Grove to the toll gate at the crest of Carmel Hill. Will be approximately 2.9 miles in length and will be financed with funds from the \$2,000,000 county bond issue. Howard Cozzens is county surveyor.

OAKLAND, Cal.—City Engineer Geo. N. Randle preparing plans to improve 99th Ave., bet. Foothill Blvd. and Sunnyside St., and portions of Elmar and Toler Aves., adjacent to 99th Ave., involving grading, curbs, gutters and 4-inch waterbound macadam base with 3-inch asphaltic concrete Willite surface.

PHOENIX, Ariz.—February 11 has been set as the date for the \$3,453,000 water and sewer bond issue election. Of the total, \$2,636,000 will be used for water purposes and \$817,000 for sewer purposes.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

28 Listman.	Erickson	4000
29 Meyer	Owner	4000
30 Republic	Brumfield	1995
31 Samuelson	Owner	6000
32 Hughes	Owner	4000
33 Schnapp	Owner	4250
34 Biggins	Peterson	5620
35 Boalino	Sharmar	4000
36 Donaghue	Horstmeyer	1350
37 Meyer	Owner	8000
38 Ippolito	Owner	2650
39 Grosman	Owner	3500
40 Loupe	Malloch	1000
41 Mohr	Owner	4000
42 Kroner	Owner	1250
43 St. Ignatius	Barrett	20000
44 Smith	Michel	1500
45 Heurg	Siegrist	6000
46 Hanks	Monson	2500
47 Stoneson	Owner	21000
48 Allison	Owner	3900
49 Gianola	Fetz	2000
50 Harder	Owner	8000
51 Holden	Terry	18000
52 Loftus	Owner	3800
53 Williams	Coburn	2000

DWELLING

(28) S ALEMANY 195 E Silver; one-story and basement frame dwelling.

Owner—E. and M. Listman, 351 Surrey Street.
Contractor—H. Erickson, 972 Chenery.

Architect—None.
Contractor—H. Erickson, 972 Chenery. \$4000

DWELLING

(29) N HALE 23 W Boylston; 1-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr.
Architect—None. \$4000

SIGN

(30) SW SUTTER & STEINER Sts.; vertical electric sign.

Owner—Republic Theatre Co., Sutter and Steiner Sts.
Architect—None.

Contractor—Brumfield Elec. Co., 965 Folsom St. \$1995

DWELLING

(31) E DARIEN 155 N Kenwood; one-story and basement frame dwelling.

Owner—A. M. Samuelson, 901 Geneva.
Architect—None. \$6000

DWELLING

(32) W 24th AVE. 200 N Irving St.; one-story and basement frame dwelling.

Owner—T. Hughes, 505 O'Farrell St.
Plans by Owner. \$4,000

DWELLING

(33) W 31st AVE. 300 N Taraval; one-story and basement frame dwelling.

Owner—J. Schnapp, 2421 Lake St.
Architect—None. \$4250

ALTERATIONS

(34) 2432 MISSION ST.; alterations to stores.

Owner—P. Biggins, 2603 33rd St.
Architect—J. J. Foley, 770 5th Ave.
Contractor—A. Petersen, 2720 San Bruno Ave. \$5600

DWELLING

(35) S GREENWICH 106 E Divisadero; one-story and basement frame dwelling.

Owner—L. Boalino, care 1514 Irving Street.

Architect—None.
Contractor—T. R. Sharmar, 1514 Irving St. \$4000

REPAIRS

(36) 1246 42nd AVE.; repair fire damage.

Owners—F. B. and G. Donaghue, 1246 42nd Ave.

Architect—None.
Contractor—W. Horstmeyer Co., 31 Ord St. \$1350

DWELLINGS

(37) N EVELYN 255 W Teresita; 2 1-story & basement frame dwellings.

Owner—Meyer Bros., 127 Portola Dr.
Architect—None. each \$4000

DWELLING

(38) W MULLEN 48 N Alabama St.; one-story and basement frame dwelling.

Owner—S. Ippolito.
Architect—None. \$2650

DWELLING

(39) E ALEMANY 130 N Silver; one-story and basement frame dwelling.

Owner—W. E. Grosman, 47 Curtis St.
Architect—None. \$3500

ALTERATIONS

(40) 1426 POLK ST.; alterations for stores.

Owner—L. Loupe, Alexander Bldg.
Architect—None.
Contractor—J. S. Malloch, 666 Mission St. \$1000

DWELLING

(41) E MONETA 130 N Farragut; 1-story and basement frame dwelling.

Owner—R. Mohr & Sons, 116 9th St.
Architect—None. \$4000

ALTERATIONS

(42) 158 JORDAN AVE.; alterations to dwelling.

Owner—L. Kroner.
Architect—M. A. Sheldon, 819 Monadnock Bldg. \$1250

ALTERATIONS & ADDITIONS

(43) N FULTON ST. 150 E Stanyan; alterations in and additions to faculty building.

Owner—St. Ignatius College, Fulton St. near Stanyan.

Architect—E. A. Eames, 353 Sacramento St.
Contractor—Barrett & Hilp, 918 Harrison St. \$20,000

Capital City Title
Company

J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

(44) SE COR. COOK & GEARY St.; one-story steel frame auto supply station.

Owner—F. A. Smith, 798 10th Ave.
Architect and Contractor—Michel and Pfeffer Iron Works, 1415 Harrison St. \$1500

ADDITION & ALTERATIONS

(45) SW COR. GRANT AVE. AND Sacramento St.; one-story steel and concrete addition and alterations.

Owner—L. Heurg, SW corner Grant Ave. and Sacramento St.
Architect—F. W. Dakin, 625 Market Street.

Contractor—F. R. Siegrist, 604 Mission St. \$6,000

ALTERATIONS

(46) 624 SACRAMENTO ST.; alterations to loft building.

Owner—A. A. Hanks, Jr., 624 Sacramento St.
Architect—None.

Contractor—Monson Bros., 445 6th St. \$2500

DWELLINGS

(47) S GENEVA 250 W Cayuga; six 1-story and basement frame dwellings.

Owner and Builders—Stoneson Bros. & Thorinson, 279 Yeiba Buena Avenue.

Architect—C. F. Strothoff, 2274 15th Street. each \$3500

DWELLING

(48) W FOLSOM 50 N Stoneman; 1-story and basement frame dwelling.

Owner—R. Allison, 410 Eddy St.
Architect—None. \$3900

ALTERATIONS

(49) 755 GIRARD ST.; alterations to dwelling.

Owner—D. Gianola, 761 Girard.
Architect—None.

Contractor—P. Fetz, 326 Wilde St. \$2000

DWELLING

(50) SE VERMONT and 20th Sts.; one-story and basement frame dwelling.

Owner—J. H. Harder, 805 Vermont St.
Plans by Owner. \$3000

DWELLINGS

(51) S FILBERT 103 E Divisadero; two 2-story and basement frame dwellings.

Owner—St. George Holden, Russ Bldg.
Architect—C. F. Strothoff, 2274 15th St.
Contractor—W. L. Terry, 90 Allston way. each \$9000

DWELLING

(52) NE PUTZGERALD 150 SE Charter Oak; one-story and basement frame dwelling.

Owner—T. F. Loftus, 1295 31st Ave.
Architect—None. \$3300

REPAIRS

(53) 312 MONTCALM St.; repair fire damage.

Owner—J. Williams, 312 Montcalm.
Architect—None.

Contractor—Ira W. Coburn, Hearst Bldg. \$2000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

6 Heung	Siegrist	8569
7 Sims	Johnson	10185
8 Hoffmann	American	2080
9 P'igone	Maggio	850
10 Marian	George	1285
11 Same	Same	15365
12 Steffen	Mamix	1100

ADDITION

(6) S SACRAMENTO ST. and West Grant Ave. S 68-9 x W 34-1/2; all work on 1-story addition to 2-story building.

Owner—L. Heurg.

Architect—F. W. Dakin 625 Market St. Contractor—F. R. Siegrist, 693 Mission. Filed Jan. 9, 1930. Dated Dec. 30, 1929.

Roof shafters sheathed.....\$2142

Plastering completed.....2142

Completed.....2142

Usual 35 days.....2143

Architect's fee, \$428.

TOTAL COST, \$8569

Forfeit, \$5 per day. Limit, 60 days.

CHURCH BLDG.

(7) W POWELL 68-9 N Washington N 68-9 x W 137-6; all work on church building.

Owner—W. J. Sims and W. A. Davis for Board of Missions of M. E. Church, South.

Architect—None.

Contractor—S. G. Johnson.

Filed Jan. 10, 1930. Dated Jan. 9, 1930.

Frame up.....\$2500

Enclosed, 1st coat of plaster on 2500

Completed and accepted.....2500

Usual 35 days.....2595

TOTAL COST, \$10,135

Limit, 90 days. Plans and Spec. filed.

ALTERATIONS

(8) SW 24th & CHURCH; all work for alterations to store.

Owner—F. Hoffmann.

Plans by Suppt. Edw. McGlynn.

Contractor—The American Woodworking Co., 2800 20th St.

Filed Jan. 10, 1930. Dated Dec. 26, 1929.

Progress payments.....75%

Usual 35 days.....25%

TOTAL COST, \$2800

Plans and Spec. filed.

PAINTING

(9) NW TAYLOR ST. and Redfield Alley; painting on two-story and basement frame building.

Owners—Nicola and Pietro Figone.

Architect—Italo Zanolini, 604 Montgomery St.

Contractor—J. Maggio, 2305 Greenwich Street.

Filed Jan. 10, 1930. Dated Jan. 2, 1930.

Second coat completed.....\$318.75

Completed and accepted.....318.75

Usual 35 days.....212.50

TOTAL COST, \$850

Limit, 90 days.

DECORATING

(10) NW GREENWICH ST. AND Van Ness Avenue. All work for Redecorating apartments.

Owner—Marian Realty Co., Ltd., 110 Sutter St., San Francisco.

Architect—D. D. Stone, Great Western Power Bldg., Oakland.

Contractor—George Bros. or F. F. and H. R. George, Los Angeles.

Filed Jan. 11, '30. Dated Dec. 20, '29.

When completed.....\$1033.75

Usual 35 days.....346.25

TOTAL COST, \$1385.00

Bond, \$1385. Surety, Fidelity Casualty Co. Limit, 30 days. Forfeit, none.

Plans and specifications filed.

(11) PAINTING, ETC., ON ABOVE.

Contractor—George Bros. or F. F. and H. R. George, Los Angeles.

Filed Jan. 11, '30. Dated Dec. 20, '29.

50% painted inside.....\$384.25

75% painted outside.....384.25

When completed.....3341.25

Usual 35 days.....3341.25

TOTAL COST, \$15,365.00

Bond, \$15,365. Surety, Fidelity Casualty Co. Limit, forfeit, none. Plans and specifications filed.

LATHING & PLASTERING

(12) SE COR. PAGE & ASHBURY Sts.; lathing and plastering of building.

Owner—A. F. Steffen, 81 Hoff St.

Architect—W. H. Armistage, Call Bldg.

Contractor—F. M. Mamix.

Filed Jan. 14, 1930. Dated Jan. 13, 1930.

Brown coated.....\$550

Completed.....275

Usual 35 days.....275

TOTAL COST, \$1100

Limit, all possible dispatch. Plans and Spec. filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Jan. 9, 1930—SW CASELLI AVE 104

St. Marco 26x76 Irregular C Johnson

to whom it may concern.....

Jan. 8, 1930—1200 18th ST SW cor

18th and Mississippi. John Car-

dinaline to G Ansok.....Jan. 7, 1930

Jan. 8, 1930—E 20th AVE 256-2 N

Santiago N 25 x 120. Gustaf O

Stalin to whom it may concern.....

Jan. 8, 1930—NE MT VERNON AVE

24-6 SE Louisburg SE 25 x NE 90

ptn Lots 19 and 20 San Miguel Hd

Assn. Minnie R Haynes to C A

Evans.....December 31, 1929

Jan. 9, 1930—NE THOMAS AVE 250

SE Lane SE 25 x NE 100 ptn blk

387 South S F Hd & R R Assn.

Antoine Orta to Ernest Lombardi

.....January 8, 1930

Jan. 9, 1930—E TAYLOR 80 N Jack-

son N 27-6 x E 147-6. V J Solari

to A Ramazotti.....January 7, 1930

Jan. 9, 1930—E 20th AVE 225 S Pa-

checo S 25 x E 120. John E and

Ethel M McCarthy to whom it may

concern.....January 7, 1930

Jan. 13, 1930—COMG N 40 E 85-40

E 66 S 4-40 of inter of N 22nd &

Michigan E 320xS 730 W 320 N 330.

P G & E to The Stacey Bros Gas

Constr Co.....January 6, 1930

Jan. 13, 1930—LOT 24 BLK 6908 In-

gerside Terrace. Mortgage Guar-

anty Co to Kenneth H Dyer.....

.....January 6, 1930

Jan. 13, 1930—SW CHENERY 75 NW

Burnside (which SW Cheney St

for purpose of this description is

assumed to bear N 66° 27' 30"

from Burnside Ave) N 66° 27' 30"

alg SW Cheney 25 S 23° 32' 30"

W 114.63 S 39° 13' 43" E 28; 12 to

irter of line drawn SW at right

angles to SW Cheney from pt

beg NE alg line so drawn 127.50 to

beg Alexander Vishnevsky to

whom it may concern.....Jan. 10, 1930

Jan. 13, 1930—NW RHODE ISLAND

and 23rd 25x100. Michele and Flora

Chiedo to whom it may concern.....

.....January 11, 1930

Jan. 11, 1930—W 30th AVE 100 S

Kirkham 25x120. John W and

Gertrude Rogers to whom it may

concern.....January 9, 1930

Jan. 10, 1930—W DIVISADERO 50 S

Washington W 120 x S 50. John

Buchanan, Peter Vukicevich and

Wm McIntosh to Andrew Jackson.....

.....January 9, 1930

Recorded Accepted

Jan. 10, 1930—E EULES AVE 200 N

Holloway ST 25x112. J and H Mager

to whom it may concern.....

.....January 9, 1930

Jan. 10, 1930—717 SUTTER ST com-

g on Sutter 67-6 W Taylor W 27-6

x S 100. Aprha West to whom it

may concern.....January 7, 1930

Jan. 10, 1930—S NEY 75 W Fruit W

25x100. Nellie Eecar to R N Gib-

son.....January 9, 1930

Jan. 14, 1930—S BAY 93-9 E Baker

E 25 x S 137-6. Attilio and Elea-

nor Zerga to Sbarbo & Jorgen-

sen

Jan. 14, 1930—W BRYANT 100 S

Alameda S 120 or Bryant x E 200

to York. Continental Baking Co

to MacDonald & Kahn, Inc.....

.....January 3, 1930

Jan. 14, 1930—15 MANOR DRIVE W

Manor Drive 106 N Ocean Ave.

Victor E Chalk to whom it may

concern.....January 4, 1930

Jan. 14, 1930—E MISSION & ALL-

son SE 47-14 x NE 25 NW 62-94

to SE Mission SW 29-14 to beg.

The McCarthy Co to Meyer Bros.....

.....January 10, 1930

Jan. 14, 1930—E MILTON 160 S Bo-

worth S 25 x E 100. Ed C Lind-

berg to A Camilli.....January 4,

1930—SE IRVING & 26th

Ave E 57-6 x S 100. Manfred

Johnson to whom it may concern

.....January 13, 1930

Jan. 14, 1930—W 19th AVE 78 S Ri-

quiera S 25 x W 110. George A and

Edythe W Bindon to C O Blincoe

.....January 13, 1930

Jan. 14, 1930—W FRANCIS 600 W

Mission 25x100. Lorenzo Giorda-

nengo to A De Benedetti.....

.....January 11, 1930

Jan. 11, 1930—W FOLSON 100 N

18th St N 40 x W 122-6 known as

2168 Folsom St. Chas A Orth to

Richard H Harms.....January 3, 1930

Jan. 12, 1930—N TOLEDO WAY 259

W Malcorra Way 25x100. G J Ee-

lington & Sons to whom it may

concern.....

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Jan. 9, 1930—S COMMERCIAL 68-9

E Grant Ave S 22 x S 65. M J

Fagerudd vs H Hagas Lee, On

Tin, Lee L Yen and Lee Y Tong,

Joseph Hill.....\$30

Jan. 9, 1930—NW GRANDVIEW AVE

175-31/2 SW Morgan Alley SW 24-

104 N 77-45 W 165 NE 25-3 SE

161-61/2. J S and S I Guerin as J S

Guertin & Co vs J E Hensel.....\$273.10

Jan. 9, 1930—E 20th AVE 256-2 N

Masonic Ave W 50 x S 100. Stand-

ard Asbestos Co vs G Y Morton Co,

A H Kinsey and N H Johnstone.....\$79

Jan. 9, 1930—S NEY 75 W Grant Ave

W 25 x S 86. J Pellini vs N P Es-

cobar and R N Gibson.....\$125

Jan. 9, 1930—SW RUSSIA AVE 75

NW Prager W 25 x SW 100. J

Pellini vs H L Swanson.....\$110

Jan. 9, 1930—GRANDVIEW AVE

175-31/2 W Morgan Alley. Thomas

F Garrett vs J B Hensel.....\$37.76

Jan. 8, 1930—N CLEMENT 50 E 30th

Ave E 19 x N 25. Scott Co, Inc vs

Thos Hamill Bldg Co, Max and E

Kruger.....\$165.20

Jan. 8, 1930—N CLEMENT 50 E 30th

E 19 x N 25. Eureka Sash, Door &

Moulding Mills, \$100; J H McCal-

lum, \$192.59, vs Thomas Hamill

Bldg Co, and A J Diamond.....

Jan. 8, 1930—COMG AT INTER VAN

Ness Ave and Sutter ST 109-9 W

Van Ness Ave W 60 S 120 E 60 N

C U Martin vs John Roser-

feld's Sons.....\$269

Jan. 13, 1930—LOT 32 BLK 6745 on

Wildier Ave bet Diamond and Ar-

lington Sts. Louis J Cohn vs Nora

Dennehy.....\$310

Jan. 13, 1930—LOTS 9 & 10 BLK 6742

on Wildier Ave bet Diamond and

Arington Sts. Louis J Cohn vs

Sam Ganci and Giuseppe Velloni.....

Jan. 13, 1930—LOT 17 BLK 6746 on Wilder Ave bet Diamond and Arlington Sts. Louis J Cohn vs Jack Osuma, Vincent P Laguens..\$374.76
 Jan. 13, 1930—LOT 4 BLK 6742 on Wilder Ave bet Diamond and Arlington Sts. Louis J Cohn vs Marle Muller.....\$236.75
 Jan. 13, 1930—LOT 7 BLK 6742 on Wilder Ave bet Diamond and Arlington Sts. Louis J Cohn vs Bartholomew J Dennehy.....\$340.73
 Jan. 10, 1930—NW GRANDVIEW Ave 176-3/4 SW Morgan Alley SW 24-10 1/2 N 77° 45' W 165 NE 25-3 SE 161-6 1/2. P J Kelly vs J B Hensel.....\$95
 Jan. 11, 1930—SW MORGAN ALLEY SW 24-10 1/2 N 77° 45' W 165 NE 25-3 SE 161-6 1/2. P J Kelly vs J B Hensel.....\$95

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
 Jan. 10, 1930—NW PACIFIC & Salmon W 40 x N 77-6. Thomas Skelly George Campbell, Karl Hassell as Suraat Iron Works, Ginsberg Tile Co, Chester Schultz, T P Hogan Co, Jack Johnson, Louis J Glickenberg as San Francisco Terrazzo Asen, S Mariani & Sons, John Casaretto, C R Holland, W P Fuller Co, Francis Stephens, The Tozer Co to Condit & Maxam.....
 Jan. 9, 1930—N FARALLONE 390 E Orizaba E 25 x N 125 ptn lot 8 blk L Railroad Hd Assn. Harry H Roberts, Bacigalupi & Dagneau to A W Higgins trest F C Wolpert.....
 Jan. 9, 1930—S HAYES and E Polk E alg Hayes to Market St SW alg Market to Polk N alg Polk to beg. W P Fuller & Co to MacDonald & Kahn, Inc, Capital Co and Wm Fox and Fox Theatre Corp.....
 Jan. 8, 1930—NW MCALLISTER & Parker Ave N 102-3 1/2 E 31-6 th 101-2 E 31-6. E A Cornely, Inc to W G Rice.....

BUILDING PERMITS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
24	Krowels	Hooper	4000
25	Radson	Fox	5500
26	Bailey	Owner	3500
27	Matheyer	Owner	4000
28	Matheyer	Owner	4000
29	Schaal	Owner	8000
30	Pederson	Owner	3500
31	Vezev	Owner	5000
32	Whalen	Williamson	4900
33	Hufschmidt	Dyer	4000
34	Hatch	Tonry	1450
35	Malley	Owner	8000
36	Russell	Golden	1500
37	Union	Owner	2500
38	Mehrtens	Owner	4500
39	Chambers	Peters	2400
40	Gomes	Nylander	3750
41	City of Oakland	Jacobs	65440
42	Swan	Better	1000
43	Howard	Owner	3000
44	Russell	Read	3150

RESIDENCE

(24) 1749 MARIN AVE., Berkeley; 1-story 6-room 1-family frame residence.
 Owner—Knowels & Nichols, 2118 Shattuck Ave., Berkeley.
 Architect—None.
 Contractor—W. H. Hooper, 732 Cragmont Ave., Berkeley. \$4000

STORE

(25) 1710 UNIVERSITY AVE., Berkeley; one-story one-room class C store.
 Owner—Radson & Straus, Berkeley.
 Architect—None.
 Contractor—Fox Bros., 1484 University Ave., Berkeley. \$5500

DWELLING

(26) E PATTERSON AVE. 100 N Wisconsin, Oakland; one-story 5-room dwelling.
 Owner and Builder—A. L. Bailey, 4232 Hopkins St., Oakland.
 Architect—None. \$3500

DWELLING

(27) S NEY AVE. 100 W 75th Ave., Oakland; one-story 6-room dwelling.
 Owner and Builder—L. B. Matheyer, 3178 Brookdale Ave., Oakland.
 Architect—None. \$4000

DWELLING

(28) S NEY AVE. 140 W 75th Ave., Oakland; one-story 4-room dwelling.
 Owner and Builder—L. B. Matheyer, 3178 Brookdale Ave., Oakland.
 Architect—None. \$4000

RESIDENCE

(29) 858 EUCLID AVE., Berkeley; 3-story 10-room frame and stucco residence.
 Owner and Builder—J. A. Schaal, 931 35th St., Oakland.
 Architect—W. E. Brown, 3605 Mangels Ave., Oakland. \$8000

RESIDENCE

(30) 31 MARYLAND AVE., Berkeley; one-story 5-room 1-family frame residence.
 Owner and Builder—T. Pederson, 2145 Grant St., Berkeley.
 Architect—None. \$3500

OFFICES

(31) 3220 SACRAMENTO ST., Berkeley; two-story frame office building.
 Owner and Builder—Chas. D. Vezey & Sons, 354 Hobart St., Oakland.
 Architect—None. \$5000

RESIDENCE

(32) 2316 WEBSTER ST., Berkeley; one-story 5-room 1-family frame residence.
 Owner—J. F. Whalen, 324 Warrick St., Oakland.
 Architect—W. W. Dixon, 1844 5th Ave., Oakland.
 Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland. \$4000

SERVICE STATION

(33) SW COR. AILEEN & SHATTUCK AVE., Oakland; one-story steel service station.
 Owner—Walter Hufschmidt, Federal Bldg., Oakland.
 Architect—None.
 Contractor—Dyer Construction Company Ray Bldg., Oakland. \$4000

SHED

(34) FOOT OF ALICE ST., Oakland; one-story shed.
 Owner—Hunt, Hatch & Co., 2nd and Franklin Sts.
 Architect—None.
 Contractor—C. Tonry, 1620 Acton St., Berkeley. \$1450

STORE

(35) W LAKESHORE AVE. 62 South Mandara Blvd., Oakland; 1-story brick store building.

Owner and Builder—F. T. Malley, 3788 Lakeshore Ave., Oakland.
 Architect—A. W. Smith, American Bank Bldg., Oakland. \$8,000

ALTERATIONS

(36) 863 ERIE ST., Oakland; alterations.
 Owner—W. J. Russell, 863 Erie Street, Oakland.
 Architect—None.
 Contractor—H. A. Golden, 2657 Ritchie St., Oakland. \$1500

SERVICE STATION

(37) 1950 OXFORD ST., Berkeley; class C service station.
 Owner and Builder—Union Oil Co., Ray Bldg., Oakland.
 Architect—None. \$2500

DWELLING

(38) 1507 SIXTH ST., Alameda; one-story 6-room frame and stucco dwelling.
 Owner and Builder—H. G. Mehrtens, 1536 Webster St., Alameda.
 Plans by Owner. \$4500

DWELLING

(39) 884 42nd ST., Oakland; one-story 4-room dwelling.
 Owner—J. F. Chambers, 727 14th St., Oakland.
 Architect—None.
 Contractor—L. A. Peters, 916 Erie St., Oakland. \$2400

DWELLING & GARAGE

(40) 1900 108th AVE., Oakland; one-story 5-room dwelling and one-story garage.
 Owner—Caesar Gomes, 1907 102nd Ave. dwelling.
 Architect—None.
 Contractor—Nylander Bros., 1610 Excelsior Ave. \$3750

(41) W FIFTH AVE. 100 SE 14th St., Oakland; one-story concrete shop and garage.
 Owner—City of Oakland.
 Architect—D. D. Stone, Great Western Power Bldg., Oakland.
 Contractor—Jacobs and Pattiani, 337 12th St., Oakland. \$65,440

ALTERATIONS

(42) TENTH & WASHINGTON Sts., Oakland; alterations.
 Owner—Sherwood Swar.
 Architect—None.
 Contractor—Better Homes Corp. \$1000

DWELLING & GARAGE

(43) W 87th AVE. 250 N Plymouth St., Oakland; one-story five-room dwelling and garage.
 Owner and Builder—E. C. Howard, 1915 85th Ave., Oakland.
 Architect—None. \$3000

DWELLING & GARAGE

(44) E 98th AVE. 40 S Scott Street, Oakland; one-story 5-room dwelling and garage.
 Owner—C. O. Russell, 1733 Seminary Avenue.
 Architect—None.
 Contractor—Ernest Read, 4834 Foot-hill Blvd., Oakland. \$3150

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San Francisco

BUILDING CONTRACTS

ALAMEDA COUNTY

5 Hufschmidt	Dyer	4000
6 Berkeley	Parker	
7 Pacific	Conyes	
8 Husum	Tranmal	5291
9 Moinz	Warn	3750
10 Wiley	Furlong	20590

SERVICE STATION

(5) SW ALLEN & SHATTUCK AVE. Oakland; general construction on service station and equipment. Owner—Walter Hufschmidt, Federal Bldg., Oakland. Architect—None. Contractor—The Dyer Const. Co., 1924 Broadway, Oakland. Filed Jan. 10, '30. Dated Dec. 20, '29. On completion\$3000 Usual 35 days 1000 TOTAL COST, \$4000 Limit, 30 days. Plans and Specifications filed. Permit applied for.

Contractor's Bond Only—Contract filed previously.
(6) N DURANT AVE. 150 ft. E of Ellsworth St., Berkeley. Owner—Berkeley Women's Club, Inc., Berkeley. Contractor—K. E. Parker Co., 135 So. Park, San Francisco. Filed, Jan. 11, 1930. Bond, \$150,000. Sureties, Hartford Accident & Indemnity Co.

HAULING & DISTRIBUTING PIPE

(7) ALAMEDA COUNTY; hauling & distributing welded steel pipe. Owner—Pacific Gas & Electric Co. Architect—None. Contractor—Robert A. Conyes, 6619 San Pablo Ave., Oakland. Filed Jan. 11, 1930. Dated Jan. 6, 1930. Bet. 1st and 15th of each mo. 90% Usual 35 days Balance COST from 22c to 60c per lin. ft. Bond, \$100,000. Sureties, Union Indemnity Co. Spec. filed.

RESIDENCE

(8) BERKELEY. All work for one-story frame residence. Owner—Britha Husum. Architect—William W. Wurster, 260 California St., San Francisco. Contractor—Enoch Tranmal, 483 Crescent Ave., Oakland. Filed Jan. 15, '30. Dated Jan. 14, '30. Frame completed\$1322.75 1st coat of plaster on 1322.75 When accepted 1322.75 Usual 35 days 1322.75 TOTAL COST, \$5291.00 Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

RESIDENCE

(9) NO. 3457 PIERSON ST., Oakland. All work for five-room frame and stucco residence. Owner—A. and Amelia Moniz, Oakland. Architect—None. Contractor—S. G. and F. E. Warn (as Warn Bros.), 419 E. Merle Court, San Leandro. Filed Jan. 15, '30. Dated Jan. 13, '30. TOTAL COST, Approx. \$3750 Bond, limit, forfeit, plans and specifications, none.

RESIDENCE

(170) NW ESTATES DRIVE AND Inverleigh Terrace, Piedmont. All work for two-story and basement frame and stucco residence and garage. Owner—Martha A. Wiley. Architect—Miller & Varnecke, Financial Center Bldg., Oakland. Contractor—Thos. F. L. Furlong, 460 Jerome St., Oakland. Filed Jan. 15, '30. Dated Jan. 14, '30. Frame up\$5147.50 When plastered 5147.50 When completed 5147.50

Usual 35 days 5147.50 TOTAL COST, \$20,590.00 Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded	Accepted
Jan. 10, 1930—LOT 181, Unit No 2, Avenue Terrace, Oakland. O A Petersen to whom it may concern.....	January 8, 1930
Jan. 10, 1930—LOTS 16 and 17 BLK 5, map No 4 Regents Park, Albany. George Wyatt to whom it may concern.....	January 8, 1930
Jan. 10, 1930—LOTS 14 and 15, Peralta Tract, Oakland. Hazel Atlas Glass Co of California, Ltd to Judson Pacific Co and Larsen & Larsen.....	December 23, 1929
Jan. 9, 1930—LINCOLN AVE & Perkins St. Oakland. West Oakland Home to F C Stolte.....	January 7, 1930
Jan. 8, 1930—FOOT of 16th STREET Oakland. Southern Pacific Company to United Dredging Co.....	December 30, 1929
Jan. 9, 1930—LOT 21 and ptn Lot 22 Blk 27, map No 8 of Regents Park, Albany. W R White to W E Howard.....	January 3, 1930
Jan. 9, 1930—OAKLAND & Berkeley. Southern Pacific Co to Hutchinson Co, Inc.....	December 31, 1929
Jan. 9, 1930—14th ST & 7th ST. Oakland. Southern Pacific Company to Hutchinson Co, Inc.....	Dec. 31, 1929
Jan. 9, 1930—SATHER, Alameda Co. Southern Pacific Co to Hutchinson Co, Inc.....	December 30, 1929
Jan. 8, 1930—4727 MELDON Avenue, Oakland. Wm C Otto to Self.....	December 26, 1929
Jan. 8, 1930—S COLLEGE AVE 1466-22 ft E of L St, Livermore. Mrs Louella Starr to C D Meissner.....	January 7, 1930
Jan. 8, 1930—1211 DERBY ST. Berkeley. Mrs M deline Brocco to E A Correia.....	January 2, 1930
Jan. 10, 1930—NINETEENTH AVE. Oakland. Southern Pacific Co to Hutchinson Co.....	Jan. 6, 1930
Jan. 10, 1930—TWENTY-SECOND AVE., Oakland. Southern Pacific Co to Hutchinson Co.....	Jan. 6, 1930
Jan. 10, 1930—CLIFTON ST. near Broadway, Oakland. Claremont Country Club to F A Kurtz.....	January 4, 1930
Jan. 13, 1930—LOT 129, St James Wood, Piedmont. George Bean to F C Stolte.....	December 1, 1929
Jan. 13, 1930—NW BEGIER AVE 338.06 ft S of Woodland Ave, San Leandro. Massimo Rinetti to W A Netherby.....	January 9, 1930
Jan. 11, 1930—LOT 81 Broadmoor Park, San Leandro. J M and Anna K Olson to whom it may concern.....	Jan. 11, 1930
Jan. 10, 1930—SAN LEANDRO. Southern Pacific Co to Worden & Forsythe.....	Jan. 6, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
Jan. 10, 1930—230-234 E 16th ST. Oakland. Square Deal Paint Co vs Hugh and Jane Doe Richards.....	\$27.05
Jan. 10, 1930—LOTS 119-122-123 BLK 339, Arbor Villa, Oakland. W M Weakley vs Alfred Cords.....	\$310
Jan. 10, 1930—LOTS 121 and 122 BLK 33, Amended Map of Havencourt, Oakland. Matson-Seabrooke Co vs J & Germaine Pestena, G Leyden sen\$238.34	
Jan. 10, 1930—PTN LOT 12 BLK 2 Sub No 1, Adams Pt map, Oakland. W L Dickey Clay Mfg Co vs Edwin I and E Grass, Unit Steel Bldg Company.....	\$97.81

Jan. 10, 1930—PTN LOTS 79 and 80 Blk 9, map No 4 of Regents Park, Albany. Frank Cataline & Luppso vs Alvin Davis, J C Roger.....	\$82
Jan. 10, 1930—PTN LOTS 79 and 80 Blk 9, map No 4 of Regents Park, Albany. Frank Cataline & Luppso vs Geo M Browne, J C Roger.....	\$82
Jan. 8, 1930—809 SAN PABLO AVE, Albany. Wm M Fontynen vs Edmund & Nellie B Sherwood, Tony Esperanza.....	\$83.21
Jan. 8, 1930—LOTS 119, 122, 123 BLK 329 Arbor Villa, Oakland. George Woolf vs Alfred Cords.....	\$867.47
Jan. 11, 1930—LOT 160, Arbor Villa, Oakland. Churchill Tile Co vs Mildred M and Edward I Isakson, C D Knolly and T C Pimm.....	\$572.50
Jan. 11, 1930—LOT 160, Arbor Villa, Oakland. J L Roark vs Chas D and Effie M Knolly.....	\$610
Jan. 13, 1930—LOT 138, Arbor Villa, Oakland. J F O'Brien, \$94.70; Liberty Ornamental Iron & Wire Wks Inc, \$190, vs D J Sueell.....	
Jan. 13, 1930—LOTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 21, 22, 23, 24, 25, 26, 27 and 28 and ptn of Lots 14, 18, 19 and 20 Blk 187 Kellersberger map of Oakland. Atkinson Mill & Mfg Co vs The Twentieth Century Market.....	\$413.55
Jan. 13, 1930—NW PIEDMONT AVE and Haste Sts, Berkeley. Incandescent Supply Co vs F E Hostetter, Leo J Greenwood, Robert J Barr, Greenhood Elec Co.....	\$697.23
Jan. 13, 1930—NW PIEDMONT AVE and Haste St, Berkeley. Hutchinson Co, \$1693.38; Tilden Lumber Co, \$488.94, vs H E Hostetter, J R Barr, Robert J Barr, d b a Barr & Son.....	

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
Jan. 13, 1930—LOT 29 BLK 3, Northbrae, Berkeley. Pacific Hardwood Flooring Co to W J G Dawson, O E Stubbe.....	\$59.95
Jan. 9, 1930—LOT 14 BLK 15, Thouse and Oaks, Berkeley. H C Hunter, \$229.96; Western Door & Sash Co, \$333.08, to Russell H and Frank H Felt.....	
Jan. 9, 1930—LOT 14 BLK 15, Thouse and Oaks, Berkeley. Paul T Swedberg Co to Russell H, Gertrude L and Frank H Felt.....	\$327.70
Jan. 7, 1930—LOT 22 BLK B, Ppty of E B Mastick, Alameda. Alameda Hardwood Floor Co to L and Lena Filippelli, B Gambarini.....	\$226

BUILDING PERMITS

REDWOOD CITY

DWELLING, and garage, frame, \$4-000, 214 Grand St.; owner, Ina B. Fertig; contractor, Cabbage and Lawson.....	
DWELLING, and garage, frame, \$4-000; 1123 Fay St.; owner & builder, R. B. Bowers.....	
STORE, 1-story steel and concrete, \$3,000; 1520 El Camino Real; owner, Davies Auto Repair Company, premises; contractor, Al Davies.....	
DWELLING, and garage, frame, \$4-000; 1123 Fay St.; owner & builder, R. B. Bowers.....	
DWELLING, and garage, frame, 5-rooms and bath, \$2500; 204 Jackson Ave.; owner, S. Morris.....	
DWELLING, and garage, frame 5-rooms and bath, \$2500; 218 Jackson Ave.; owner, S. Morris.....	
DWELLING, and garage, frame 5-rooms and bath, \$2500; 210 Jackson Ave.; owner, S. Morris.....	
DWELLING, frame, \$3000; 327 Jefferson Ave.; owner, Mrs. G. D. Squires, Canada Road, Woodside.....	

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$10-600; 1415 Hamilton Ave.; owner, Howard L. Gray, 1551 El Camino Real, Palo Alto.

APARTMENTS, frame, \$3,000; 618 Webster St.; owner, B. E. Shushman.

STORAGE & Show Room, class C, \$4150; 136 Hamilton Ave.; owner, Pacific Ice Co., premises; contractor, R. W. Follmer, 465 Lytton, Palo Alto.

RESIDENCE, \$3,000; 253 Oxford St.; owner, A. W. Haasch.

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$5000; Lot 43 Blk 58, De Soto Ave.; owner, Neil Donovan, 470 Sanchez St., San Francisco.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Jan. 6, 1930—PART LOT 1-A BLK 3, Burlingame. Anita M Reed to G W Williams Co.....Dec. 31, 1929

Jan. 6, 1930—LOT 292-293-294 & 296, San Mateo City Homestead. San Mateo Grammar School Dist to R C Stickle.....Jan. 6, 1930

Jan. 6, 1930—LOT 45 Sky Londa. Merlyn Watt to Harley C Yates.....Dec. 24, 1929

Jan. 6, 1930—LOTS 1 AND 2 BLK 5, Burlingame Villa Park. John Sorensen to P Grove Pederson.....Jan. 3, 1930

Jan. 7, 1930—MENLO PARK. Wm R McKnight to whom it may concern.....Jan. 3, 1930

Jan. 7, 1930—LOTS 5 AND 6 BLK 8, San Bruno. Harry Ferrell to whom it may concern.....Jan. 6, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Jan. 6, 1930—LOT 12, B. F. Woodside Acres, San Mateo. Paul M P Merner vs Albert Caruso et al.....\$687.48

Jan. 7, 1930—LOT 76, Bay Shore Highway Tract. Alvin V Davis vs J C Rodgers et al.....\$440

Jan. 8, 1930—LOT 77 Bay Shore Highway Tract. J L Todd et al vs J C Rodgers et al.....\$316.50

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Jan. 9, 1930—TRACY Clubhouse, Tracy. Southern Pacific Co to Charles Wiss.....January 7, 1930

BUILDING CONTRACTS

MONTEREY COUNTY

BUILDING
NLY 50 FT. LOTS 101, 102 and 103 Blk H, as per map of King City; all work on 1-story frame implement building.

Owner—H. A. F. Company, King City. Architect—H. B. Douglass, Greenfield, California.

Contractor—Fred McCray, Fremont St. Monterey.

Filed and Dated January 3, 1930.

January 20th, 75% of cost of material and labor.

Feb. 5th, 75% of cost of material.

Feb. 20th, 75% of cost of labor.

Usual 35 days, balance.

TOTAL COST, \$9597.75
Bond, \$10,500. Sureties, The Century Indemnity Co. Plans and Spec. filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Jan. 4, 1930—LOTS 9 and 11 BLK 3, map of Lake View Tract in Lot 4 Rancho Noche Buena. Ralph and Jessie V Parsons to whom it may concern.....January 2, 1930

Jan. 4, 1930—LOT 4 BLK A Severance's Block Book of Monterey. J E Freemar to John Tauffer.....December 31, 1929

Jan. 9, 1930—PART LOTS 9 AND 10 Blk 4, Homestead Addition to Salinas City. Mary Borges to whom it may concern.....Jan. 7, 1930

Jan. 9, 1930—BOUNDED ON N by Pine St, on E by Spence Ave, on E by 13th St, and on W by 15th St., Pacific Grove. Pacific Grove School District to Phillips Heating & Plumbing Co.....Dec. 27, 1929

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Jan. 5, 1930—S ½ LOTS 1, 2 AND 5 Blk 154, East of Center St., Stockton. Gladding-McBean & Co vs D A Dinnie and James Burris (as Dinnie Construction Co) and Francis and John Gardner.....\$190

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Jan. 7, 1930—SAN RAFAEL. George Martin to J J Kemp.....Dec. 28, 1929

LIENS FILED

MARIN COUNTY

Recorded Amount
Jan. 9, 1930—TIBURON. Dolan Bros Lumber Co vs Manuel Bishop and Wife and Harry Kidd.....\$184.25

Jan. 9, 1930—MILL VALLEY. F H Sands vs C A Janes et al.....\$79

Jan. 9, 1930—MILL VALLEY. Dolan Bros Lumber Co vs Dr. C A Janes and Harry Kidd.....\$246.17

BUILDING PERMITS

STOCKTON

REMODEL store, \$3000; 436 E Main St.; owner, W. F. Kuhr, 1701 N Pershing, Stockton; contractor, J. F. Shepherd, 1st National Bank Bldg., Stockton.

BUILDING PERMITS

SACRAMENTO

REPAIRS, general, \$2800; 1310 ½ 17th St.; owner, Bertha Thompson, premises; contractor, G. L. King.

RESIDENCE, six-room, \$3000; 2801 Marshall Way; owner, Wm. Davis, 2817 Marshall Way, Sacramento.

REPAIRS, general, \$17,000; 726-28 K St.; owner, Zukor's, Inc., premises; contractor, George Hudnutt, 1915 S St., Sacramento.

RESIDENCE, six-room, \$4500; 1180 Marlar Way; owner, Land Drive Terrace, 819 J St., Sacramento.

SERVICE Station and store, \$9,000; 3030 H Street; owner, Paul From, 2630 L St., Sacramento.

GENERAL repairs, \$1000; No. 3001 J St., Sacramento; owner, Ah Chih % Hickman Coleman Co.; contractor, C. K. Glover.

RESIDENCE, 6-room, \$4000; No. 320 36th St., Sacramento; owner, W. T. Martin, 3541 Curtis Park Drive, Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Jan. 8, 1930—BEN ALL. Southern Pacific Co to whom it may concern.....Jan. 6, 1930

Jan. 9, 1930—LOT 31, Parkside. John H Obermuller to whom it may concern.....Jan. 4, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Jan. 9, 1930—LOT 1214, Elmhurst. Valley Brick Co vs Eugene R Lancaster and wife.....\$35.96

Jan. 9, 1930—LOT 1214, Elmhurst, known as No. 5017 T St., Sacramento. Dolan Bldg Material Co vs E R and Helen M Lancaster.....\$424.59

Jan. 9, 1930—LOT 1214 Elmhurst. C H Krebs & Co, Inc vs Eugene R Lancaster and wife.....\$29.14

BUILDING PERMITS

FRESNO

SERVICE Station, \$2765; 605 Blackstone Ave.; owner, Muggar Avakian, 1445 White, Fresno; contractor, P. A. C. Williams, 630 Harvard, Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Jan. 10, 1930—LOTS 17 AND 18 Blk 20 W Park Terrace, Fresno. Jennie A Hushaw to Clyde Millhollen.....Dec. 20, 1929

Jan. 11, 1930—LOTS 22 AND 23, Bloomington Addition No. 3, Fresno. Guy L Butler to whom it may concern.....Jan. 10, 1930

Jan. 11, 1930—LOTS 37 AND 38 BLK 12, College Addn, Fresno. M and Davey Samuelian to M Manoogian.....January 4, 1930

Jan. 7, 1930—LOTS 13 AND 14 BLK 3, Pinkham Terrace, Fresno. Esther Sharp to whom it may concern.....January 6, 1930

LIENS FILED

FRESNO

Recorded Amount
Jan. 8, 1930—SECS 25, 26, 35, 36 12-13 Fresno. Hayward Lumber & Investment Co vs I R Stevens.....\$867

Jan. 8, 1930—17.96 ACRES in Sec. 15, 12-14, Fresno. Hayward Lumber & Invest. Co vs.....\$55

Jan. 8, 1930—E ½ OF SEC. 33, 13-14, Fresno. Hayward Lumber & Investment Co vs Wm T Maupin.....\$217

Jan. 8, 1930—21.91 ACRES in Sec. 5, 11-13, Fresno. Hayward Lumber & Investment Co vs H H Willis.....\$42

Jan. 8, 1930—SECS. 3, 4, 11-13; Secs. 33, 34 10-12, Fresno. Hayward Lumber & Investment Co vs A P Zanni.....\$73

Jan. 10, 1930—LOTS 37 AND 38 BLK 6, Altamont Addition, Fresno. Malsler Bros Lumber Co vs Mary E Green.....\$286

Jan. 11, 1930—LOT 22, W Dean Park, Fresno. Routt Lumber Co Inc vs G P and S P Stephens.....\$92

OFFICIAL PROPOSALS

NOTICE TO CONTRACTORS

General Work

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, February 11, 1930, thereafter or said day to be publicly opened and read for the erection and completion of the General Work for the Additional Wings, San Francisco State Building, San Francisco, California, in accordance with plans and specifications therefor.

The addition consists of two wings of six stories and basement, steel frame, concrete floors and court walls, granite and brick walls on street elevations, and two basement and one story reinforced concrete connecting wings; composition roof for all work. No interior partitions above basement. Plaster finish on metal furring thru-out above basement floor.

The floor area is approximately 45,500 sq. ft.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications and proposal forms may be secured by licensed contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE

Geo. B. McDougall,

State Architect.

B. B. MEEK,

Director of Public Works.

NOTICE TO CONTRACTORS

Mechanical Work

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to

2 o'clock P. M., Tuesday, February 11, 1930, thereafter or said day to be publicly opened and read, for the installation and completion of the Mechanical Work for the Additional Wings, San Francisco State Building, San Francisco, California, in accordance with plans and specifications therefor.

Mechanical Work includes Plumbing, Heating, and Electrical Work. Separate bids will be received for "Electrical Work" and for "Plumbing" and "Heating Work." Combined bids will also be received covering all three branches of the work.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications and proposal forms may be secured by licensed contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" ac-

companying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE

Geo. B. McDougall,

State Architect.

B. B. MEEK,

Director of Public Works.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

In accordance with the provisions of Chapter 644, Statutes of 1929, prospective bidders on State highway work, before being furnished with plans and specifications, will be required to file a statement of their experience and financial condition.

Prospective bidders are requested to file their statements, or to supplement previous statements, for qualifying to bid on a job at least 14 days before they desire to take out plans and specifications, in order to allow sufficient time to review and pass on the statement or supplemental data.

No plans and specifications will be furnished to prospective bidders until their statement of experience and financial condition has been examined and approved.

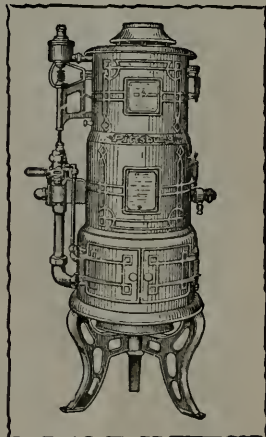
DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

C. H. PURCELL,

State Highway Engineer.

Dated: January 15, 1930.



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BUILDING *and* ENGINEERING NEWS

Publication Office
847 Mission Street

SAN FRANCISCO, CALIF., JANUARY 25, 1930

Thirtieth Year, No. 4
Published Every Saturday

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., JANUARY 25, 1930

Thirtieth Year, No. 4

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

A. I. A. CHAIRMAN "RAZZES" AMERICAN ARCHITECTURE

Chas. E. Cheney, chairman of the Committee on City and Regional Planning of the American Institute of Architects, is not very complimentary to the architects of America. In a recent statement he said:

"America must build better cities. We are a rich nation but a tawdry one in appearance. Our station in civilization demands and requires a better dress. Our progress in education and culture insists upon a better environmental condition for our children and our children's children.

"Our cities, their architecture and planning are the chief measure of our civilization. Despite the falling off in building, during the past year something over four billion dollars in new structures was expended in cities and towns of this country. Yet it is estimated roughly that three billion dollars' worth of these structures were so ugly, so badly planned, so inappropriately located or on such narrow or inconvenient streets as to have been a liability instead of an asset.

"Building inspectors tell us that the number of plans which came to them designed by competent architects or designers were still approximately only about ten to fifteen per cent of the total number of new buildings erected, and that the proportion of good designs does not seem to be materially increasing.

"As this architecture that we leave behind us is what future generations will judge us by, America must act to ensure that in the future, at least, no more such ugliness, ugliness, or lack of color shall be tolerated in new buildings."

FRESNO WILL REVISE ITS ELECTRICAL ORDINANCE

Minor changes in Fresno's electrical ordinance have been approved by journeymen electricians and local building contractors and will be incorporated in amendments to the present ordinance introduced in the city council by A. M. Jensen, city commissioner of public works.

The amendments will include a new national electrical workers' code, adopted every two years by the National Board of Fire Underwriters. Another slight change provides a basis for minimum watt capacities for electrical circuits for different conditions.

The amendments also will provide for a plant electrician for packing houses and other industrial plants, such employees to be journeyman electricians and their work limited to electrical maintenance only.

Chief among the changes is a provision laying down rules as to the alteration or addition to existing electrical wiring, the present ordinance containing no specifications on this type of work.

BUILDINGS LAST YEAR HIGHER TYPE THAN IN 1923

The United States spent more heavily for building in 1929 than in 1923, when the amount of new space provided is taken into account.

The average 1929 outlay per square foot of floor area constructed was \$5.73, it is indicated by the newest study completed by the research department of Greenebaum Sons Investment Company. The preceding year approximately \$5.57 was invested for each unit of new space built. Since labor and material costs varied comparatively little as between the two years, the conclusions seem justified that the building done in 1929 was on the whole of a somewhat higher type than in 1923.

The unit price paid in the 12 months just closed was exceeded in only two recent years, 1927 and 1926. This is shown by the table which follows, which gives the year and the price per square foot of floor area:

1923	\$5.73
1928	5.57
1927	5.99
1926	5.97
1925	5.55
1924	5.32
1923	4.90
1922	4.81
1921	4.84
1920	4.81
1919	4.59

These amounts are averages, covering all types of buildings. They include only the cost of the structures. Prices of building sites were not taken into account in computing the averages.

\$40,000,000 STEEL PLANT IS PROPOSED

The National Steel Corporation has purchased a 1000-acre tract of land on the shore of Lake Michigan east of Gary, Ill., and will establish a steel mill representing an investment of between \$40,000,000 and \$50,000,000 within the next three years. The National Steel Corporation is a holding company formed recently through the consolidation of the Weirton Steel Company, Great Lakes Steel Corp. and subsidiaries of the M. A. Hanna Company of Cleveland.

JUTE TWINE INSTITUTE HAS ADOPTED CODE OF ETHICS

Members of the Jute Twine Institute, New York City, comprising manufacturers of 80 per cent or more of all jute twine manufactured in the United States, recently have adopted a code of ethics, interpreting the Clayton Act and the Federal Trade Commission Act. A feature of the Jute Twine Institute's plan is an unfair competitor bureau, under the charge of the institute's legal counsel, which will investigate all complaints charging unfair methods of competition on the part of anyone in the industry, whether a member or a non-member of the institute.

CREDITORS FARE WORSE IN 1929 BANKRUPTCIES

General creditors lost about \$30,000,000 more through bankruptcies last year than during the previous fiscal year, and got back less on each dollar of their claims, according to an analysis of the Attorney General's report published in the current number of Credit Monthly magazine.

The analysis, prepared by the research department of the National Association of Credit Men, throws light particularly upon the increasing share of bankruptcy losses born by unsecured creditors. This group, in the case of commercial failures, includes mainly manufacturers, wholesalers and jobbers.

During the fiscal year ending June 30, 1929, unsecured creditors lost \$610,804,811 through bankruptcies, while their losses during the previous year were \$580,950,615. During the last fiscal year they received only \$5.53 of every \$100 owed them by bankrupts, while during the previous year they received \$6.21. The decrease from the 1928 figure amounts to 12.3 per cent. Secured creditors fared proportionately better than during the previous year.

Total bad debt losses resulting from the year's 57,039 bankruptcies amounted to \$817,282,301. This figure compares with total bad debt losses of \$762,577,883 due to bankruptcies during the previous fiscal year.

One encouraging fact shown by the analysis is that the cost of administering bankrupt estates declined slightly last year. Court costs, fees and other expenses of administration took 22.42 per cent of assets realized, whereas during the previous fiscal year expenses of administration took 23.76 per cent of assets realized.

This reduction in administration costs, the analysis shows, is partially accounted for by a decrease in attorneys' fees. Last year attorneys got 7.39 per cent of the total amount realized from bankrupt estates, while during the previous fiscal year attorneys received 8.49 per cent of the total.

RICHMOND ADOPTS FIVE-DAY WEEK SCHEDULE

Commencing February 1, building tradesmen in Richmond will operate on the five-day week schedule, with time and one-half for work on Saturdays, Sundays and holidays. It is announced by the Building Trades Council of Contra Costa County.

Contractors interviewed by committees of the council declared they were in favor of the move, delegates of the council declare.

Common laborers employed in the building industry will not be affected by the change, it is said. Under the new plan, building workers will receive their regular daily pay, but will not be paid for Saturday. Time and one-half will be paid for all overtime.

INTER-RELATION OF AIRWAY AND HIGHWAY TRANSPORTATION

By C. H. Purcell State Highway Engineer

Airway transportation in the United States is a development which has occurred since the war. At first the only airway lines were mail lines operated by the federal government. Some attempts were made by private agencies to establish air routes but they failed for two reasons: the uneconomy of available aircraft and the lack of popular air consciousness.

In order that all of us may be more familiar with the subject I will briefly note some facts regarding the present status of airway transportation and the conditions which are responsible for this development.

In 1925 national legislation was effected authorizing the Postmaster General to advertise for bids on contract airmail routes wherever he deemed advisable. As a result, air mail service came into operation during 1926 on a network of air lines and by the latter part of 1927 the Post Office Department had relinquished its main line operation to private contractors.

Prior to this time and for a short time thereafter the government had operated a few trunk air mail routes.

This act terminated direct governmental participation in the operation of commercial air lines and paved the way for inauguration of transcontinental air express and passenger service.

Commencement of commercial airplane transportation in the United States may properly be considered as dating from the spring of 1926, when the first of the contract air mail routes began operations. Subsequently, air mail contracts have been awarded and operations started on more than a score of routes ranging from short-line feeders to coast-to-coast service, including a route from Miami, Florida, to the Panama Canal Zone, and routes into Canada and Mexico. That some of these contracts have proven profitable, thus placing airplane transportation in the United States on a sound basis economically, and therefore at an advantage over the subsidized lines of other nations, is indicative of the value that American business places on time and the premium it is willing to pay for rapid transit. Up to the commencement of contract air mail service in this country the capacity of airplane transportation to earn its way had not been demonstrated. None of the nearly 400 attempts to establish commercial air lines in various parts of the world had revenues from transportation business sufficient to meet operation costs.

The American contract air mail lines were soon to change this. Several of them became definitely profitable after a pioneering period much shorter than is usually required to establish new concerns in older and proven fields of business.

Another important piece of legislation was the Air Commerce Act of 1926 which placed upon the Department of Commerce responsibility for developing and maintaining airways, inspecting and licensing aircraft and pilots, and promoting aids to aerial navigation, including radio communication systems.

Airplane passenger service offering daily accommodations on fixed schedule the year around was unknown in the United States until operators of air mail contract routes began to develop passenger traffic as a source of additional revenue. The first effort in this direction was made in con-

Paper read at annual meeting of the American Association of State Highway Officials held at San Antonio, Texas, November 11 to 14.

nection with the air mail operation between Los Angeles and Salt Lake City in May, 1926, when this line was opened to passenger service. Subsequently, popular interest in commercial travel resulted in the development of extensive de luxe passenger service.

Passage of the transcontinental line from government operation to private hands also paved the way for nationwide air express service. At the inception of contract air mail service many of the operators offered a field-to-field package delivery which was not a very satisfactory accommodation and attracted only limited use. The possibilities of such a service had,



C. H. PURCELL
State Highway Engineer

however, been long under consideration by the express companies, whose officials, in the late summer of 1927, negotiated air express contracts with four of the principal air mail carriers. Early in 1928 this air express service was extended to most of the other air mail lines.

The principal services performed by airway transportation are mail, passenger, and express.

In industry, finance, law, agriculture, merchandising—wherever time is an element of any transaction—air mail may be turned to advantage. The air mail service of the United States now extends to practically every major city of the nation and correspondence desired for points 600 miles or more distant from post office of origin will be advanced several hours in delivery by air mail. The air mail line between Pacific coast points and New York City is only one-third of

the time required for rail mail. With completion of airway lighting, making night flying possible, there will be but one business day lost between Atlantic and Pacific coast points.

An interesting study deals with the concentration of population necessary to support an air mail operation. Circumstances of location, and accessibility through surface transportation agencies will, by influencing the comparative value of airway transportation, affect the air mail volume to be developed in any territory. Generally speaking, excepting where peculiar local conditions intensify the time-saving value, it appears that the air mail volume to be anticipated from any area of less than 300,000 population is insufficient to warrant flying daily both ways over a 200-mile airway. As airplane operation costs are lowered and the time between the airport and the delivery to the post office is reduced the benefits of air mail may be extended to smaller cities and communities nearer to each other.

At the present time, and until the traveling public becomes better acquainted with airway travel, airway passengers are recruited from three classes: Vacationists who want the experience of flight or desire a quick trip to a weekend resort; business men and women who can turn speed to profitable account; and individuals facing personal emergencies which demand their immediate presence at distant points.

As to the first group the question of speed is of small consequence excepting as it extends the range within which a limited vacation period may be spent or permits of more playtime by cutting down the time spent in travel. For instance, under presently available accommodations, a New Yorker desirous of visiting the Pacific coast and having but one week of vacation would find himself in this situation: By rail his entire vacation would be consumed in travel on the fastest trains and he would have to make closest connections in order to complete the journey on time. By airplane only 60 hours would be spent in travel, leaving four and one-half days for recreation. In other words, the airplane has its point of time brought transcontinental travel within range of a vast group of workers who have a minimum of leisure from the necessity of employment.

At one of the recent football games on the Pacific Coast a number of enthusiastic fans came to the game a distance of 400 miles by airplane while others used the airplane to come 35 miles from a nearby city in order to avoid the usual highway traffic congestion. More than 80 airplanes were parked near the stadium.

It is from the second and third groups, however, that under present costs air travel volume can best be developed on a sound basis. From the standpoint of business, in the main, it is conservation of business time that counts. That is, to offer an advantage the airplane schedule must be such as will make available to the user a greater portion of the business day. An airplane schedule which does no offer such saving over available surface transportation systems has little to attract the patronage of business. For instance, business will not pay a higher rate to travel by airplane between two points if its purpose can be equally well or better served by using the cheaper agencies of surface

transportation. With present available equipment travel between two cities twenty-four hours apart by rail can, by airplane, be accomplished in from six to eight hours. Daylight flying, of course, would so cut into the business day as to make this of small value excepting in emergencies; or in cases where such flight would permit making a night connection with other form of transportation, to final destination with consequent saving of an entire business day.

Night passenger service on the air mail lines has been fairly well patronized but widespread development of this must wait improved equipment and refined practice.

Passenger airplane service appealing to business for its patronage must be guided by two restrictions on operation. If it is to serve merely the speeding up of long haul travel it should aim at covering by flight a distance traversed by rail in approximately eighteen to twenty hours at least. That is, from six to eight hours of flying time are required to give any decided general advantage. If the service, however, is between two major cities, the expenditure of so much daylight time in the air plus the ground time between business districts and airports would consume the entire business day and destroy any general advantage. Three hours of flying plus one hour of ground travel appears to be the maximum that can be taken out of a business day. Such an arrangement leaves the air traveler four business hours, or half a day, in return for the extra charge made for airplane passage. It is therefore essential that facilities in such cases provide for night flying so that not more than one-half of the business day will be consumed in the air.

The personal emergency group, of course, have no uniform necessity. From the records of one leading operator it appears that most of this group charter special planes than travel on regularly scheduled operations.

Close observation or recent airplane development leads to the conclusion that the airplane may do or the long haul what the automobile has accomplished within the short haul range. Previously to the advent of the motor vehicle cities as we know them today were economically impossible. The speed and mobility of the automobile has extended metropolitan influences over a much broader range. The result has been that socially and economically city and county have merged. They retain separate identities only in political form and the present tendency is to eliminate the duplication of administrative effort by combining city and county governments.

It is entirely possible that the airplane, coming into general use, will extend this community interest over areas composed of what were heretofore parts of several states. Airplane passenger travel may bring points two hundred miles distant as close to city hall as are present outskirts of any large city, provided airport facilities and highways to the business center are adequate. Similarly, by annihilating distance, airplane carriers may draw the great cities of the nation together.

Express is the third class of commodity opened to American airway transportation. While the volume of this type of service has not yet reached large proportions, it may eventually become a very important function of air transportation.

Starting in 1926, the development of airplane transportation has been very rapid, until in 1929 there are approximately 30,000 miles of airways of which 11,000 miles are lighted for night flying.

There are established at this time in the United States in excess of 425 mu-

nicipal airports, 416 privately owned airports and 700 auxiliary airports. At the present time there are about 500 planes carrying mail in the United States. Forty-six air transport companies are flying 85,000 miles per day, about one-third of this mileage being flown during the night. Approximately 500,000 pounds of mail per month are being carried. Figures on passenger and express transportation for the entire country are not available. However, figures on the business of two of the largest airports on the Pacific coast—the Grand Central Terminal at Los Angeles and the Oakland Terminal at Oakland—may be indicative. At the present time the volume of traffic per month at the Oakland Terminal is approximately 13,300 passengers and 1500 packages of express; at the Grand Central Terminal the monthly traffic is about 5100 passengers and 500 packages of express.

I have very briefly sketched the present scope of airway transportation. In all classes of such transportation the time between start and end of journey, including the item consumed in traveling between the airports and city, is the prime factor.

Were the established airway routes superimposed on a highway map of the United States it would be seen that the airways very closely follow the routes of the main highways. This is only natural when it is considered that, in overcoming topographical barriers, it is as economical for an airplane to seek the low summit in crossing a mountain range as it is for an automobile; that air transportation business lies between centers of population as does highway transportation; that emergency landing fields must be near a highway in order to function to the best advantage; that highways properly marked may serve as navigation aids to the airplane navigator.

Airways are composed of terminal landing fields or airports, intermediate or emergency landing fields to be used by planes desiring to land before they have reached their terminal destination and other navigation facilities, such as lighting, marking, radio communication and meteorological service. Under the present plan the federal government has undertaken the primary care of the emergency landing fields, beacons and meteorological service, leaving the matter of terminal airports to the local authorities and private corporations.

The principal types of transportation to date have been waterway, railway, highway and airway. With respect to the manner in which they were and are being developed, they fall into two classes. Waterway and railway were developed by private corporations at their own expense, with some federal assistance in the case of the railways and canals. These two classes provide at their own expense all of their facilities such as boats, docks, trains, stations, roadbeds, etc. The highways and airways are of a different class. The public furnishes all the facilities except the vehicle in the case of the highway, and the airship and some of the airport terminals in the case of the airway. It appears, therefore, that development of airway transportation is a public matter and requires public or governmental direction and assistance similar to that extended to highway transportation.

To call attention to some specific air transportation problems relating to highways: In order for an airway transportation route to be justified the total elapsed time for transporting a commodity from a point from which the commodity could be shipped by other means to the ultimate destination must be shorter or else there must be a financial saving. At the present time there is no financial sav-

ing, therefore there must be a time saving. An airplane travels twice or two and a half times as fast as any other form of transportation, but there is from thirty minutes to one hour consumed between the airports and the ultimate destination. The saving in time may be accomplished by locating the airport as closely as possible to the center of population by constructing highways between the airports and the centers of population so designed as to reduce the time of reaching the center of population to a minimum, or a combination of both. There is also the opportunity of bringing adjacent communities tributary to an airport terminal by laying out arterial highways leading between them and the airport, thereby enabling them to have the advantage of faster transportation, and permitting the larger communities to be distributing points for airway commerce.

The constructing of the airports present problems very closely related to highway construction, involving as it does location of the port, grading of the site and surfacing of the ground from which the ships take off and on which they alight. The location of the port involves many problems common to highway location adjacent to large centers of population, such as property values, elimination of traffic congestion, etc.

With the development of vacation travel by airway, particularly the weekend travel to mountain lakes and isolated resorts, the future weekend congestion on recreational highways leading to resorts may be relieved, although there will be the necessity of providing suitable landing fields adjacent to such resorts. Such a development might result in postponing or even eliminating the necessity for constructing high type recreational roads leading to such resorts. Transportation of materials and supplies into these regions could be handled by means of a very low type of road.

With all the publicity and propaganda that has been put out favoring aviation, and the efforts of this country to make the people air-minded and to develop aviation, to date there has not been any extensive volume of private flying. At a recent meeting in Los Angeles of the State Chamber of Commerce, it was very clearly brought out by one of the speakers that airplanes are being rapidly manufactured but that the problem of where they have not been answered, and the factories are facing a serious overproduction.

Should private flying become popular and a machine of the flivver type with folding wings which could be run into one's garage be developed, small landing fields would be developed and these planes would have no effect on highway traffic other than to relieve congestion to a slight extent.

Illustrating the need for emergency landing fields for planes, there have been several instances in California where aviators were forced to land on the highway, one of these resulting in a wreck involving an automobile and a plane.

As indicating the trend of increase in flying compared with motoring, it is only necessary to compare the stage of improvement of the airplane at the close of the war and the number of private individuals using planes eleven years after the war with the progress and the increase in the volume of motoring during the same period.

The volume of traffic developed to date by airway transportation is not sufficient to make a very satisfactory determination of its effect on congestion of the highways leading to and from airports. There is no indication at this time that air transportation will not be a high-class transportation, supplemental to and with practically no effect upon the volume of highway transportation.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

San Francisco Board of Supervisors contemplates a bond issue for \$1,000,000 to finance completion of the civic center project. The bonds, if voted, would provide funds to extend Leavenworth street from McAllister to Fulton, the opening of Fulton street for its entire width to Market street, and the construction of a facade on the south side of Fulton street back of the Pantages Theatre Building.

Reno, Nevada, city council is considering adoption of the Uniform Building Code as prepared by the Pacific Coast Building Officials Conference. Heretofore, private building construction was under the supervision of the city engineer's office.

The supervisors of San Diego county have decided to require contractors on all future work for the county to agree not to use any alien labor. Action was precipitated by complaint that the contractor on a road job was employing only Mexicans, none of whom were citizens of the U. S.

A resolution favoring the restriction of the height of buildings to a maximum of 150 feet in the county of Los Angeles and all cities of the county was adopted by the Southern California Chapter of the American Institute of Architects at its regular monthly meeting held January 14.

According to newspaper dispatches from Philadelphia, General Refractories has acquired all of the refractories of Evans & Howard Fire Brick Company of St. Louis. The purchase includes not only plants and business, but also important clay banks in Missouri and Georgia. This gives General a total of 18 plants with a capacity of almost 1,200,000 brick a day and places it in a position to serve consumers throughout the country.

Councilman Virgil A. Martin is the author of the following resolution recently adopted by the Los Angeles city council: "Resolved, That the city engineer make a study of the available deposits of rock, gravel and sand in or close to the city of Los Angeles; also high-grade lime deposits suitable for the manufacture of cement, with the thought in view of establishing municipally owned rock, sand, gravel and cement plants. The city engineer to report his findings to the city council."

New construction costing between \$13,000,000 and \$15,000,000 will be undertaken during 1930 by the Great Western Power Company and the San Joaquin Light & Power Corporation. The total budget for the two companies will amount to \$21,000,000 for 1930, and \$3,000,000 more will be added if construction of a new project is undertaken. It was stated that while the detailed budget will not be obtained for about 30 days, it is well understood that \$13,000,000 is to be provided for new construction and another \$4,000,000 will be spent in the San Joaquin Valley for construction. Of the amount to be spent in the latter district, \$3,500,000 is for a projected steam generating power plant and \$330,000 for the new hydro plant at Merced Falls.

Definite progress is reported in the efforts to eliminate price cutting and bid peddling amongst Boston contractors. The advisory council of the Boston Building Congress appointed three architects and three sub-contractors to consult with the price cutting committee of the Building Trades Employers Association of that city. Through the efforts of these joint committees a draft of an agreement was submitted at the meeting of the advisory council of the congress. A form of agreement tentatively drafted by the price cutting committee of the Building Trades Employers Association is now being considered at meetings of various branches of the construction industry.

Returning from a meeting of the U. S. Bureau of Plant Industry, Geo. A. Root of the California State Department of Agriculture, announces every effort will be made by the state to keep out the white pine blister rust. The tree disease so far has not made its appearance in California though it exists in other western states. California has extensive white pine forests, extending from the Oregon line to Kern County, which would be jeopardized commercially by entrance of the pest.

Upon invitation a representative of the Division of Simplified Practice, U. S. Department of Commerce, recently met with the Board of Directors of the American Face Brick Association, during their annual convention at Edgewater Park, Miss., and presented to that group the history of the project on masonry opening sizes. The directors decided to appoint a committee to go into the matter of a possible change in the standard size of face brick in case such a step is essential to the success of the project. The conference appreciated the fact, that while the cost of such a change might be considerable, the savings effected through better masonry-openings would more than offset any increased costs.

Sebastopol, Calif., city trustees have adopted an ordinance providing for enforcement of the "National Electric Code" for electric wiring and apparatus, as recommended by the National Fire Protection Association, American Standard, July 19, 1929, by American Standards Association, effective January 1, 1930."

R. F. Arndt of the City Iron Works has been elected president of the Portland (Oregon) Builders' Exchange. Other officers are: vice-president, Glen Hord, recording secretary, V. H. Dent; treasurer, Victor Shearer; secretary, Helen Bartlett.

Bids will be considered February 14 by the Long Beach city council to erect a steel frame and reinforced concrete municipal auditorium, covering an area of 400 by 185 feet, seating 3,500 persons and costing in the neighborhood of \$1,400,000. Bids are being taken on a general contract with separate bids for plumbing, electric work, heating and ventilating.

Industrial & Financial REVIEW

By WILLIAM McMAHON, Pres.

William McMahon's Market Digest

There is a universal feeling among economists that 1930 will be as good for business as 1929, if not better. The vast amount of public improvements planned will give employment to labor, and manufacturing plants and public utility companies have ambitious programs of expansion.

Trade should be especially good, particularly among the chain stores. In fact, investors would do well to look carefully into the chain store units for opportunities. Whether times are good, bad or indifferent, the chain stores, dealing in the necessities of life, are certain to flourish.

In the year just closed, chain store companies increased their business about 13 per cent and the total public financing for the year amounted to approximately \$77,000,000, or less than half of that done in 1928. The growth of the chains in 1929 was accomplished almost entirely from earnings.

It would be playing more safe if securities in chains dealing in commodities other than necessities, were to be passed up. Also further expansion must be taken into account. There does seem to be almost enough chain grocery stores to supply a normal need, and chain drug stores seem to be bobbing up everywhere. As for the five-and-tens, it would be difficult to find sites for many more. Tobacco stores are overdone and this was the only chain that did not show progress in 1929.

In the last few years clothing chains have been forging ahead fast. Ready made clothing is a necessity and this sort of merchandise is even now selling too high. There is about 400 per cent more room for clothing chains further development and expansion than for any other chain known to merchandising, and net profits in sales of clothing run 90 per cent above those of grocery chains.

A good guide to go by in selecting a chain store stock for an investment is when the company excels other chain companies in market price times earnings, in book value, in ratio of assets to liabilities, in investment yield and in margin of earnings over dividends.

JOSEPH GEIGER OF STOCKTON, LONG ILL, PASSES

Joseph Geiger, president of the Geiger Iron Works of Stockton, and for many years a civic and industrial leader of that city, died January 14, following an illness of several months.

Geiger was born in Wisconsin April 27, 1874, going in 1902 to Stockton where, in 1904, he founded the Geiger Iron Works. Later he developed this into one of Stockton's most successful industries.

In addition to the Geiger Iron Works, Geiger was a sponsor of the Seller Iron Works, another promising Stockton industry, and played an important part in founding the Bellota Walnut Groves near Bellota, one of the early moves that has given San Joaquin country an important place in the walnut industry.

A leader in the Stockton Merchants, Manufacturers and Employers' Association, Geiger served as president in 1918, 1919 and 1920, and as a director from 1915 to 1927.

ALONG THE LINE

Whether he realizes it or not the engineer requires a considerable knowledge of salesmanship if he expects to be successful. Chas. S. James, San Francisco sales engineer, told members of the San Jose Engineers' Club at a recent meeting.

James M. Glynn, assistant city engineer since 1913, has been named city engineer of Reno, Nevada, succeeding the late Harry C. Chism. Mr. Glynn has been a resident of Reno since 1905 going to that city from Leadville, Colo. Except for twenty-six months, when he was in the army during the World War, Mr. Glynn has been continuously employed in the city engineer's office at Reno.

W. G. Frost, formerly connected with the staff of George A. Kneese, county surveyor of San Mateo County, has been appointed an assistant to the engineering staff of the city of San Mateo. The appointment was made by City Manager E. P. Wilsey.

Karl L. Tretten, civil engineer of Northern Sacramento, died in that city June 14. Mr. Tretten was 43 years of age and a native of California, residing in this state all his life.

C. E. Plummer has been made superintendent of power distribution and L. H. Parker is now assistant engineer of the Turlock Irrigation District, following the resignation of R. W. Shoemaker, for several years electrical superintendent for the district, who has accepted a position in Rio de Janeiro with Electric Bond & Share Company interests.

H. G. Butler, consulting engineer of San Francisco, has taken up his duties as consulting engineer for the Port of Sacramento project between Vallejo and Benicia. He will make an investment survey of the port, which it is estimated will cost \$2,225,000, including a refrigerating plant, grain elevators and wharves.

National Annual Spring Meeting of the American Society of Engineers will be held in Sacramento, April 23 to 26.

William C. Elsemore, 56, general contractor of Eureka, died in that city Jan. 13 after an illness of several months. He was a native of Eureka and a graduate of the Stanford University, where he was a classmate of President Herbert Hoover. Previous to 1922 he was associated in the contracting business with George Jacobs.

Geo. H. Sanford has been appointed city building inspector at Sebastopol, California.

Henry Klein & Co., Inc., Elmhurst, Long Island, N. Y., consolidated with the Improved Office Partition Co. and Drivewood Corp., has issued a portfolio of Drivewood interiors, showing the Drivewood line of mantels and a series of rooms in which Drivewood Period Mouldings have been used in various ways. On the back of each plate the booklet gives the source of inspiration of each room and something of the historical background.

TRADE NOTES

E. B. Bushnell, an authority on concrete form construction, formerly connected with the Portland Cement Association, is now associated with the Masonite Corporation of Chicago. His duties will be to acquaint engineers, builders and contractors with the company's presdwood product, used in concrete form work.

Establishment of a half-dozen plants to handle a wholesale and retail building material business in the San Joaquin Valley was announced with the filing of articles of incorporation of the Valley Materials Company, Ltd., in Sacramento. Headquarters will be in Fresno with branch plants at Visalia, Corcoran, Selma and other towns not yet selected. John A. Van Cleave of Exeter is president of the company. Iredell Jourdan of Selma, vice-president and H. W. Chutter, secretary. Chutter is also connected with the Jourdan Concrete Pipe Company. There will be no direct connection between the new company and the Jourdan Company, Chutter announces. The business will retail and wholesale sand, gravel, brick and other building material.

Alphonse E. Bell Corporation has four harbor sites under consideration at Los Angeles for a cement plant it proposes to erect. According to the plans of the company, the slurry from the quarry in the Santa Monica Mountains will be piped directly to the plant where it will be processed into cement.

John Lucas & Co., Inc., manufacturers of paint and varnish, has been merged with the Sherwin-Williams Co. of Cleveland, according to word from Philadelphia, Pa. The Lucas business will be continued at Philadelphia as a separate and distinct organization, according to announcement by Ernest T. Trigg, president of the Lucas interests.

John R. Lindsay Building Co., Inc., capitalized for \$25,000, has been incorporated in San Francisco. Directors are: John R. Lindsay, Dodd M. McRae and J. D. McRae.

Stockholders of the Citizens Lumber Co., operating yards at Selma and Kingsburg, Calif., at their annual meeting elected Robert Schoeneman of San Francisco, president; J. Milford Johnson of Kingsburg, vice-president; Virgil Schoeneman of Selma, secretary-treasurer and Chas. Schaffer, manager.

Metropolitan Construction Co., specializing in "good homes at low cost," has opened offices at 1825 San Pablo Ave., Oakland. C. J. Mahoney is manager of the company.

Walter P. Hyde Hardware Co. has opened quarters in the Warner Bros. Theatre Building at Fresno. The firm is operated by Walter F. Hyde, former department manager at Kutner's store in Fresno for eighteen years, and Ernest Huntzicker, prominent in the automobile industry in Fresno.

MacArthur Concrete Pile Corp., has opened a branch office in the Holbrook Bldg., San Francisco, with S. Burke Smith in charge.

HERE — THERE —
EVERYWHERE

San Joaquin Building Trades Council has started a movement for the five-day week for all crafts in the construction industry, declaring that "it is not a trade union policy, but an economic necessity."

A. E. Zimmerman was elected president of the Society of Engineers at the annual election held at a meeting in the Palace Hotel, San Francisco, Jan. 14. Other new officers include: H. T. Sutcliffe, vice president; Wm. G. Rawles, treasurer, and as directors Robert C. Clark and John C. Sheusner. D. E. Prenveille is a holdover director. A fourth is to be appointed to fill the vacancy caused by the elevation of Sutcliffe to the vice presidency.

Elmer Kier of Kier Bros. Const. Co., has been elected president of San Diego Chapter, Associated General Contractors, for 1930. R. E. Hazard is vice-president and M. A. Mathias, secretary. New directors are: Henry G. Fenton, M. H. Golden, Fred Jarboe, O. U. Miraciale and E. P. Watson, Jr.

John Cassaretto of San Francisco has been authorized by the Napa city council to dredge the Napa river within the Napa city limits. He proposes to remove 4000 cubic yards of gravel each month for a period of three years.

Three months' credit toward apprenticeship requirement will be granted by the San Jose carpenters' union to anyone completing the course in house carpentry at the San Jose Evening High School vocational department. The course is under the supervision of Ambrose Nichols, city director of vocational education. Two evenings a week of trade extension work in the theory of carpentry will be given by M. L. Blanchfield after February 3.

J. M. Hotchkiss of Hobbs, Wall & Co., San Francisco, was re-elected president of the California Redwood Association at the recent annual meeting. L. C. Hammond of the Hammond Lumber Co., San Francisco, was re-elected president and R. F. Hammett, San Francisco, was re-elected secretary-manager. Reports submitted at the meeting showed that during the first 11 months of 1929 sales of redwood were 12 per cent greater than for the corresponding period in 1928.

Selection of February 3 as the date and Memphis, Tenn., as the place for the trade practice conference of the common brick industry has been announced by the Federal Trade Commission, Washington, D. C. It is expected that manufacturers representing 75 per cent of the total production of the industry will attend to discuss present trade practices with a view to adopting rules for better regulation in the industry.

W. F. Hart was elected president of the National Association on Practical Refrigeration Engineer of California, No. 11, at the annual meeting recently held in Watsonville. Other officers are: A. E. Pellett, vice-president; A. Burnell, secretary and treasurer, and Ed. Torres, sergeant-at-arms. Three year director, Fred Bobby.

ESTIMATING BRICKWORK

Most contractors and builders have their own pet ideas on how to estimate the quantity of brick required for a certain job. In any case, the following rules as published in Permanent Color will be of service:

The dimensions of standard size brick are $8\frac{1}{4} \times 3\frac{3}{4} \times 2\frac{1}{4}$ inches for rough texture brick and $8\frac{1}{4} \times 3\frac{3}{4} \times 2\frac{1}{4}$ inches for smooth brick. While the above are standard sizes, brick may be slightly smaller or slightly larger, depending on the amount of shrinkage due to burning.

The following table is based on standard size brick and contemplates one tier or vertical layer of brick in a wall:

Standard size brick required per square foot for running stretcher bond: Thickness of mortar

Joint, ins. per

1/4	3/4	1/2	3/4	1/2	3/4	1
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No. brick per

sq. ft.

7% 7 1/2 6 3/4 6 1/2 5 3/4 5 1/2

To determine the number of standard size brick required in a building, you first get the number of square feet in the surface of the wall, then deduct all openings larger than 10 square feet; multiply the balance by the number of brick for each square foot according to the above table, taking into consideration the thickness of the mortar joint. The result will be the number of brick required for one vertical layer, for standard running bond work.

As an example, suppose the total wall area is 2,450 square feet, and the openings larger than 10 square feet total 475 square feet, you would have a difference of 1,975 square feet. If you

use the usual one-half inch mortar joint, you will see by the table that $6\frac{1}{2}$ brick per square foot will be required 14,638, or say 15,000 brick. If by $6\frac{1}{2}$, which will show that you will require 14,638, or say 15,000 bricks. It is always well to have a few too many rather than not enough brick on the job, and it is therefore suggested that you add a small percentage to your actual figured requirements for loss, waste, etc.

The term "Stretcher" refers to a brick laid with the side out, while a "Header" refers to a brick laid with end out. Bonds other than "Running" such as "Flemish," "Dutch," etc., are combinations of headers and stretchers. When the brick for headers are broken in half, thus making two headers, no additional brick will be required for other bonds, so that the above example would then hold good regardless of the bond used.

To estimate the number of face brick required for piers or chimneys, use the following table:

Number of bricks required for each lineal foot of piers or chimneys, when one-half inch or five-eighths inch mortar joints are used:

Size of pier, inches

8x3 8x12 12x12 12x16 16x16 20x20

No. of brick

9 14 18 24 28 36

Size chimney

9x9 8x9 9x13 9x13 9x13

flue Sng Dbl Sng Dbl Dbl

No. brick 27 45 22 54 50

Example: If you wish to determine

the number of brick in a pier 16x16

inches square and 8 feet high, multiply

28x8, giving 224 brick required.

SPIRIT AND THEORY OF MECHANICS LIEN LAW

By HARRY C. WESTOVER, Attorney-at-Law

This is the second installment of a series of articles written especially for Building and Engineering News by Mr. Westover on the California Mechanics' Lien Law. Other installments will appear from time to time.

Mr. Westover is a specialist in handling cases on the lien law in the Southern Section of the state and is a member of the Orange County Builders' Exchange.—Editor.

When the first Mechanics Lien Law was enacted in this country it was a new experiment in law and was first enacted by Maryland in order to stimulate the building of the city of Washington. Prior to the enactment of the various Mechanics Lien Laws, there had been in the civil law a maritime lien; that is, parties who worked upon or furnished materials to boats were entitled to liens for the work performed and for the materials furnished.

Since the first enactment of the Mechanics Lien Law there has been an attempt made by the various legislatures of the country to enact Mechanics Lien Laws which would afford protection to laborers and materialmen so as to assure them pay for services rendered or for materials furnished.

Such laws were intended to aid contractors, materialmen, mechanics and laborers to secure the just or contract price for materials furnished, money expended or labor done upon the property on the theory that the materials used in or labor expended on the specific property had enhanced its value and that it was only just and equitable that the materialman or laborer

should pursue the results of his material or labor in order to secure a just compensation; and because the building is the result of such labor and material furnished, it is not just that the owner should succeed to that labor and material without compensating the persons furnishing such labor and materials.

The mechanics lien was meant, according to the statement of our Courts, as "A protection of laborers and materialmen on the theory that laborers and materialmen have an equitable right to follow their labor and materials into the buildings of which they have become a component part and to have a lien upon such buildings because they contain such labor and materials." The Mechanics Lien Laws were passed for the purpose of giving persons of ordinary intelligence the means by which they may secure themselves for their work done and materials furnished.

Although the Mechanics Lien Law was intended to give persons of ordinary intelligence a means of protecting themselves, nevertheless in many instances it takes a person of more than ordinary intelligence to find out what the various lien laws mean and how to protect those who have furnished either labor or material. Lien law work has become a specialized work in the various communities and in nearly every community there will be found someone who gives more than ordinary amount of time to the problems of mechanics, laborers and materialmen.

There are many persons who are in-

terested in the operation of the Lien law and as usual, when an attempt is made to satisfy more than one party or more than one group of parties, the law is not satisfactory to all parties who are effected thereby. All parties who are effected by the various lien laws are not satisfied with the laws as they now exist and attempts are made at every session of the Legislature to change the law in one or more particulars. The various lien laws were written with the idea of fairness to all parties and although in some instances the law may not be fair and equitable, in the majority of cases they who follow the Lien law will discover that they are given adequate protection. There are three classes of people who are interested in the Lien law. First, of course, are the contractors, laborers and materialmen. The second class of people interested in the Mechanics Lien Law are the property owners; and the third class are the owners of mortgages or trust deeds.

It has been difficult to evolve a law that is satisfactory, just and equitable not only to contractors, laborers and materialmen, but also to the property owners and those persons who hold mortgages or trust deeds upon the property which is to be improved. It was a question of getting all of the interested parties together and working out a law which would not be perfect as far as any one special group was concerned, but which would be satisfactory substantially to all three parties. It was hard to satisfy all parties in the enactment of such a law and yet more than a passable job has been done by the Legislature of the State of California in bringing the interest of such various parties to an equitable solution.

The Mechanics Lien Law is as much a part of the building industry as a law of mortgages or trust deeds, the law of conveyances or any tool used by contractors, laborers or materialmen. Contractors, laborers, and materialmen should know how to use the Mechanics Lien Law as well as any other tool that they use in either performing labor or furnishing materials. Property owners should also know the Mechanics Lien Law in order to adequately protect their rights and the same holds true as far as trust deed and mortgage holders are concerned.

Section 3527 of the Civil Code of California provides: "The law helps the vigilant before those who sleep on their rights."

ASPHALT PRODUCERS FORM INSTITUTE

The Asphalt Institute, a new organization whose membership is made up of the producers of asphalt and asphaltic oil responsible for more than ninety per cent of the production east of the Rocky Mountains, succeeded January 1. The new organization will conduct extensive educational and research work pertaining to all the uses of asphalt and asphaltic oils.

The Asphalt Association was composed of producers and manufacturers but it confined its activities entirely to paving asphalts. The various branches of the asphalt paving industry will now be realigned more effectively in appropriate organizations and already the hot-mix paving contractors have formed an association known as The Asphalt Paving Association, of which Mr. Frank J. Slabbe, Engineering Bldg., Chicago, Illinois, is secretary, and Frank O. Hodson, a leading contractor of Gary, Indiana, is president.

Headquarters of the new institute will be maintained at 441 Lexington Ave., New York City.

CLASSIFIED BUILDING PERMITS FOR SAN FRANCISCO YEAR 1929

The following is a classification of building permits issued in San Francisco during the calendar year 1929, as compiled by the Bureau of Building Inspection, Department of Public Works:

Classification	No. of Buildings	Est. Cost	No. of Families
One-family dwellings	1,236	\$ 6,063,211	1,236
Two-family dwellings	94	796,490	188
One- and two-family dwellings with stores and shops	11	104,500	18
Multi-family dwellings (Apartments)			
Class A	6	1,827,000	396
Class B	4	374,800	112
Class C	22	2,448,500	689
Class F	87	2,253,700	879
Hotels	7	1,399,500	
Other non-housekeeping dwellings, clubs, etc., with bedrooms	5	77,326	
Amusement clubs, association buildings without bedrooms	5	26,300	
Churches, Parish halls, Sunday schools	3	279,000	
Factories, including bakeries, laundries, etc.	30	1,023,465	
Public garages	7	94,000	
Private garages	80	81,193	
Gas and service stations	40	108,350	
Institutions, hospitals, etc.	1	700,000	
Office buildings, including banks	10	2,967,600	
Public buildings, city and state	10	2,186,120	
Sheds	26	20,090	
Stables and barns	4	32,700	
Stores, warehouses and other mercantile buildings	98	3,267,550	
Additions, alterations and repairs			
Housekeeping dwellings	2,346	1,419,606	
Non-housekeeping dwellings	76	396,105	
Non-residential buildings	1,280	2,853,164	
Installations, signs and billboards	1,615	255,708	
Totals	7,120	\$33,682,025	3,518

\$682,674,000 FOR CONSTRUCTION IN CALIFORNIA DURING YEAR 1930

Work and not words constitute California's industrial and business program for 1930, Frederick J. Koster, first vice-president of the California State Chamber of Commerce, told members of the Board of Directors of that organization meeting in Los Angeles last Friday.

Answering President Hoover's challenge for construction to assure a continuance of normal business conditions in 1930, the state of California and its counties and municipalities have pledged a public works construction program of \$202,230,000 in 1930, public service corporations have announced a constructive program of \$180,444,000 and the volume of industrial, commercial and residential building included in municipal permit records, is expected to total about \$200,000,000, Koster declared.

"The real task before our organization and other public bodies in California is to make certain that these optimistic prospects materialize, to remove possible obstacles and delays on important projects, and give impetus to latent plans which may have been overlooked in the first survey," Koster said. "If this is done thoroughly, California's public works and building program may exceed the \$682,674,000 total now in prospect for the coming year."

Koster quoted a special study by the Research Department of the California State Chamber of Commerce, which listed most recent estimates of 1930 construction expenditures in California as follows:

Public Works—	
State of California	\$ 42,900,400
County governments	45,451,473
Municipalities	110,468,250
Public Utility Extensions—	
Railroad	\$ 53,000,000
Gas and electric	82,200,000

Telephone	45,244,000
Volume of Building—California Cities	
New factory buildings	\$ 54,000,000
Other commercial and residential	216,000,000
Total	\$682,674,000

"These figures," Koster said, "represent reports from public and private interests, but the California State Chamber of Commerce, and cooperating organizations, are using every means to find out latent projects which may be developed this year."

"The State Chamber of Commerce has mobilized financial, industrial, commercial and agricultural interests of the State in a concentrated and coordinated drive, in order that the maximum amount of sound construction be undertaken at the present time."

In addition to his forecast of activity for 1930, Koster reviewed California manufacturing activity for 1929, which in many industries showed increases of "outstanding proportions."

He said: "In California's manufacturing industries, which contribute 48 per cent of the state's basic income from production, 1929 records of employment indicate an increase of 6.4 per cent in the average number of wage earners, compared with the previous year, bringing the estimated total to 278,559 employees. The increase in industrial payrolls during 1929 is estimated as about 9 per cent, bringing the total up to \$412,300,000. Output and value of products were in proportionate increase."

"Among the larger individual industries, iron and steel, motor vehicles, ship-building, rubber tires, oil refining, printing and paper, clothing, fish canning and dairy products industries have shown increased employment and activity during 1929 as compared to 1928, some of which have been of outstanding proportions."

SCIENTIST TO BE CHOSEN FOR \$10,000 AWARD

The largest single monetary award in America for scientific accomplishment has been created by Popular Science Monthly, which, beginning this autumn, will confer an annual prize of \$10,000, accompanied by a gold medal, upon the American citizen who has been responsible, during the preceding year, for the achievement in science of greatest potential value to the world.

It is explained that the award is intended to heighten the interest of the American people in those conquests of the laboratory and the workshop which benefit the entire community and to focus attention upon the many scientific workers who, without thought of personal profit, toil to better man's control over his physical surroundings.

The Popular Science Institute has enlisted twenty-four leaders in American science to serve as a Committee of Award. The distinguished men comprising the Committee of Award include the following members of the American Society of Mechanical Engineers: Prof. Collins P. Bliss, director, Popular Science Institute; Dr. Harvey N. Davis, president, Stevens Institute of Technology; Charles F. Kettering, president, General Motors Research Corporation, Dr. Arthur D. Little, president, Arthur D. Little, Inc.; Dr. Elmer A. Sperry, chairman, board of directors, Sperry Gyroscope Co.; Dr. Samuel W. Stratton, president, Massachusetts Institute of Technology; Henry Herman Westinghouse, chairman, board of directors, Westinghouse Airbrake Co.; Dr. Albert E. White, director, Department of Engineering Research, University of Michigan; and Orville Wright, co-inventor of the airplane.

A. S. M. E. PETROLEUM DIVISION PROGRAM

The Petroleum Division of the American Society of Mechanical Engineers, organized in 1925, has a registration of 1300 and plans an ambitious program for its annual meeting in Tulsa, Okla. This will be held in October, 1930, at the time of the Petroleum International Exposition.

The division also plans the formation of special committees to study special mechanical engineering problems, as follows: Production, Oil Transportation, Gas Transportation, Refining, Lubrication Engineering, Utilization as a Fuel.

The Petroleum Division intends to co-operate closely with the Technical Divisions of the American Petroleum Institute and other organizations that are interested in the petroleum field.

On February 13, bids will be considered by the California State Highway Commission to construct a reinforced concrete bridge, about 5 1/2 miles north of Yreka, Siskiyou County. It will consist of one 200-ft. open span and three 40-ft. girder approach spans.

Sierra Construction Co. Ltd., recently organized with headquarters at 235 Third Ave., San Mateo, is in the market for catalogs and pamphlets on all types of building materials and equipment. Niles P. Petersen is president of the company, Enri E. Cavas, vice-president, and Wm. J. Harbin, secretary-treasurer. The company will engage in a general contracting business.

BOSTON TO HAVE STUDY OF PREQUALIFICATION

The Boston Building Congress was propounded two questions by Leonard C. Wason, president of the New England Branch of the Associated General Contractors at a meeting where the subject of prequalification of bidders was under discussion. Mr. Wason reviewed the history and economic necessity for prequalification on public work and put the questions as follows: 1. Does the Boston Building Congress approve of the fundamental proposition of the prequalification of bidders? 2. Does the Boston Building Congress approve of a bill introduced into the legislature of Massachusetts to provide for such procedure?

After considerable discussion, the congress voted to appoint a committee to make a further study of the subject and to report a form of recommendation for early action on the part of that body.

URGES U. S. TO BUY BONDS FOR RECLAMATION - DRAINAGE

Acting at the request of the Irrigation Districts' Association of California, Congressman Henry E. Barbour of Fresno, has introduced a bill whereby the federal government would establish a revolving fund of \$100,000,000 to be used as loans to drainage and reclamation districts to pay off indebtedness incurred in constructing such projects.

The fund would be administered by the federal farm loan board.

The bonds of irrigation and irrigation districts would be taken over and would be retired at a rate of interest equivalent to the rate the government would have to pay for the money.

It is estimated that in the San Joaquin Valley alone there are 29 districts with outstanding bonds of \$39,838,537.

Several similar proposals already have been laid before this session of congress.

JOINT HIGHWAY DISTRICT ACT TO FACE COURT TEST

Proposals to amend the state joint highway district act to clear up legal technicalities and to provide more funds for counties in such districts were discussed at a meeting of the legislative committee on the subject with county officials and representatives of interested organizations in Sacramento, Jan. 18.

A friendly suit to test the act in the state supreme court will be filed by Donald Young and Mrs. Mary Schwab, attorneys for joint highway district No. 9, comprising San Francisco, San Mateo and Santa Cruz counties, against San Mateo County, it was announced.

The present law is defective, speakers declared, because there is doubt as to the legality of bonds issued by joint highway districts to finance highway construction.

The committee will hold another meeting in Los Angeles February 14, Chairman F. W. Luttrell announced.

OAKLAND WATERFRONT HIGHWAY SURVEY AUTHORIZED

Ezra W. Decoto, state railroad commissioner, announces the appointment of an engineering committee to study the entire problem of highway access to Oakland's western waterfront, in order that the commission may consider the broader aspects of that problem in connection with the proceedings now pending before it, looking toward a separation of grades between Seventh street and Southern Pacific Company's tracks.

At the hearing in this matter on January 9th, Commissioner Decoto made the suggestion that such a committee be appointed and this suggestion was concurred in by the interested parties. The personnel of this Engineering Committee, as announced by Commissioner Decoto, consists of the following:

Chairman, A. G. Mott, Chief Engineer, California Railroad Commission; George N. Randall, City Engineer, City of Oakland; G. B. Hagardt, Chief Engineer, Port of Oakland; E. G. Wilcox, Oakland Chamber of Commerce; J. P. Dunnegan, Assistant Engineer Southern Pacific Company; C. C. Cottrell, Manager, Good Roads Bureau, California State Automobile Association; H. P. Bell, Chief Engineer, Key System Transit Company.

The committee will proceed, as promptly as possible, to carry out its instructions for a complete survey of the street and highway situation affecting Oakland's western waterfront, in order that the results of the study may be made available at the next hearing on the Seventh street grade separation, set for April 8.

INDIANA CONTRACTORS MUST FILE AFFIDAVIT

Loose credit is being eliminated in Indiana by the enforcement of the contractor's law which provides that a contractor, before receiving final payment on any job, must file an affidavit that all material bills have been paid. Any contractor failing to file such an affidavit is subject not only to a fine, but to imprisonment.

NO COMPENSATION FOR DISOBEDIENT FOREMAN

A recent rule of the Ohio Industrial Commission relates to one of the most frequent causes for fatal accidents to be met with in the construction industry. A foreman for a general contractor has been ordered by superintendents and employers of the firm to advise all employees to keep away from and refrain from using the hoist when it was in motion. Riding the hoist from floor to floor was expressly forbidden and warning signs had been posted by this foreman giving notice of such order. The foreman himself, however, rode the hoist and in doing so met an accident which caused his death.

The Highway Industrial Commission in considering an application for award maintained that the decedent having violated the positive instructions and orders of the employers had departed from his employment by stepping on the hoist to ride and consequently the injury to him was not received in the course of his employment.

Whether such an interpretation of violation of orders can be applied to workmen other than foreman or superintendents is not known. If such a decision were established generally it would have a salutary effect especially as regards riding of hoists and sticking heads into elevator shafts to see where the hoist is. A report from New York City indicates that the only three fatal accidents last month were suffered by employees whose curiosity to see where the hoist was operating coincided with the arrival of the hoist at the point where they put their heads.

Berkeley, Calif., reports the issuance of 301 building permits for homes during the year 1929, the improvements being estimated at \$1,402,600 as compared with 376 homes in 1928, these costing \$1,888,261.

MILLWORK INSTITUTE NAMES FIVE STANDING COMMITTEES

The Millwork Institute of California has appointed five standing committees. The trade promotion committee will have full charge of the trade promotion program and the glass committee will work with the central office in securing information for a special list of stock sizes for California markets.

Members of the committees are: Trade promotion, standards and certification—A. W. Bernhauer, chairman, Fresno Planing Mill Co., Fresno; H. C. Senter, Pacific Door and Sash Co., Los Angeles; Vice—Chairman, Frank Graves Sash, Door & Mill Co., Los Angeles; C. W. Lannom, Vice-Chairman, Lannom Bros. Mfg. Co., Oakland; J. G. Kennedy, Pacific Mfg. Co., San Francisco; H. C. Weyler, Boyd Lumber & Mill Co., Santa Barbara.

Millwork schedules—A. J. Todhunter, chairman, Hammond Lumber Co., Los Angeles; E. A. Nicholson, Pacific Door & Sash Co., Los Angeles; C. E. Morrison, Pacific Mfg. Co., Los Angeles.

Membership, dues and subscriptions—E. J. Nutting, chairman, Herring & Nutting, San Francisco; D. N. Edwards, The Oakland Planing Mill, Inc., Oakland; H. C. Treff, Southern California Hardwood & Mfg. Co., Los Angeles; C. G. Chipchase, Friend and Terry Lumber Co., Sacramento; J. W. Shrimp, Cresmer Mfg. Co., Riverside.

Board meetings—A. W. Bernhauer, chairman, Fresno Planing Mill Co., Fresno; H. C. Senter, Pacific Door and Sash Co., Los Angeles; C. W. Lannom, Lannom Bros. Mfg. Co., Oakland; E. J. Nutting, Herring & Nutting, San Francisco; A. J. Todhunter, Hammond Lumber Co., Los Angeles.

Glass sizes—Ray Garner, chairman, Hammond Lumber Co., Los Angeles; C. E. Senter, Pacific Door and Sash Co., Los Angeles; Wm. Hayward, Pacific Mfg. Co., Santa Clara; 7. A. Boell, The California Door Co., Oakland. The legislative committee will be named later.

ARCHITECT WINS FEE ON ABANDONED JOB

"If the lowest bid is not accepted because it exceeds the amount which the owner proposed to spend and the house is not built, the architect is not entitled to the agreed percentage on such a bid.

"However, the architect is entitled, notwithstanding the abandonment of the project, to the agreed percentage on the maximum cost which the owner intended to spend and within the limits of which he wanted the architect to keep."

These principles were laid down by Judge Leon R. Yankwich of the superior court of Los Angeles county, in awarding a judgment of \$1300 to Marbury Somervell of the architectural firm of Somervell & Putnam against E. B. Rivers, produce merchant, for balance of fee claimed for preparation of plans for a residence in the Botanical Garden tract. Rivers contested the suit, claiming he had already paid the architect \$2000 for plans which he could not use because the lowest bid exceeded the maximum amount he desired to spend by \$12,500 and the residence had not been built.

National advertisers will spend \$20,000,000 more in advertising in 1930 than they did in 1929, according to the Association of Advertisers. A survey of 291 of the country's largest national advertisers indicated that more than one-half were increasing their 1930 appropriations, the percentage of increase varying from 5% to 300%.

Building News Section

APARTMENTS

Sub-Contracts Awarded.
APARTMENTS Cost, \$40,000
BURLINGAME, San Mateo Co., Cal.
El Camino Real bet. Broadway and
Carmelita Avenue.

Two-story frame and stucco apart-
ment building (6 2-room and 4 3-
room apts.; Spanish type.)

Owner and Builder—Harry H. Randles
1029 Paloma Ave., Burlingame.

Will contain all modern conven-
iences, including steam heat and hot
burning plant, refrigeration, oil
water, etc.

Concrete—C. C. Sayre, San Francisco
Lumber and Mill Work—Wisnom
Lumber Co., San Mateo.

Sub-bids are being taken on other
portions of the work.

Plans Being Prepared.
APARTMENTS Cost, \$18,000
CASTROVILLE, Monterey Co., Cal.

Two-story and basement frame and
stucco or brick apartment build-
ing (13 rooms; Spanish type).

Owner—Mrs. Franco.
Architect—W. H. Weeks, Hunter-
Dulin Bldg., San Francisco; 1736
Franklin St., Oakland, and Bank
of Italy Bldg., San Jose.

Will contain large dining room,
lobby, booths and banquet rooms. The
plans will be ready for bids in about
three weeks.

Sub-Figures Being Taken.
APARTMENTS Cost, \$275,000
LOS ANGELES, Cal. No. 521 S.
Manhattan Place.

Eight-story Class A reinforced con-
crete apartments.

Owner and Builder—John C. Dawson,
Fremont and First Sts., Los An-
geles.

Architect—E. Van Den Hoven, Rowan
Bldg., Los Angeles.

January 18, 1930
Sub-Bids Being Taken.
APARTMENTS Cost, \$175,000
SAN FRANCISCO. S Ellis St. E Hyde
Street.

Six-story Class C steel frame and
concrete apartments (50 2-room
apts.)

Owner and Builder—J. G. Kincannon,
1306 Geary St., San Francisco.

Architect—H. C. Baumann, 251 Kear-
ny St., San Francisco.

January 18, 1930
Sub-Bids Being Taken.
APARTMENTS Cost, \$150,000
SAN FRANCISCO. Ellis St. E Hyde
Street.

Six-story Class C steel frame and
concrete apartments (40 2-room
apts.)

Owner and Builder—J. G. Kincannon,
1306 Geary St., San Francisco.

Architect—H. C. Baumann, 251 Kear-
ny St., San Francisco.

Sub-Figures Being Taken.
APARTMENTS Cost, \$290,000
LOS ANGELES, Cal. 933 S Lake St.
Seven-story and basement class A re-
inforced concrete apartments.

Owner—Rex R. Obuchon.
Architect—Arthur Le Brun, Ferguson
Bldg., Los Angeles.

Contractor—Control Engineers, 1111
Architects' Bldg., Los Angeles.

Plans Completed.
APARTMENTS Cost, \$60,000
SAN FRANCISCO. Ninth Ave. near
Lake Street.

Three-story and basement frame and
stucco apartment building (12 4-
room apts.)

Owner and Builder—H. O. Lindeman,
619 27th Ave., San Francisco.

Architect—Irvine & Ebbets, Call Bldg.,
San Francisco.

Sub-bids will be taken shortly.

Contract Awarded.
APARTMENTS Cost, \$600,000
SEATTLE, Wash. Spring Street and
Minor Ave.

Thirteen-story and basement reinf.
concrete apartments (50 4- 5- 6-
room apts., 250 rooms in all).

Owner—Gainsborough Inv. Co.
Architect—Earl W. Morrison, Lloyd
Bldg., Seattle.

Contractor—Howard S. Wright, 2410
First Ave., Seattle.

Face brick exterior trimmed in ter-
ra cotta; 50-car garage in basement.

Sub-Bids Wanted.
APARTMENTS Cost, \$200,000
OAKLAND, Alameda Co., Cal. E.
Twelfth St. near Second Ave.

Seven-story Class C brick apartment
and store building (125 rooms, 3
stores).

Owner & Builder—L. J. Newton, 1130
First Ave., Oakland.

Architect—J. W. Oliver, 3720 Foothill
Blvd., Oakland.

Sub-bids are wanted on brick work,
rough lumber, finish lumber, mill work,
tile, plastering, painting, furnishings
and furniture.

Plans Being Figured.
ALTERATIONS Cost, \$10,000
SAN FRANCISCO. SW Broderick and
O'Farrell Streets.

Alterations and additions to present
3-story frame and stucco apart-
ment building (41 rooms).

Owner—E. W. and A. M. Bender, 2232
O'Farrell St., San Francisco.

Architect—Not Selected.

Work to be done involves plaster-
ing, steam heat, hardwood floor, new
wall beds, new roof, painting, stucco-
ing, plumbing (complete bathroom fix-
tures), tile flooring and tiling.

Sub-Contracts Awarded.
APARTMENTS Cost, \$525,000
OAKLAND, Alameda Co., Cal. Jack-
son St. back of Women's City
Club.

Fourteen-story class A reinforced con-
crete apartment bldg. (145 apts.;
8-room bungalow on roof, and 60-
car garage in basement).

Owners—Mr. and Mrs. Henry G. Hill,
1428 Alice St., Oakland.

Architect—Miller & Varnecke, Finan-
cial Center Bldg., Oakland.

Contractor—Chas. S. Mabrey, 730 1st
National Bank Bldg., Oakland.

Rough and Finish, General, Ornament-
al Iron and Glazing—R. W. Lit-
tlefield, 337 17th St., Oakland.

Tile, Marble and Roofing—Malott and
Peterson, 3221 20th St., San Fran-
cisco.

Plastering—Wm. and A. Gilmour, 666
Mission St., San Francisco.

Painting—Raphael Co., 270 Tehama
St., San Francisco.

Electric Wiring—Matson-Seabrooke
Co., 4115 Broadway, Oakland.

Heating, Plumbing and Sheet Metal—
George Schuster, 4712 Grove St., Oak-
land.

Site is 85x130 ft. Plans call for ten
room, dining room and lounge on the
ground floor.

Plans Being Completed.
APARTMENTS Cost, \$17,000
BURLINGAME, San Mateo Co., Cal.

Two-story reinforced concrete apart-
ment and store building (4 2-room
apts. and 3 stores).

Owner—Carl Torello, 1145 Drake St.,
Burlingame.

Architect—E. L. Norberg, 680 Market
St., San Francisco.

Bids will be taken in one week.

Plans Complete.
APARTMENTS Cost, \$65,000
OAKLAND, Alameda Co., Cal. E 16th
St. and 27th Ave.

Three-story frame and stucco apart-
ments with concrete basement (24
2- and 3-room apts.)

Owner and Builder—Paul H. Haller,
3808 West St., Oakland.

Architect—Ernest Flores, 1301 Frank-
lin St., Oakland.

Sub-bids will be taken shortly.

Plans Being Prepared.
APARTMENTS Cost, \$16,000
SAN JOSE. Santa Clara Co., Cal. 1st
and Oak Sts.

Two-story reinforced concrete and
frame apt. and stores (4 3-room
apts. and 2 stores).

Owner—Mike Sasa, San Jose.

Architect—Chas. McKerzie, Bank of
San Jose Bldg., San Jose.

Plans will be ready for bids in ten
days.

Contract Awarded.
APARTMENTS Cost, \$275,000
LOS ANGELES, Cal. No. 938 S. Lake
Street.

Seven-story reinforced concrete apart-
ment-hotel (200 rooms; 100x120 ft.)

Owner—Rex R. and Linda Obuchon,
50 W. Fifth St., Los Angeles.

Architect—Arthur Le Brun, Ferguson
Bldg., Los Angeles.

Contractor—Control Engineers, Inc.,
Architects Bldg., Los Angeles.

A Demonstration of the SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS
ELECTRIC DRILLS
GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1222 Mission St. Underhill
San Francisco 1207

Completing Plans.

APARTMENTS
LOS ANGELES, Cal. Hobart Bldg.
 and Sixth St.
 Nine-story and basement: Class A reinforced concrete apartments (165 rooms; 68x150 feet).
 Owner—A. H. Kornbloom.
 Architect—A. L. Rouds, Lissner Bldg., Los Angeles.

Plans Completed.

APARTMENTS
LOS ANGELES, Cal. No. 550 S. Kingsley Drive.
 Seven-story Class A steel frame and concrete apartments.
 Owner—Assured Income Properties Corporation.
 Architect and Mgr. of Constr.—Max Maltzman, 420 Union Bank Bldg., Los Angeles.

BONDS

SANTA CRUZ, Santa Cruz Co., Cal.
 —Second election will be held in Laguna School District to vote bonds of \$800 to finance erection of a new school. Previous election, which carried, was declared invalid.

SAN JOSE, Santa Clara Co., Cal.
 —Proceedings have been started in the Pala and Huyck School Districts to form a new elementary school district which proposes to vote bonds of \$37,000 to finance erection of a new elementary school.

ROSEVILLE, Placer Co., Cal.—Second election will be held in Roseville Grammar School District to vote bonds of \$82,000 to finance erection of a new grammar school, preliminary plans for which have been prepared by Architects Davis-Pearce, Builders' Bldg., Stockton.

ALTURAS, Modoc Co., Cal.—Trustees of Alturas Grammar School District extend time for election to vote bonds of \$150,000 for a new grammar school, from January 27 to February 11. Plans for the structure are being prepared by Architect Ralph D. Taylor, Belli Bldg., Alturas.

HAYWARD, Alameda Co., Cal.—February 18 is date set in Hayward School District to vote bonds of \$75,000 to finance erection of a six-classroom addition to the Bret Harte school, a 4-room addition to the Burbank school, new auditorium at John Muir school and minor alterations and repairs to present structures. Jacob Harder, Jr., is clerk of the district.

JAMESTOWN, Tuolumne Co., Cal.
 —Election will be held February 7 in Jamestown School District to vote bonds of \$17,243 to finance erection of a new grammar school to replace the structure recently destroyed by fire.

CHURCHES**Preparing Plans.**

JEWISH TEMPLE
LOS ANGELES, Cal. Folsom and Breed Sts.
 Three-story & basement brick Jewish temple (72x124 feet).
 Owner—Temple Beth Thepheto.
 Architect—Fred Sward, 515 California Reserve Bldg., Los Angeles.

Plans To Be Prepared.

CHURCH
HAYWARD, Alameda Co., Cal.
 One-story frame and stucco church (1st unit).
 Owner—First Christian Church (Rev. J. A. Shoptaugh, Pastor).
 Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Sub-Contracts Awarded.

CATHEDRAL
SAN FRANCISCO. Block bounded by Jones, Taylor, Sacramento and California Streets.
 Completion of Class A cathedral.
 Owner—Grace Cathedral Parish.
 Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
 Contractor—Dinwiddie Constr. Co., Crocker Bldg., San Francisco.
 Plumbing and Heating—C. Petersen, 390 Sixth St., San Francisco.
 Plastering Moulds—Herman Bosch, 449 Fulton St., San Francisco.
 Electric Work—Central Electric Co., 173 Minna St., San Francisco.
 As previously reported, reinforcing steel awarded to Pacific Coast Steel Co., 111 Sutter St., S. F.; structural steel to Judson Pacific Co., 609 Mission St., S. F.

FACTORIES AND WAREHOUSES

MODESTO, Stanislaus Co., Calif.
 —Rebuilding of that portion of the Geller Meat Company's packing plant, recently destroyed by fire with a loss of \$20,000 will be started at once. Some equipment will be salvaged and some new equipment purchased.

FRESNO, Fresno Co., Cal.—Cardiff and Peacock, Inc., Bakersfield, have started erection of an aviation school and airplane sales agency at the Chandler Municipal Airport. Hangar will be 60x125-ft., housing six planes and the school, office and shop department. The cost of the improvements is placed at \$12,000.

FRESNO, Fresno Co., Calif.—Construction will be started at once for the Irrigation Engineering Co. at 251 North H St. on a one-story brick plant, 75 by 100-ft., for the manufacture of pumps and appliances. The company is at present located at 206 North H St. Everett Minard is president of the concern.

Preparing Preliminary Plans.

MFG. BLDGS.
LOS ANGELES, Cal. Hostetter Industrial Tract.
 Two steel frame manufacturing buildings
 Owner—Liquid Carbonic Corp. of Chicago.
 Architect—The Austin Co. of California, 777 W. Washington St., Los Angeles.

SAN JOSE, Santa Clara Co., Cal.—See "Hospitals," this issue. Bids wanted by county supervisors to erect laundry building at county hospital grounds.

Sub-Contracts Awarded.

FACTORY BLDGS.
LIVERMORE, Alameda Co., Cal.
 Four one-story reinforced concrete factory buildings.
 Owner—Coast Mfg. & Supply Co. (T. W. Morris, President).
 Plans by Austin Co. of California.
 Contractor—Austin Co. of California, 1924 Broadway, Oakland.
Reinforcing Steel—Gunn, Carle & Co., 444 Market St., San Francisco.
Form Lumber—E. K. Wood Lumber Co., Frederick and King Sts., Oakland.
 Sub-bids are being taken on other portions of the work.

Plans Complete.
TERMINAL
SAN FRANCISCO. Between Laguna and Webster Sts., from Beach to the waterfront (cover area of 18 acres).
 Reinforced concrete and steel terminal buildings.

Owner—San Francisco Produce Terminal, Ltd., of Nevada, Inc., 405 Montgomery St.
Engineers—Ellison and Russell, Pacific Bldg.

Main unit will comprise a structure five stories in height, of flat slab construction, covering an area of 200 by 412 ft. It will house a complete cold storage plant, administration quarters and general warehouse departments, all under one roof. Two miles of railroad is included. The entire project, when completed, will cover an area of approximately 18 acres. The entire construction program will be of reinforced concrete and steel construction. Plans have been completed with the exception of minor details now being worked out.

FRESNO, Fresno Co., Calif.—D. C. Welch and D. R. McKinley have leased a two-story brick and concrete building through Levy Bros., local realtors, and will remodel and install equipment for a pie bakery.

BAKERSFIELD, Kern Co., Calif.—American Potash Co. operating a plant at Trona on the Mojave desert, contemplates an expenditure of \$5,000,000 in construction and development of deposits.

KETTLEMAN HILLS, Kings Co., Cal.—Standard Gasoline Co., subsidiary of Standard Oil Co. of California, has started construction of its new \$500,000 absorption plant on Section 3-22-17 at Kettleman Hills. Will have 130,000,000 cu. ft. capacity daily when operating at capacity.

Bids Opened.

ADDITIONS
SAN FRANCISCO, Municipal Airport.
 Additions to Hangars Nos. 2, 3 and 4.
 Owner—City and County of San Francisco.
Engineer—City Eng. Dept., City Hall.
General Contract
 Spivock and Spivock.....\$34,200
 H. H. Larsen Co.....34,983
 A. D. Collman.....35,000
 Vogt and Davidson.....35,627
 J. A. Bryant.....37,684
 Clinton-Stephenson Co.....37,782
 J. W. Cobby and Son.....38,000
 Sorenson and Haggmark.....38,932
 Frank J. Reilly.....39,435

Structural Steel Contract Awarded.
WAREHOUSE
OAKLAND, Alameda Co., Cal. Third and Clay Streets.
 Two-story and basement steel and brick warehouse and office building.

Owner—Earl M. Jorgensen Company.
Architect—Eng. Dept. of Owner.
Contractor—Larsen & Larsen, Russ Bldg., San Francisco.
Structural Steel—Moore Drydock Co., Balfour Bldg., San Francisco.
 Other awards will be made shortly.

SANTA PAULA, Ventura Co., Cal.
 —An association of local business men has been formed for the purpose of purchasing and operating the local airport. Six hangars will be erected. Ralph Dickinson is chairman of the organization and Victor Cummings is secretary.

Contract Awarded.

IRON PLANT
LOS ANGELES, Cal. Union Pacific Industrial Tract.
 Structural steel and corrugated iron plant (80x400-ft.; first unit).
Owner—Crane Company.
Architect—Eng. Dept. of Owner.
Contractor—Harvey Nichols, 936 East Slauson St., Los Angeles.

Will contain a five-ton magnetic controlled crane. Additional property near the site has been purchased by the Crane Co. for expansion of the new plant.

VALLEJO, Solano Co., Cal.—H. G. Butler, consulting engineer, Hunter-Dulin Bldg., San Francisco, commissioned to make survey for port of Sacramento project between Vallejo and Benicia, the estimated cost of which is placed at \$2,225,000 and will include refrigeration plant, grain elevators and wharves.

Plans Being Prepared
BUILDING Cost, \$400,000
PASADENA, Los Angeles Co., Calif.
Oak Knoll Ave.
Three-story and basement reinforced concrete grocery bldg. (42,000 sq. ft.)
Owner—Model Grocery Co.
Architect—The Foss Co., 171 S. Los Robles Ave., Pasadena.
Will have accommodations for complete bakery, etc.

Sub-Figures Being Taken.
CREAMERY Cost, \$20,000
OAKLAND, Alameda Co., Cal. Fourteenth and Filbert Streets.
One-story brick and steel creamery (112x125 feet).
Owner—Valley Creamery.
Plans by L. R. McWethy.
Contractor—L. R. McWethy, 337 17th St., Oakland.

Sub-Bids Being Taken.
ALTERATIONS Cost, \$16,000
SAN FRANCISCO. No. 26 Blumhouse Street.
Alterations to present three-story reinforced concrete offices and warehouse.
Owner—Sophie Newman, 1201 California St., San Francisco.
Architect—None.
Contractor—Industrial Constr. Co., 815 Bryant St., San Francisco.

MODESTO, Stanislaus Co., Calif.—Packing plant of Geller Meat Co. on Crows Landing Road, suffered fire loss Jan. 13. The loss is estimated at from \$15,000 to \$35,000, including equipment and stocks.

Plans To Be Prepared.
REFINERY Cost, \$—
TORRANCE, Los Angeles Co., Cal.
Copper refinery.
Owner—United Verde Copper Co. of Clarkdale, Arizona.
Architect—Not Selected.

Contract Awarded.
CLUB BLDG. Contract price, \$287,000
SACRAMENTO, Sacramento Co., Cal.
Ninth and M Sts., facing Capital Square.
Four-story reinforced concrete club building.

Owner—Sutter Club.
Architect—Dean & Dean, California State Life Bldg., Sacramento, and Starke & Flanders, Ochsenr Bldg., Sacramento, Associated.
Contractor—George D. Hudnutt, Inc., 1915 S St., Sacramento.
Construction is to start immediately

Sub-Contracts Awarded.
WAREHOUSE Cost, \$250,000
SAN FRANCISCO. Foot of Twenty-third Street.
One- and two-story steel frame and concrete warehouse (140x220 ft.)
Owner—Western Sugar Refining Co., 2 Pine St.

Plans by Engineering Dept. of Owner Engineer—H. J. Brunner, Sharon Bldg.
Contractor—Barrett & Hilp, 918 Harri-son St.

Roofing—Bender Roofing Co., 18th and Bryant Sts.
Metal Toilet Stalls—Alhathross Steel Equipment Co., 557 Market St.
Steel Sash—Truscon Steel Co., Call Bldg.

Painting—Aristo Painting Co., 473 Bryant St.
Electric Work—Langlals Elec. Co., 472 Clementina St.
Sheet Metal—Fire Protection Products Co., 1101 16th St.
Sprinkler System—Fire Protection Engineering Co., 369 Pine St.
Brick Work—Larsen & Larsen, Russ Bldg.
As previously reported form lumber awarded to Christensen Lumber Co., 5th and Hooper Sts.; excavating to Sibley Grading & Teaming Co., 165 Landers St.; structural steel to Over Bros. Iron Works, 17th and Kansas Sts.; reinforcing steel to Pacific Coast Steel Co., 111 Sutter St.

Owner To Take Figures In Ten Days.
PACKING PLANT Cost, \$20,000
SALINAS, Monterey Co., Cal.
Lettuce packing plant, 60x350 feet.
Owner—Salinas Valley Ice Co., Salinas.
Architect—Butner & Stranahan, Glikharg Bldg., Salinas, and Cory Bldg., Fresno.

GARAGES AND SERVICE STATIONS

Contract Awarded.
GARAGE Cost, \$20,000
REDWOOD CITY, San Mateo Co., Cal.
Webster and Theatre Sts.
One-story reinforced concrete garage (125x125 ft.; Spanish type, steel frame roof).
Owner—Hare, Brewer & Clark, Inc., 529 Ramona St., Palo Alto.
Private plans.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.

Contract Awarded.
GARAGE Cost, \$12,500
SAN MATEO, San Mateo Co., Cal.
One-story reinforced concrete garage with truss ceiling.
Owner—Gus Adolphson, 796 N. Claremont St., San Mateo.
Plans by Russell Coleman, 1404 Broadway, Burlingame.
Contractor—G. W. Williams Co., 1404 Broadway, Burlingame.

GOVERNMENT WORK AND SUPPLIES

FORT McDOWELL, Calif.—Preliminary surveys have been completed by the Constructing Quartermaster, Fort Mason, San Francisco, for a 6-in. pipe line from Tiburon, Marin county to Angel Island and a 6-in. pipe line from Fort Mason to Alcatraz island in connection with a fresh water supply system. The cost is estimated at \$300,000.

SAN FRANCISCO.—Bids will be asked shortly by Constructing Quartermaster, Fort Mason, to furnish and install pumps and motors and repair present water mains. Pumping capacity 100 gals. per min.

VALLEJO, Solano Co., Cal.—Senator Hiram Johnson has submitted three bills providing for appropriations for Mare Island Navy Yard: \$300,000 for new storehouse construction; \$500,000 for a causeway over Mare Island Stralts; \$225,000 for a flying field, hangars and seaplane runway.

SACRAMENTO, Cal.—Until Feb. 4, 11 A. M., bids will be received by U. S. Engineer Office, California Fruit Bldg., 4th and J Sts., Sacramento, for hire of 4-horse teams, drivers, serap-ers, etc., in connection with improvements at east end of Rubke Bend on the Yuba river. It is estimated that 20 4-horse team days work will be required. Further information obtainable from above.

SAN DIEGO, Calif.—Following is a partial list of prospective bidders for extension of buildings at San Diego, under Specification No. 5932, bids for which are being received by Bureau of Yards and Docks, Navy Department, Washington, D. C., to be opened on a date yet to be determined:
Wm. Bayley Co., Springfield, Ohio.
Virginia Bridge and Iron Co., P. O. Drawer 925, Roanoke, Va.
Crane Co., Inc., 1225 Eye St., N. W., Washington.
Meier Bros. Iron Co., 421 S 6th St., St. Louis.
Detroit Steel Products Co., 1017 Fidelity Bldg., Baltimore.

Bids To Be Advertised Shortly.
BUILDING \$150,000 available
SAN FRANCISCO. Presidio; Moraga Ave. E. National Cemetery.
Two-story reinforced concrete ward building, 34x130-ft., tile roof, for Letterman General Hospital.
Owner—United States Government.
Architect—Constructing Quartermaster, Fort Mason.
There will be extensive plumbing, heating and electric wiring improvements.

Specifications Being Written.
PAINTING Cost, \$—
SAN FRANCISCO. Presidio.
Painting interior of Nurses' Dormitory and four wards at Letterman General Hospital.
Owner—United States Government.
Architect—Constructing Quartermaster, Fort Mason.
Bids will be advertised shortly.

Plans Being Figured—Bids Close Feb. 7.
REPAIRS Cost, \$—
SAN FRANCISCO. Presidio; Ft. McDowell.
Repair two docks.
Owner—United States Government.
Architect—Constructing Quartermaster, Fort Mason.

MARE ISLAND, Cal.—Following bids received by Public Works Officer, Mare Island Navy Yard, for gasoline tank, alterations to garage, install new downspouts, alterations and repairs to dormitory and a new water trough at U. S. Naval Radio Station at Point Reyes: L. Joubert, \$695; J. P. Fletcher, S. F., \$744; A. Frederick Anderson, Oakland, \$906; Roth Constr. Co., S. F., \$879; Roy Lind, S. F., \$117; Thollander Constr. Co., S. F., \$1080; L. M. Bruce, S. F., \$3553. Bids held under advisement.

SAN FRANCISCO.—Bids will be advertised shortly for concrete floors for Building No. 62, at Letterman General Hospital, Presidio.

Bids To Be Asked Shortly.
STOREHOUSE Cost, \$—
COCO SOLO, C. Z. at Naval Air Station.
Storehouse and engine overhaul shop.
Owner—U. S. Government.
Architect—Bureau of Yards and Docks Navy Dept., Washington, D. C.

While the date for opening bids has not yet been set, plans for the project are obtainable from the Bureau of Yards and Docks on deposit of \$25, returnable.

SAN FRANCISCO.—Until Jan. 27, 10 A. M., under Schedule No. 928-30-186, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 2900 ft. rubber lined, double jacket fire hose, 10 50-ft. lengths; 400 ft. of 2-in. and 2500 ft. 2½-in. Each length to be completed with cast brass expansion ring couplings with P. C. standard thread. Further information obtainable from above.

Low Bidder.
STATION \$580,000 available.
SEATTLE, Wash. Block 283, Seattle
Tidlands Addition.
Immigration Station and assay office
building.
Owner—United States Government.
Architect—Supervising Architect,
Treasury Dept., Washington, D. C.
Low Bidder—Eivind Anderson, Ta-
coma, Wash.

Bids for this project were opened at
Washington, D. C., January 21. A
complete list of the bids will be pub-
lished in these columns shortly.

SAN FRANCISCO.—Until Jan. 27,
19 A. M., under Schedule No. 928-30-
186, bids will be received by Quar-
termaster Supply Officer, General Depot,
Fort Mason, to furnish and deliver
5,000 gals. ready mixed paint. Spec.
obtainable from above.

STERLING, Colo.—Until Feb. 26, 3
P. M., bids will be received by Super-
vising Architect, Treasury Depart-
ment, Washington, D. C., for con-
struction (except elevator) of U. S.
postoffice and courthouse at Sterling.
Will be approximately 7,200 sq. ft.
ground area; 4-story and basement;
fireproof construction with stone fac-
ing.

LIVERMORE, Alameda Co., Cal.—
Following bids received by U. S. Vet-
erans' Bureau, Arlington Bldg., Wash-
ington, D. C., to erect shade porches
and wind break (Helio Deck, Building
No. 2), guard house and stable and
animal house at U. S. Veterans' Hospi-
tal at Livermore:
Alt. No. 1, deduct for omission of sta-
bles and animal houses.
The Minton Co., Mt. View and Palo
Alto, \$12,050; (1) \$5,800.
A. Frederick Anderson, Oakland \$12-
438; (1) \$5,800.
J. A. Bryant, San Francisco, \$13,920;
(1) \$5,320.
Young & Horstmeier, San Francisco,
\$14,140; (1) \$6,541.
C. A. Bruce & Son, Pleasanton, \$14-
400; (1) \$6,500.
Dyer Const. Co., San Francisco, \$14-
485; (1) \$6,400.
George Swannstrom, Oakland, \$15,211;
\$6,850.
E. K. Nelson, San Francisco, \$15-
375; (1) \$6,521.
Mahony Bros., San Francisco, \$16,949;
(1) —
Bids referred to Washington for
award.

WASHINGTON, D. C.—Bids are be-
ing received by Bureau of Supplies and
Accounts, Navy Department, to fur-
nish and deliver materials and equip-
ment at Navy Yards and Stations,
further information being available
from the Navy Purchasing Officer, 100
Harrison St., San Francisco:

Bids Open Feb. 4

Sch. 2649, Puget Sound, carbon and
high speed twist drills.
Sch. 2648, Puget Sound, 10 portable
electric drills.

Sch. 2642, western yards and New
York harbor, approximately 13,600 lbs.
powdered aluminum.

Sch. 2626, Mare Island, 1500 ft. sub-
marine loop cable.

Sch. 2643, eastern and western
yards; quantity of hide and marine
glue.

Sch. 2647, Mare Island, 5000 lbs.
ceresin wax.

Sch. 2646, Mare Island, 10 electric
heaters and spares.

Sch. 2641, eastern and western
yards, 10,000 label plates.

Sch. 2638, Puget Sound, one engine
lathe.

Sch. 2637, Mare Island, 2 electrically
operated kitchen and cake machines
and spares.

Sch. 2635, Mare Island, 1 boring,

drilling and milling machine, motor
driven.

Bids Open Feb. 11

Sch. 2665, Mare Island, 35,000 lbs.
manganese resinate.

HALLS AND SOCIETY BUILDINGS

Preparing Working Drawings.

CLUB BLDG. Cost, \$2,000,000
SAN FRANCISCO. Post and Mason
Streets.

Twenty-six-story Class A club building
Owner—Olympic Club, Premises.

Architect—John Bakewell; Arthur
Brown, Jr., and John Bauer, As-
sociated, 251 Kearny St., San
Francisco.

Present building on site will be
wrecked. It is expected to start con-
struction in about six months.

Plans Being Figured.

REMODEL Cost, \$5000
SAN JOSE, Santa Clara Co., Cal.

Third Street, between Santa Clara
and St. John Sts.

Remodel present lodge hall.

Owner—Slovenian Hall.

Architect—Wolfe & Higgins, Realty
Bldg., San Jose.

WILLOWS, Glenn Co., Cal.—H. S.
Crocker Co., 565 Market Street, San
Francisco, at \$2,475 awarded contract
by county supervisors to furnish and
install 750 chairs in Willows Memori-
al Hall.

Plans To Be Prepared.

STOKES Cost, \$18,000
KNIGHTS LANDING, Yolo Co., Cal.
Two-story brick and stucco lodge
rooms and stores.

Owner—Masonic Hall Assn., Knights
Landing.

Architect—Not Given.

It is proposed to commence con-
struction about April 1. E. S. Duffy
is president; Gladys E. Evans, Vice-
president, and E. G. Byers, secretary-
treasurer of the hall association.

Plans Completed.

HALL Cost, \$2500
CORRALITOS, Santa Cruz Co., Cal.
One-story 40x80-ft. community assem-
bly hall.

Owner—To be financed by public sub-
scription.

Architect—A. W. Story, Pajaro Valley
Bank Bldg., Watsonville.

Plans To Be Prepared.

LODGE BLDG. Cost, \$125,000
WATERFORD, Stanislaus Co., Cal.
Fireproof building (storerooms, offices,
social hall and lodge rooms).

Owner—W. C. Gordon.

Architect—Not Selected.

MOUNTAIN VIEW, Santa Clara
Co., Cal.—Leon Robert Post, Ameri-
can Legion, through the sale of life
insurance 35-year endowment policies
in denominations ranging from \$200
up, proposes to finance the erection
of a \$30,000 club building within the
next nine months. The structure
will be erected at Franklin and
Church streets with an auditorium,
40 by 70 ft., a banquet room and
canteen on the lower floor and lodge
and club quarters on the upper floor.

Plans To Be Prepared.

COMMUNITY CENTER Cost, \$—
SAN FRANCISCO. Location not se-
lected.

Modern fireproof community center.
Owner—Jewish Community Center,

Sidney M. Ehrman, Chairman, 68
Post St., San Francisco.

Architect—Not Selected.

Proposed building will contain gym-
nasium, swimming pool, handball
courts, auditorium, theatre, club

rooms, lecture hall, game rooms,
lounge rooms and kitchen. A cam-
paign is being planned for April 28th
to May 9th to raise funds to finance
construction. Harold Zellerbach is
chairman of the campaign committee.

HOSPITALS

Plans Being Prepared.

HOSPITAL Cost, \$1,500,000
SEATTLE, Wash. Block bounded by
9th and Terry Aves. and Univer-
sity and Seneca Sts.

Fifteen-story class A hospital.
Owner—Seattle General Hospital (E.
Rex Smith, president of Board of
Directors).

Architect—Schack and Young, Cen-
tral Bldg., Seattle.

Plans provide for four wings, ex-
tending at right angle from a cen-
tral junction and measuring 190x190
ft. Eleven floors, from the third to
the thirteenth, are to be given over
to patients' quarters, the 14th to the
surgery and the 15th to the conva-
lescent rooms with a sun pavilion and
a roof garden.

To Ask Bids Shortly.

ADDITION Cost, \$—
SAN FRANCISCO. 21st and Potrero
Avenue.

Addition to roof ward at San Fran-
cisco Hospital.

Owner—City and County of San Fran-
cisco.

Architect—Bureau of Architecture,
Board of Public Works, City Hall.

Plans To Be Prepared.

HOSPITAL Cost, \$—
SAN BERNARDINO, Cal. Lower
Cajon Pass District, 970 acre tract.

State hospital for insane.

Owner—State of California.

Architect—Geo. B. McDougall, State
Architect, Public Works Bldg.,
Sacramento.

Preparing Working Drawings.

DETENTION HOME Cost, \$30,000
SALINAS, Monterey Co., Cal.
County detention home (accommoda-
tion for 20 children).

Owner—County of Monterey.

Architect—Reed & Corlett, Oakland
Bank Bldg., Oakland.

Plans will be taken in about three
weeks.

SACRAMENTO, Cal.—Until Feb. 13,

11 A. M., bids will be received by W.
O. Russell, secretary, Weimar Joint
Sanatorium, Courthouse, Sacramento,
to furnish and deliver supplies for
Weimar Joint Sanatorium for coming
six months. Specifications and further
information obtainable from above.

Preparing Preliminary Plans.

DORMITORY Cost, \$125,000
OAKLAND, Alameda Co., Cal.
Class A dormitory for Fairmont Coun-
ty Hospital (150-bed capacity).

Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl
Bldg., San Francisco.

LOS ANGELES, Cal.—Frank Graves
Sash, Door & Mill Co., 2000 Pasadena
Ave., submitted low bid to county su-
pervisors at \$140,362.56 for hardware
for Acute Unit of Los Angeles County
General Hospital.

Preliminary Plans Being Prepared.

HOSPITAL Cost, \$—
TUCSON, Arizona.
Modern hospital.

Owner—Southern Pacific R. R. Co., 65
Market St., San Francisco.

Architect—A. I. Coffey and Martin J.
Rist, Phelan Bldg., San Francisco.

Project is in a very preliminary
stage.

Bids Opened.
HOSPITAL Cost, \$2,500,000
SEATTLE, Washington. Yesler Hill.
Class A county hospital.
Owner—County of King.
Architects—Thomas, Grainger and
Thomas, Arcade Bldg., Seattle.

Following are the three low bidders
on each unit of the project:

General Contract
Western Const. Co., Seaboard
Bldg., Seattle.....\$1,245,237
Chrisman & Snyder.....1,257,000
West Coast Const. Co.....1,258,000

Plumbing Contract
Rautman P. & H. Co., 109
Jackson St., Seattle.....\$158,779
University P. & H. Co.....179,906
Hellenath P. & H. Co.....191,400

Heating and Ventilating
Rautman P. & H. Co., 109
Jackson St., Seattle.....\$161,967
University P. & H. Co.....165,622
Ashwell, Twist & Cook.....171,125

Electric Wiring
NePage-McKerny Co., 804 6th
St., Seattle.....\$106,775
J. J. Agutter & Co.....111,475
A. A. Carlson Co.....114,300

Sprinkler System
Automatic Sprinkler Corp., Se-
curities Bldg., Seattle.....\$6,988
Northwest Sprinkler Co., 8,670
Rautman P. & H. Co., 8,853

Kitchen Equipment
Brewer & Cone, 90 Blanchard
St., Seattle.....\$24,706
R. B. Buell & Co., 25,622
Dohrman Hotel Supply Co., 27,659

Brine Circulating Refrigerator System
Harris Ice Machine Co., \$14,115
Edwards Ice Machine Co., 14,910
Baker System Refrig., 16,110

Diet Kitchen-Laboratory Refrigeration
Harper-Meggee Co., 4th and
Blanchard Sts., Seattle.....\$11,648
Kelvinator Sales Corp., 12,250
Frigidaire Sales Corp., 12,359

Built-In Cold Storage Room
Fryer Service, 1233 Utah St.,
Seattle.....\$10,750
Pacific Asbestos & Supply.....10,775
Rogers Cabinet & Mfg. Co., 11,784

Elevators
Otis Elevator Co., 2200 4th St.,
Seattle.....\$91,872
Montgomery Elevator Co., 92,936
Westinghouse Elec. El. Co., 105,700

Bids Opened.
PREVENTORIUM Cost, \$30,000
SAN MATEO, San Mateo Co., Cal.
One-story frame and stucco preven-
torium.

Owner—San Mateo Assn. for Preven-
tion of Tuberculosis (Mrs. Harry
Daner, president).

Architect—E. L. Norberg, 580 Market
St., San Francisco.

Low Bidder—T. J. Broderick, 1528 Cy-
press Ave., Burlingame, \$25,997.

The next three low bidders are as fol-
lows:
F. Fowler.....\$26,000
Geo. Williams, Burlingame.....26,433
Bessett Bldg. Co., Burlingame.....27,811
Jack Bromfield and Bob Hughes are
members of the Board of Directors.
A complete list of bids will be pub-
lished tomorrow.

Plans Being Figured—Bids Close Feb.
17, 11 A. M.

PIPING SYSTEM Cost, \$—
SAN JOSE, Santa Clara Co., Calif.
County Hospital grounds.

Piping system for laundry.

Owner—County of Santa Clara, Henry
A. Pfister, county clerk.

Architect—Blinder and Curtis, 35 W
San Carlos St., San Jose.

Separate bids are being taken to
erect the laundry building, these bids
to be opened on same date. Plans are
on file in office of clerk.

NILES, Alameda Co., Cal.—Malott
and Peterson, 3221 20th St., San Fran-
cisco, at \$13,927 awarded contract by
Masonic Homes of California to fur-
nish and install all wall and floor cov-

erings of tile and other floor and metal
fixtures in connection with the con-
struction of a five-story class A ad-
ministration building to be erected at
Niles, Alameda County at the Decoto
Home, from plans prepared by Ar-
chitect Wm. Mooser, 14 Montgomery
St., San Francisco. K. E. Parker, 135
South Park, San Francisco, general
contractor.

Bids Opened.
ANNEX Cost, \$—
SAN FRANCISCO. Laguna Honda
Blvd.

Class A annex (Ward F) for Relief

Owner—City and County of San Fran-
cisco.

Architect—Hyman and Appleton, 68
Post St.

General Construction
Spivock and Spivock, Hobart

Bldg.....\$95,900
F. J. Feilly.....96,433
J. W. Cobby & Son.....98,114
MacDonald and Kahn.....99,000
H. H. Larsen.....99,933
Anderson & Ringrose.....100,900
Sorenson and Haggmark.....101,777
Leibert and Trobeck.....103,600
Jacks and Irvine.....103,948
Vogt and Davidson.....104,600
F. L. Hansen.....105,550
O. Monson.....105,968
Mission Concrete Co.....108,933

Electric Work
Knut Smith, 143 Benton Ave.....\$2,127
E. F. Dowd.....2,790
R. F. Pland.....3,224

Plumbing and Gas Fitting
Scott Co., 243 Minna St.....\$11,537
Thos. Skelly.....12,380
Mechanical Contracting Co., 12,120
J. E. O'Mara.....13,200
F. W. Snook Co.....13,891
Herman Lawson.....14,063
A. Lettich.....14,600

Mechanical Equipment
Scott Co., 243 Minna St.....\$ 8,160
F. W. Snook Co.....8,775
Mechanical Contracting Co., 8,840
J. E. O'Mara.....9,545
Herman Lawson.....9,719
A. Lettich.....14,000

Plans Being Figured—Bids Close Feb.
17, 11 A. M.

LAUNDRY BLDG. Cost, \$15,000
SAN JOSE, Santa Clara Co., Calif.
County Hospital grounds.

One-story reinforced concrete laundry
with steel trusses.

Owner—County of Santa Clara, Henry
A. Pfister, county clerk.

Architect—Blinder and Curtis, 35 W
San Carlos St., San Jose.

Plans on file in office of clerk.

Plans Being Figured.
ADDITION Cost, \$—
PHOENIX, Arizona. Good Samaritan
Hospital.

Three-story reinforced concrete wing
addition, laundry and heating
plant, 47x155 feet.

Owner—Good Samaritan Hospital, J.
O. Sexson, Supt.

Architect—Lescher & Mahoney, First
National Bank Bldg., Phoenix.

Bids Opened.
ADDITION Cost, \$650,000
SAN FRANCISCO. Fell and Baker
Streets.

Addition to present class A hospital.

Owner—Southern Pacific Railroad Co.,
65 Market St.

Architect—Alfred I. Coffey and Martin
J. Rist, Phelan Bldg.

Low Bidder—Barrett & Hilp, 918 Har-
rison St., \$450,000.

Other bidders were:
K. E. Parker, San Francisco.....\$458,800
Minnowdale Const. Co., S. F.....460,000
MacDonald & Kahn, S. F.....462,800
Clinton Const. Co., S. F.....465,000
Lidgren & Swinerton, S. F.....477,000

Bids held under advisement.

HOTELS

Contract Awarded.
ADDITION Cost, \$60,000
SAN LUIS OBISPO, San Luis Obispo
Co., Cal. Anderson Hotel.

Reinforced concrete 40-room addition
to hotel.

Owner—Anderson Hotel.
Architect—Howard S. Hazen, 1515 10th
St., Sacramento.

Contractors—Lindgren and Swinerton,
Inc., 225 Bush St., San Francisco.

Plumbing, electric wiring, painting
and plastering will be let under sep-
arate contracts.

Plans Being Figured.
IMPROVEMENTS Cost, \$150,000
ST. HELENA, Napa Co., Calif. Two
miles west of St. Helena.

Rebuild and enlarge resort buildings.

Owner—White Sulphur Springs of Cal-
ifornia.

Architect—M. J. Lyon, 916 Kearny St.,
(Room 301), San Francisco.

The White Sulphur Springs Co. was
recently incorporated with Roy H.
Merrier as president, John C. Watson,
vice-president, and F. L. Ipsen, sec-
retary. Scott Wilson of San Francisco
will handle advertising in connection
with the company. It is proposed to
have construction completed before
the summer months.

Commissioned To Prepare Plans.
HOTEL Cost, \$500,000
YUMA, Arizona. Main and First Sts.

Five-story 10-room Class A steel and
reinforced concrete hotel, 87x90 ft.

Owner—San Carlos Hotel Co., Chas.
Harris, Manager.

Architect—Louis Dorr and Dwight
Gibbs, 1110 Fine Arts Bldg., Los
Angeles.

ICE AND COLD STORAGE PLANTS

LOS ANGELES, Cal.—Until 2 P. M.
Feb. 3, bids will be received by the
board of supervisors for ice machine,
motors and condensers at the Los An-
geles county farm. Plans were pre-
pared by the county architect, Karl
Muck.

WOODLAND, Yolo Co., Cal.—Union
Ice Co., granted building permit by
city trustees to erect an addition to
the present ice plant; estimated cost
\$3000.

POWER PLANTS

SONOMA COUNTY, Cal.—Pacific
Gas & Electric Co., 245 Market St.,
San Francisco, will spend \$34,250 in
providing increased electric service to
Russian River resorts. Plans are be-
ing prepared to rebuild the transmis-
sion line from the Green Valley sub-
station into Guernewood Park.

SEATTLE, Wash.—City proposes to
bond for \$10,000,000 to finance exten-
sions to municipal light and power
systems.

TACOMA, Wash.—Engineering De-
partment of Board of Public Works
is completing plans for proposed \$2-
000,000 steam generating plant. Bids
will be asked shortly for the turbo
generator and accessory apparatus,
including transformers, oil circuit
breakers, switch gear, etc. The plant,
developing 25,000 kilowatts, will sup-
plement the hydro-electric develop-
ments at LaGrande and Lake Cush-
man, plants owned and operated by
the city of Tacoma.

HAYWARD, Alameda Co., Calif.—Great Western Power Co. plans construction of a \$1,500,000 sub-station near Hayward. Connecting with the main service system of the company through high power transmission lines from a switching station to be installed in the Moraga valley, the Hayward substation will handle the distribution of power for a wide area, including Hayward, San Leandro and a large part of East Oakland.

Auxiliary transmission and distribution lines to be built make up a large part of the construction project. Hayward sub-station is to be closely connected with the distribution lines of the company in Oakland. Surveys are under way, and the new facilities are expected to be ready for operation by this summer.

The transmission line which will connect Hayward with the Moraga valley switching station is to be extension of the 100,000-volt main transmission system of the company. Over this double-circuit, power will feed into the new sub-station from Great Western Power's system in the Feather river.

LOS ANGELES, Calif.—Until 10 A. M., February 5, bids will be received by D. P. Nicklin, purchasing agent, Los Angeles water and power bureau, 207 S. Broadway, for cable terminal and fittings, etc., under Adv. 1230.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Preparing Working Drawings.

JAIL Cost, \$60,000
SALINAS, Monterey Co., Cal.
Fireproof county jail (accommodations for 100 prisoners).

Owner—County of Monterey.
Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.

Bids will be taken in about three weeks.

BERKELEY, Alameda Co., Cal.—Until February 4, 10 A. M., bids will be received by Florence E. Turner, City Clerk, for moving or demolition of the Main Public Library at southwest corner of Shattuck Ave. and Kittredge St. Specifications obtainable from James W. Plachek, architect, Mercantile Bank Bldg., Berkeley. Certified check 10% payable to city required with bid.

DELANO, Kern Co. Cal.—Bids will be asked shortly by Scott Ladd, city clerk, to erect addition to fire house. Will have 12-inch brick or tile walls with stucco exterior.

Plans Being Completed.
FIREHOUSE \$12,500 available
VALLEJO, Solano Co., Cal. Alameda and Maryland Sts.
One-story firehouse (Spanish type).
Owner—City of Vallejo (Alf. E. Edgumbe, city clerk).
Architect—Wm. A. Jones, 408 Alameda St., Vallejo.
Bids will be advertised in about one week.

Plans Being Figured—Bids Close Feb. 14th.
AUDITORIUM Cost, \$1,400,000
LONG BEACH, Los Angeles Co., Cal.
Steel frame and reinforced concrete municipal auditorium (400x135 ft.; will seat 8500).

Owner—City of Long Beach.
Architect—J. Harold MacDowell, New York City and W. Horace Austin, Pacific Southwest Bldg., Long Beach.

Bids are being taken for general contract with separate bids on plumbing, electric work, heating and ventilating.

CONCORD, Contra Costa Co., Cal.—Mt. Diablo Fire Commission has purchased site, 100 by 125 feet at Grant and Fernando Sts., on which to erect new fire station.

Prospective Bidders.

LIBRARY Cost, \$275,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Kittredge St.

Reinforced concrete and steel. Class A public library (50 ft. high).

Owner—City of Berkeley (E. M. Hann, City Clerk).

Architect—James W. Plachek, Mercantile Bank Bldg., Berkeley.

Heating Engineers—Leland & Haley, 58 Sutter St., San Francisco.

Monson Bros., 475 Sixth St., San Francisco.

Schuler & MacDonald, Inc., 1723 Webster St., Oakland.

John M. Bartlett, 354 Hobart St., Oakland.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Barrett & Hlip, 918 Harrison St., San Francisco.

K. E. Parker, 135 South Park, San Francisco.

E. T. Lesure, 87 Ross Circle, Berkeley.

Walter Sorensen, 2940 Pledmont Ave., Oakland.

Fred J. Westlund, 625 40th St., Oakland.

James L. McLaughlin, 251 Kearny St., San Francisco.

Vogt & Davidson, 135 Stevenson St., San Francisco.

C. Dudley De Velbiss, 354 Hobart St., Oakland.

Conner & Conner, 1726 Grove St., Berkeley.

Bids are now being taken and will be opened February 4th.

Preliminary Plans Being Prepared.
COURTHOUSE, ETC. Cost, \$625,000
MODESTO, Stanislaus Co., Cal.
Class A courthouse and county jail.
Owner—County of Stanislaus.
Architect—Davis-Pearce, Inc., Builders' Bldg., Stockton.

RESIDENCES

Sub-Bids Being Taken.

RESIDENCE Cost, \$8000
SAN FRANCISCO, St. Mary's Park.
One-story and basement 5-room frame and stucco residence.

Owner and Builder—A. R. Johnson, 3901 Mission St.

Plans by D. E. Jaekle, Call Bldg.

Sub-Figures Being Taken.

RESIDENCES Cost, \$6500
SAN FRANCISCO, W. Westgate 200 N Upland.

Two one-story and basement frame and stucco residences.

Owner and Builder—G. W. Morris, 95 Pinehurst Way, San Francisco.

Plans by D. E. Jaekle, Call Bldg., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. The Arlington.

Two-story 8-room frame and stucco residence.

Owner—William Hull.

Architect—F. H. Slocombe, 85 Cambridge Way, Piedmont.

Contractor—T. D. Courtwright, 5098 Manila Ave., Oakland.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$25,000

HILLSBOROUGH, San Mateo Co., Cal. Woodstock Ave.

Two-story and basement 3-room frame and stucco residence.

Owner and Builders—George W. Williams & Co., 1404 Broadway, Burlingame.

Architect—Grimes & Schoening, Balovich Bldg., San Mateo.

Plans Being Prepared.

RESIDENCES Cost, \$—
SALINAS, Monterey Co., Cal.
Three modern residences.

Owner—Withheld until plans are further advanced.

Architect—Butner & Stranahan, Glikbarg Bldg., Salinas, and Cory Bldg., Fresno.

Contract Awarded.

RESIDENCE Cost, \$12,348
MILL VALLEY, Marin Co., Cal.
Two-story frame and stucco residence

Owner—Louis Winthall, 431 Mallina Ave., Mill Valley.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Contractor—John Dahla, 430 Crescent St., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$20,300
MONTEREY, Monterey Co., Cal. Los Ranchitos District.

Two-story frame and rock veneer residence and garage.

Owner—Wm. E. Haseltine, Carmel Valley.

Architect—None.

Contractor—Hugh Comstock, Carmel Valley.

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Contract Awarded.
RESIDENCE Cost, \$7,206
BERKELEY, Alameda Co., Cal. North
Cragmont.
One-story and basement 7-room frame
and stucco residence.
Owners—G. J. and Claire La Velle,
Berkeley.
Architect—Masten and Hurd, Shreve
Bldg., San Francisco.
Contractor—J. Harry Smith, 677 San-
ta Barbara Ave., Berkeley.

Low Bidders.
RESIDENCE Cost, \$46,520
LOS ANGELES, Cal. University of
California.
Two-story reinforced concrete and
brick director's residence.
Owner—Regents of University of Cal-
ifornia.

Architect—Reginald Johnson, Archi-
tects Bldg., Los Angeles.
Low Bidder—Carpenter Bros., 457 N.
Canon Drive, Beverly Hills.
Electrical work, Moore Electric Co.,
323 W. Third St., Los Angeles, at
\$2477.

Plumbing, Lohman Bros., 232 S-
Spring St., Los Angeles, at \$5429.

Contract Awarded.
RESIDENCE Cost, \$27,700
LOS ANGELES, Cal. No. 150 S. Mul-
field Road.
Two-story brick veneer residence (60
by 61 feet).
Owner—W. G. Heberling, 311 S. Arden
Bldg., Los Angeles.
Architect—H. J. Knauer, 1124 S. West-
ern Ave., Los Angeles.
Contractor—John R. King, 1126 S.
Western Ave., Los Angeles.

Contract Awarded.
RESIDENCES Cost, \$—
LOS ANGELES, Cal.—Midwick View
Estates.
Three two-story 12-room frame and
stucco residences.
Owner—Eddie Dowling; Geo. Weeks
and O. E. Goebble.
Architect—Gene Verge, Beaux Arts
Bldg., Los Angeles.
Contractor—National Thrift Corp, 437
S-Hill St., Los Angeles.

Sub-Bids Being Taken.
RESIDENCE Cost, \$25,000
HILLBOROUGH, San Mateo Co., Cal.
Two-story frame and stucco residence
(11 rooms, 5 baths, social hall and
maid's room).
Owner and Builder—A. M. Schulte, 459
Carnell Ave., San Mateo.
Architect—Grimes & Schoening, Bal-
ovich Bldg., San Mateo.

Contract Awarded.
RESIDENCES Cost, \$15,500
SAN FRANCISCO, S 19th Street E
Clover Lane.
Five 1-story and basement frame and
stucco residences.
Owner—Guaranty Bldg. & Loan Assn.,
70 Post St.
Architect—R. W. Jeans, 605 Market St.
Contractor—F. L. Hansen, 637 Minna
Street.

Contract Awarded.
RESIDENCE Cost, \$14,000
REDWOOD CITY, San Mateo Co.,
Cal. Edgewood
Two-story frame and stucco residence
Owner—L. C. Bowen, 963 Durlston Rd.
Redwood City.
Architect—None.
Contractor—L. F. Bourquin, 211 Brad-
ford St., Redwood City.

Contract Awarded.
RESIDENCE Cost, \$10,220
REDWOOD CITY, San Mateo Co., Cal.
Whipple Avenue.
One-story frame and stucco residence.
Owner—Daniel Hagmaier, 931 Fell
St., San Francisco.

Architect—Bliss & Fairweather, Bal-
boa Bldg., San Francisco.
Contractor—E. A. Anderson, 3000
Maple St., Oakland.

Contract Awarded.
RESIDENCES Cost, \$10,520
SAN MATEO, San Mateo Co., Cal.
Shore View Tract.
Two two-story and basement frame
and stucco residences.
Owner—San Mateo Terminal Prop-
erties Company.
Architect—Chas. F. Strothoff, 2274
15th St., San Francisco.
Contractor—Charles Hammer, 1524
Florinda Ave., Burlingame.

Contract Awarded.
RESIDENCE Cost, \$10,000
SAN MATEO, San Mateo Co., Cal.
Baywood Park.
Two-story and basement frame and
stucco residence.
Owner—Carl Melvin Warner.
Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.
Contractor—Thomas Cavanaugh, 343
Virginia St., San Mateo.

Plans Being Prepared.
RESIDENCE Cost, \$5000
SAN FRANCISCO, St. Mary's Park.
One-story and basement five-room
frame and stucco residence.
Owner and Builder—A. R. Johnson,
3301 Mission St., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San
Francisco.

Sub-Figures Being Taken.
RESIDENCE Cost, \$8500
BURLINGAME, San Mateo Co., Cal.
Hale Drive.
One and one-half-story seven-room
frame and stucco residence.
Owner and Builder—G. W. Williams
Co., 1404 Broadway, Burlingame.
Plans by Russell Coleman, 1404
Broadway, Burlingame.

Low Bidder.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. The
Arlington.
Two-story 8-room frame and stucco
residence.
Owner—William Hull.
Architect—F. H. Slocombe, 85 Cam-
bridge Way, Piedmont.
Low Bidder—T. D. Courtright, 5098
Manila St., Oakland.

Completing Plans.
RESIDENCE Cost, \$60,000
PASADENA, Los Angeles Co., Cal.
Two-story 10-room frame and stucco
residence.
Owner—Withheld.
Architect—John P. Pedersen, 437½
Beverly Drive, Beverly Hills.

Contractor—R. G. Neilson, 1194 W.
27th St., Los Angeles.

SCHOOLS

Commissioned to Prepare Plans.
SCHOOLS Cost, \$410,000
NEWPORT BEACH, Orange Co., Cal.
Group of reinforced concrete schools;
Administration building, shops and
physical education building.
Owner—Harbor Union High School
District.
Architect—Marsh, Smith and Powell,
Architects Bldg., Los Angeles.

Plans Being Figured—Bids Close Jan.
31, 2 P. M.
SCHOOL Cost, \$150,000
LYNBROOK, Los Angeles Co., Cal.
Two-story class C brick Junior High
School.
Owner—Compton Union High School
District.
Architect—Marsh, Smith & Powell,
514 Architects' Bldg., Los Angeles.

Sub-Bids Being Taken.
SCHOOL Cont. Price, \$75,055
RED BLUFF, Tehama Co., Cal.
One-story 17-room brick grammar
school (pressed brick exterior).
Owner—Red Bluff Grammar School
District.
Architect—W. H. Weeks, Hunter-
Dulin Bldg., San Francisco; 1736
Franklin St., Oakland, and Bank
of Italy Bldg., San Jose.
Contractor—J. J. Grodem, 1028 San
Antonio St., Alameda.
Sub-bids are being taken on all por-
tions of the work.
As previously reported, heating
awarded to Allen & Allen, Red Bluff,
at \$7843.15.

General Contract Awarded.
GYMNASIUM Cont. price, \$55,530
SAN RAFAEL, Marin Co., Cal. San
Rafael High School.
Reinforced concrete gymnasium.
Owner—San Rafael Board of Educa-
tion, Oliver R. Hartzell, secretary.
Architect—N. W. Sexton, deYoung
Bldg., San Francisco.
Contractor—Young & Horstmeyer, 461
Market St., San Francisco.
As previously reported heating con-
tract awarded to D. O'Mara, 218 Clara
St., San Francisco, at \$698; electrical
work to North Bay Elec. Works, San
Rafael, at \$3696; plumbing to Thos.
R. Catton, 354 Hobart St., Oakland, at
\$6499.

Bond Election Planned.
SCHOOL Cost, \$119,000
SAN DIMAS, Los Angeles Co., Cal.
Grammar school.
Owner—San Dimas School District.
Architect—Train & Cressey, Western
Mutual Life Bldg., Los Angeles.

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SAN FRANCISCO—Until February 5, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to furnish and install chairs in Roosevelt Junior High School at Arguello Blvd. and Geary St. Bond of \$2400 required of successful bidder. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Specifications obtainable from Bureau of Architecture, 265 City Hall.

SAN FRANCISCO—Until February 5, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to furnish and install electrical fixtures in Geary Street School at Geary, Cook and Blake Sts. and Laurel Hill Cemetery. Bond of \$160 required of successful bidder. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Specifications obtainable from Bureau of Architecture, 265 City Hall.

Plans Being Prepared.
SCHOOL. Cost, \$35,000
FORTUNA, Humboldt Co., Cal.
First unit of new school bldg.
Owner—Fortuna Grammar School District.
Architect—N. R. Coulter, 46 Kearny St., San Francisco.

Plans To Be Prepared.
GROUP OF BLDGS. Cost, 2,000,000
OAKLAND, Alameda Co., Cal. Fifty-ninth Ave. and Mesaba St.
Group of new buildings (work includes academic building; new library; science building; completion of art building; infirmary; residence hall and corporation yard).
Owner—Mills College, Fremont, Cal.

Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley.
Trustees of the college include: William F. Bade, Albert M. Bender, Mrs. Robert J. Burdette, Joseph F. Carlston, Miss Persis H. Coleman, Samuel P. Eastman, George C. Edwards, Milton H. Esberg, Janet C. Haight, Joseph H. Kling, Joseph R. Knowland, Whitney Palache, Bishop Edward Lambe Parsons, Herman H. Pheiler, Mrs. Thomas Mitchell Potter, President Aurelia Henry Reinhardt, Selden C. Smith, Mrs. Willard O. Wayman, Frank W. Wentworth, Clarence J. Wetmore.

Plans Being Prepared.
SCHOOL. Cost, \$20,000
MENDOCINO, Mendocino Co., Cal.
New grammar school.
Owner—Mendocino Grammar School District.

Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Proposed building will replace one recently destroyed by fire.

Contracts Awarded.
GYMNASIUM. Cost, \$—
SAN RAFAEL, Marin Co., Cal. San Rafael High School.
Reinforced concrete gymnasium.
Owner—San Rafael Board of Education, Oliver R. Hartzell, Secretary
Architect—N. W. Sexton, deYoung Bldg., San Francisco.
Heating—O. Mara, 213 Clara St., San Francisco, at \$6998.
Electrical Work—North Bay Elec. Works, San Rafael, at \$3696.
Plumbing—Thos. R. Catton, 354 Hobart St., Oakland, at \$6499.
The general bids are held under advisement.

SAN DIEGO, Calif.—R. G. Meyler Corp., 940 Maple St., Los Angeles, at \$10,300 submitted low bid to State Department of Public Works, Division of Architecture, Sacramento, to fur-

nish and install boiler at State Teachers' College, San Diego. Other bids, all taken under advisement, were: W. S. Leland, Oakland, \$10,869; Chase-Terry, Los Angeles, \$13,955; Consolidated Steel Corp., Los Angeles, \$15,540.

Contract Awarded.
HEATING SYSTEM. Cont. Price, \$2483
SAN RAFAEL, Marin Co., Cal.
Steam heating system for Vocational Training Building at High School.
Owner—San Rafael School Dist., O. R. Hartzell, Secretary.
Architect—N. W. Sexton, 1606 de Young Bldg., San Francisco.
Contractor—Nottingham Heating & Ventilating Co., 1523 Market St., Oakland.

Preliminary Plans Being Prepared.
GYMNASIUM. Cost, \$180,000
SAN JOSE, Santa Clara Co., Cal.
State Teachers' College Grounds Fourth and San Carlos Sts.
Fireproof gymnasium.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Plans Being Revised.
SOCIAL UNIT. Cost, \$90,000
BERKELEY, Alameda Co., Cal. Bancroft Way adjoining present building.
Three-story steel frame and concrete educational and social unit.
Owner—Trinity Methodist Episcopal Church, 2362 Bancroft Way, Berkeley.
Architect—George Rushforth, 354 Pine St., San Francisco.

Plans Being Prepared.
ADDITIONS. Cost, \$10,000
KING CITY, Monterey Co., Cal.
Additions to grammar school.
Owner—King City Grammar School District.
Architect—Butner & Stranahan, Glukharg Bldg., Salinas, and Cory Bldg., Fresno.

TEHACHAPI, Kern Co., Cal.—Fred L. Gribble, 1200 17th St., Bakersfield, submitted low bid to the Tehachapi High School District at \$54,590 for Proposition A and \$42,900 for Proposition B, for the erection of a new high school building at Tehachapi. W. Horace Austin, Pacific Southwest Bank Bldg., Long Beach, is the architect. The building will contain auditorium and gymnasium combined, six classrooms and toilets, concrete construction, plaster exterior, tile roofing, maple floors, gas heating, etc. Bids taken under advisement.

Plans Being Completed.
SCHOOL. Cost, \$700,000
SAN FRANCISCO. Onondaga, Otsego and Cayuga Aves.
Third unit of South Side High School.
Owner—City and County of San Francisco.
Architect—Bakewell and Weihe, 251 Kearny St.
Bids will be taken the first part of February.

Sub-Bids Wanted.
SCHOOLS. Cost, \$100,000 each
COMPTON, Los Angeles Co., Cal.
Clearwater and Willowbrook Dist. Two concrete and brick Junior High Schools.
Owner—Compton Union High School District.
Architect—Frank M. Goodwin, Stockwell Bldg., Compton.
Contractor—Jules W. Market, 2130 Greenleaf St., Santa Ana.

Commissioned To Prepare Plans.
AUDITORIUM. Cost, \$50,000
BIGGS, Butte Co., Cal.
One-story grammar school (6 classrooms and auditorium).
Owner—Biggs Grammar School Dist.
Architect—Jens C. Petersen, 826 26th St., Sacramento.

SAN FRANCISCO—Until February 3, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver furniture for school department. Specifications obtainable from above on request.

Contracts Awarded.
GYMNASIUM. Cost, \$—
CHOWCHILLA, Madera Co., Cal.
Brick and stucco gymnasium, 50 by 80 ft., Spanish type with tile roof.
Owner—Chowchilla Union High School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
General Contract—J. M. Saterstadi, Madera, at \$8950.
Brickwork—Paul Kindler, Fresno, at \$7000.
Steel and Iron Work—O. M. Brockliss, Fresno, at \$2364.
Roofing—Cross Lumber Co., Merced, at \$1650.
Plastering—Fred Low, Fresno, at \$1078.
Millwork—Fresno Planing Mill Co., Fresno, at \$1268.
Glass and Glazing—W. P. Fuller & Co., Fresno, at \$165.
Painting—Neil & Wirtner, Turlock, at \$1190.

Bids Wanted—Bids Close Feb. 10.
PLUMBING, ETC. Cost, \$—
CHOWCHILLA, Madera Co., Cal.
Plumbing and electric work for school gymnasium.
Owner—Chowchilla Union High School District.
Architect—Swartz and Ryland, Brix Bldg., Fresno.

Bids previously received for plumbing and electric work in connection with this structure were rejected. Plans are on file in the office of the clerk of the district at Chowchilla and are obtainable from the architects.

BANKS, STORES & OFFICES

Sub-Bids Wanted.
OFFICE BLDG. Cost, \$30,000
CARMEL, Monterey Co., Cal. Ocean Ave. near Dolores St.
Two-story office and store building.
Owner—Ray C. De Yoe, Carmel.
Architect—Swartz & Ryland, Spazier Bldg., Monterey, 373 Main St., Salinas, and Brix Bldg., Fresno.
Contractor—M. J. Murphy, Carmel.
Sub-bids are wanted on structural steel, reinforcing iron, plumbing, plastering and electric wiring.

Construction Under Way.
ALTERATIONS. Cost, \$15,000
SAN BRUNO, San Mateo Co., Cal.
Uncle Tom's Cabin.
Alterations to present restaurant.
Owner—Mr. De Witt.
Architect—None.
Contractor—Mr. Spencer, Premises.
Lessees—Reno Margarani and Robert Scalabrino.

Contract Awarded.
ALTERATIONS. Cost, \$10,000
SAN FRANCISCO. 2554 Mission St.
Alterations to present store.
Owner—Hale Brothers.
Plans by Owners.
Contractor—Young & Horstmeier, 461 Market St., San Francisco.
Lessees—Oregon City Woolen Mills, San Francisco.

Contract Awarded.
OFFICE Cost, \$4710
WATSONVILLE, Santa Cruz Co., Cal.
Railway Depot Grounds.
One-story frame and stucco express office.
Owner—Railway Express Agency, Inc.,
504 Main St., Watsonville.
Architect—J. H. Humphreys, Wells
Fargo Bldg., San Francisco.
Contractor—T. H. Rosewall, 422 E.
Third St., Watsonville.

Contract Awarded.
Plans Being Figured—Bids Close Feb.
3rd.
OFFICES Cost approx. \$30,000
EUREKA, Humboldt Co., Cal. SE 4th
and A Streets.
One-story and mezzanine floor steel
frame and brick office and shop
building (140x110-ft.).
Owner—Pickwick Stage System.
Architect—O'Brien Bros. and W. D.
Peugh, 315 Montgomery St., San
Francisco.

Segregated Bids Being Taken.
MARKET Cost, \$50,000
STOCKTON, San Joaquin Co., Cal.
North El Dorado St., between
Park and Flora Sts.
One-story brick and reinforced con-
crete market (100x200 feet).
Owner—El Dorado Motor Court, Inc.
Architect—Frank V. Mayo, 1024 West
Flora St., Stockton.

Plans Being Figured—Bids Close Jan.
27, 4:30 P. M.
RESTAURANT Cost, \$—
OAKLAND, Alameda Co., Cal. Oak-
land Outer Harbor.
One-story reinforced concrete restau-
rant (20x118 feet).
Owner—City of Oakland Port Com-
mission, 424 Oakland Bank Bldg.,
Oakland.
Architect—Eng. Dept. of Owner.

Construction Started.
STORE BLDG. Cost, \$15,000
SAN FRANCISCO. Fourth St. near
Folsom St.
One-story class C concrete store bldg.
Owner—Geo. De Martini.
Engineer—James Smith, 251 Kearny
Street.
Contractor—Richard Harms, 1217
Stanyan St.

Title Contract Awarded.
ADDITION Cost, \$500,000
SAN FRANCISCO. N California St. E
Stockton Street.
Seven-story Class A steel frame wing
addition to office building.
Owner—Metropolitan Life Insurance
Co., California and Stockton Sts.,
San Francisco.
Architect—Miller & Pfueger, 580 Mar-
ket St., San Francisco.
Contractor—Lindgren & Swinerton,
Inc., 225 Bush St., San Francisco.
Title—Mar. Tile & Marble Co., 221 Oak
St., San Francisco.
Other awards previously reported.

Plans Complete.
MARKET Cost, \$50,000
STOCKTON, San Joaquin Co., Calif.
North El Dorado St. between Park
and Flora.
One-story brick and reinforced con-
crete market (100x200-ft.).
Owner—El Dorado Motor Court, Inc.
Architect—Frank V. Mayo, 1024 West
Flora St., Stockton.
Segregated bids will be taken Jan.
23. Present buildings on site are be-
ing wrecked.

Structural Steel Contract Awarded.
CLASS A BLDG. Cost, \$65,000
SAN FRANCISCO. SW Bush and
Franklin Streets.
One-story and mezzanine floors Class

A reinforced concrete and steel
frame building (120x144-ft.).
Owner—Mrs. Ray Schwartz.
Engineer—L. H. Nishkian, 525 Mar-
ket St., San Francisco.
Manager of Constr.—Mel. I. Schwartz
308 Kearny St., San Francisco.
Lessee—Firestone Tire & Rubber Co.
Structural Steel—Dyer Bros. Iron
Works, 17th and Kansas Sts., San
Francisco.

Bids are wanted on reinforcing steel
concrete and grading.
Building will run from Bush to Fern
St. on Franklin and will have steel
rolling doors, metal ash and terra
cotta cement floor.

Additional Sub-Contracts Awarded.
OFFICES Cost, \$3,000,000
SAN FRANCISCO. NW Bush and
Battery Sts.
Twenty-eight-story class A office bldg.
Owner—Shell Oil Co., 200 Bush St.
Architect—George W. Kelham, 315
Montgomery St.
Structural Engineer—H. J. Brunner,
Sharon Bldg.
Contractor—P. J. Walker Co., Sharon
Bldg.
Ornamental Iron—California Artistic
Metal & Wire Co., 249 7th St.
Metal Windows—Forderer Cor. Nice
Works, 269 Potrero Ave., and U.
S. Metal Prod. Co., 330 10th St.
Plumbing—The Turner Co., 323 Te-
hama St.
Electrical Work—Chas. Langlals, 472
Clementina St.
Heating and Ventilating—J. Nelson,
10th and Howard Sts.
Gas Storage Tanks and Pumps—S. F.
Bowser & Co., 425 Brannan St.
Steel Rolling Doors—Gunn, Carle and
Co., 444 Market St.
Mill Work—Pacific Mfg. Co., Monad-
nock Bldg.
Rubber Tile—U. S. Rubber Co., 300
2nd St.
Plan Plastering—A. Knowles, Call
Bldg.
Vault Doors—Herring Hall Marvin
Safe Co., 214 California St.
Other awards reported Dec. 13, 1929.

Sub-Figures Being Taken.
ADDITION Cost, \$300,000
LOS ANGELES, Cal. SW W. Adams
and Figueroa Sts.
Three-story and basement Class A
reinforced concrete automobile
club addition (150,000 sq. ft. floor
space).
Owner—Automobile Club of Southern
California.
Architect—Roland E. Coats, Architects
Bldg., Los Angeles.
Contractor—C. J. Kubach Co., 801 Fi-
delity Bldg., Los Angeles.

Plans Being Completed.
STORES Cost, \$25,000
SAN FRANCISCO. SW Post and Fill-
more Sts.
One-story reinforced concrete (7) store
building.
Owner—Dunn-Williams Realty Corp.,
150 Montgomery St.
Architect—S. Heiman, 605 Market St.
Bids will be taken in two weeks.

Plans Being Prepared.
OFFICES Cost approx. \$50,000
FAIRFIELD, Solano Co., Cal.
Three-story modern office bldg. (100x
50-ft.).
Owner—E. L. Dearborn, Fairfield.
Architect—Coffman, Sahlgren & Staf-
ford, Forum Bldg., Sacramento;
3529 Emerson St., Oakland.

Commissioned to Prepare Plans.
BUILDING Cost, \$750,000
LOS ANGELES, Cal. 629-633 S Hill
Street.
Twelve-story and basement 60x158-ft.
reinforced concrete building.
Owner—Sun Realty & Finance Corp.
Architect—Claude Beelman, Union B'k
Bldg., Los Angeles.

**Contract Awarded—Sub-Bids Being
Taken.**
STORES Cost, \$—
OAKLAND, Alameda Co., Cal. SE San
Pablo and University Avenues.
One-story brick (5) store building.
Owner—A. J. Weisbrod, 827 Warfield
Ave., Oakland.
Plans by Owner.
Contractor—Spivock & Spivock, Ho-
bart Bldg., San Francisco.

Plans Being Figured—Bids Close Feb.
4, 10:30 A. M.
OFFICES Cost, \$—
WOODBIDGE, San Joaquin Co., Cal.
Main and Indiana Sts.
One-story 25x34-ft. concrete offices.
Owner—Woodbridge Irrigation Dist.,
Olla L. Strother, secretary.
Architect—W. J. Wright, Mail Bldg.,
Stockton.
Cert. check 10% payable to district
required with bid. Plans on file in
office of the secretary.
See call for bids under official pro-
posals section in this issue.

Sub-Figures Being Taken.
STORES Cost, \$25,000
FAIRFIELD, Solano Co., Cal. S Tex-
as St. bet. Jackson and Webster.
One-story brick and concrete store
building (50x96-ft.).
Owner and Builder—W. B. Fields, 3866
14th Ave., Oakland.
Architect—Hutchinson & Mills, 337 17th
St., Oakland.
Lessees—J. A. Gerevas, T. O. Dow-
dell and Solano Republican.

Bids To Be Taken Within One Week.
ALTERATIONS Cost, \$10,000
SALINAS, Monterey Co., Cal.
Alterations to present frame and
stucco store building.
Owner—J. A. Cornett, 111 San Luis
St., San Jose.
Architect—A. W. Story, Pajaro Valley
Bank Bldg., Watsonville.

Contract Awarded.
BUSINESS BLDG. Cost, \$17,805
SAN MATEO, San Mateo Co., Cal.
Taylor Avenue.
One-story reinforced concrete business
building.
Owner—Richard Fischer, 33 E-Santa
Inez St., San Mateo.
Architect—None.
Contractor—Niles P. Petersen, 233 3rd
Ave., San Mateo.

Contract Awarded.
REMODEL Cost, \$—
FRESNO, Fresno Co., Cal. No. 1130
Fulton Street.
Remodel Theatre for (2) stores.
Owner—Bradley Wallace Estate.
Lessees—Vogue Bootery, 1160 Fulton
St., Fresno.
Architect—Shields, Fisher & Lake,
Pacific Southwest Bldg., Fresno.
Contractor—Fisher & McNulty, Fresno

Working Drawings Being Prepared.
ADDITION Cost, Approx. \$150,000
SAN FRANCISCO. No. 260 California
Street.
Two-story Class A reinforced concrete
addition to present ten-story
building.
Owner—Newhall Estate, Premises.
Architect—Lewis P. Hobart, Crocker
Bldg., San Francisco.

Plans Being Prepared.
BUSINESS BLDGS. Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
SW Seventh and K Streets.
Two two-story business buildings
(type of construction not decided).
Owner—Louis R. Lurie, 315 Montgom-
ery St., San Francisco.
Architect—O'Brien Bros. and W. D.
Peugh, 315 Montgomery St., San
Francisco.

Plans Being Completed.

ALTERATIONS Cost, \$—
SAN FRANCISCO. SW Polk and California Sts.
 Extensive alterations to present building for store and fountain.
 Owner—Owl Drug Co.
 Plans by Edwin Du Val, Dalziel Bldg., Oakland.

Contractor—Edwin Du Val, Dalziel Bldg., Oakland.
 Bids will be taken in about ten days.

Plans Being Prepared.

AUTO SALESROOMS Cost, \$30,000
FRESNO. Fresno Co., Cal. 820 Van Ness Ave.

One-story auto salesrooms.
 Owner—Fisher-Glassford Co., Fresno.
 Architect—Shields, Fisher and Lake, Pacific Southwest Bldg., Fresno.

Plans Being Completed.

BANK BLDG. Cost, \$30,000
REDWOOD CITY. San Mateo Co., Cal. Upper Broadway and Minnie St.
 One-story concrete modern bank building (90x90 ft.; Spanish type).
 Owner—San Mateo County Bank, Redwood City.
 Architect—Albert F. Roller, Crocker First National Bank Bldg., S. F.
 Bids will be taken in one week.

Plans Being Completed.

BANK BLDG. Cost, \$75,000
OAKLAND. Alameda Co., Cal. SE Eighth St. and Broadway.
 One-story reinforced concrete and terra cotta bank building (all modern conveniences).
 Owner—Bank of America of California, 631 Market St., San Francisco.
 Architect—A. F. Roller, Crocker First National Bank Bldg., San Francisco.
 Bids will be taken in about three weeks.

Sub-Contracts Awarded.

ALTERATIONS Cost, \$20,000
SACRAMENTO. Cal. No. 726 K St. Store alterations.
 Owner—"Zukor's," Premises.
 Architect—McClelland & Pinneh, Republic Bldg., Seattle, Wash.
 Contractor—George Hudnutt, 1975 S St., Sacramento.

The work will involve a new store front, new fixtures for departments and offices; bronze work; lighting system, etc.

Marble—Ray Cook Marble Co., Foot of Powell St., Oakland.

Rubber Tile Base—U. E. Rubber Co., 300 Second St., San Francisco.

Vitre Black—Vitrolite Constr. Co., 1490 Mission St., San Francisco.

Ornamental Bronze, Etc.—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.

Mill Work—Friend & Terry Lumber Co., Sacramento.

Painting—C. Schneider, Sacramento.
Steel Work—Palm Iron Works, Sacramento.

Terrazzo Work—H. P. Fischer Tile & Marble Co., Sacramento.

Sheet Metal—McLaughlin Sheet Metal Works, Sacramento.

Electric Work, Plumbing, Heating & Ventilating—Latourrette-Fical Co., Sacramento.

Carpentry Contract Awarded.

OFFICE BLDG. Cost, \$30,000
CARMEL. Monterey Co., Cal. Ocean Ave. near Delores St.

Two-story office and store building.
 Owner—Ray C. De Yoe, Carmel.

Architect—Swartz & Ryland, Spazier Bldg., Monterey, 373 Main St., Salinas, and Brix Bldg., Fresno.

Contractor—M. J. Murphy, Carmel.
 Sub-bids will be taken in one week.

SACRAMENTO, Cal.—The Boys' Store, 1108 K Street, has renewed lease on the present quarters and plans extensive remodeling including the construction of a mezzanine floor, basement repairs, new front and redecoration of the interior.

Plans Being Prepared.

STORES Cost, \$30,000
MONTEREY. Monterey Co., Cal.

Two-story reinforced concrete store building (5 stores).

Owner—J. K. Oliver.
 Architect—Swartz & Ryland, Spazier Bldg., Monterey; Brix Bldg., Fresno, and 373 Main St., Salinas.

Sub-Contracts Awarded.

DRUG BLDG. Cost, \$120,000
HONOLULU. T. H.

Three-story concrete wholesale drug building (office, show room and warehouse).

Owner—Langley & Michaels, 50 First St., San Francisco.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Contractor—R. E. Wooley, Honolulu, T. H.

Steel Rolling Doors—Honolulu Iron Works, Honolulu.

Sprinkler System—S. G. Walker (Grin-rel), Honolulu.

Plastering—George Larsen, Honolulu.

Roofing—Peerless Roofing and Paint Co., Honolulu.

Tile Work—Mid-Pacific Tile Co., Honolulu.

Wire Screens—Standard Fence Co., 432 Bryant St., San Francisco.

Electric Work—Hawaiian Electric Co., Honolulu.

Steel Sash—Aller & Robinson, Ltd., Honolulu.

Miscellaneous Iron Work—Honolulu Iron Works, Honolulu.

Scuppers—M. B. Hammond, San Francisco.

Hollow Metal—Forderer Cornice Wks., 269 Potrero Ave., San Francisco.

THEATRES

Completing Plans.

THEATRE Cost, \$500,000
BURBANK. Los Angeles Co., Calif. Magnolia Park.

Class A reinforced concrete theatre and stores (theatre to seat 2000).

Owner—Earl White.

Architect—Forest J. de Griffith, 226 N Western Ave., Los Angeles.

Lessee—Fox West Coast Theatres, Inc.

YREKA. Siskiyou Co., Cal.—Walter H. Leverette, Medford, Ore., will have plans prepared for a modern theatre in Second Street; estimated cost, \$70,000. It is proposed to have construction started by March 1.

Contract Awarded.

REMODEL Cost, \$20,000
FRESNO. Fresno Co., Cal. No. 1130 Fulton Street.

Remodel theatre.

Owner—Strand Theatre.

Architect—None.

Contractor—Fisher & McNulty, Fresno

MISCELLANEOUS CONSTRUCTION

BAKERSFIELD. Kern Co., Cal.—Bids will be asked at once by V. Van Ripper, City Clerk, to construct new tennis court and backstops at Castro Park in West Eighteenth Street. City park budget provides a \$1,000 appropriation for this work. Plans on file in office of the clerk.

LONG BEACH. Los Angeles Co., Cal.—Hammond Lumber Co. will furnish approximately 1,000,000 feet of lumber for Cyclone racer roller coaster

on the Jackrabbit Pier, Long Beach, for H. H. Horsch. Plans by Traver Engineering Co., Beaver Falls, Pa. Cost, \$71,000.

Plans To Be Advertised Shortly.

RECONSTRUCTION Cost, \$900,000
LOS ANGELES. Cal. Exposition Park
 Removal of upper half of coliseum and reconstructing with reinforced concrete and addition of 25,000 seats.

Owner—City of Los Angeles.

Architects—John and Donald Parkinson, Title Insurance Bldg., Los Angeles.

COTTONWOOD. Shasta Co., Cal.—U. S. Bureau of Aeronautics has requested Cottonwood Chamber of Commerce to make old baseball field at Cottonwood available for an emergency landing field.

Completing Plans.

REMODEL DEPOT Cost, \$8000
SACRAMENTO. Sacramento Co., Cal. Seventh and L Streets.

Remodeling of present depot for de Luxe stage depot.

Owner—Southern Pacific Motor Transport Co., 9 Main St., San Francisco

Architect—Eng. Dept. of Owner.

Bids will be taken in one week by Mr. Evan, care S. P. Motor Transport Co., 2047 San Pablo Ave., Oakland, for a general contract.

Sub-Bids Wanted.

COMFORT STATION Cost, \$50,378
SAN FRANCISCO. Gt. Highway bet. Judah and Taraval Sts.

Construct comfort station.

Owner—City and County of San Francisco.

Architect—Bureau of Architecture, 2nd floor, City Hall.

Contractor—Clinton-Stephenson Company, Monadnock Bldg.

Sub-bids are wanted on cast stone, painting, hardware, mill work and plastering.

Plans Completed.

MAUSOLEUM Cost, \$100,000
WHITTIER. Los Angeles Co., Cal. Workman Mill Road.

One-story reinforced concrete mausoleum (130x205 ft.; 2070 crypts).

Owner—Memorial Park Association.

Engineer—Frisbee & O'Farrell, California Reserve Bldg., Los Angeles

Bids Opened.

TENNIS COURTS Cost, \$—
SAN JOSE. Santa Clara Co., Cal. State Teachers' College.

Four tennis courts.

Owner—State of California.

Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Low Bidder—Malott & Peterson, 3221 20th St., San Francisco, \$9,942; bid \$8,956.

Other bidders were:

T. T. and H. C. Jorgensen, San Jose.....\$11,999

R. N. Swensen, San Jose.....12,200

C. O. Summers, San Jose.....12,875

Geo. L. Honore, San Jose.....12,898

Morrison Bros., San Jose.....13,027

J. D. Carlsen, San Jose.....13,252

Frank Nevens, San Jose.....13,833

Megna & Newell, San Jose.....15,531

Bids held under advisement.

Plans Being Prepared.

ALTERATIONS Cost, \$15,000
SALINAS. Monterey Co., Cal.

Alterations and additions to undertaking parlors.

Owner—Struve & La Porte, Salinas.

Architect—Butner & Stranahan, Gikburg Bldg., Salinas, and Cory Bldg., Fresno.

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission St., Phone KEarny 1252.

D-3371—Representation. New York, N. Y. Publishing company looking for reliable sales organization to sell directory in this city.

D-3372—Distributor. Indianapolis, Indiana. Distributor for malted milk who covers the Soda Fountain trade in and around San Francisco desired.

D-3373—Auto Supplies. Berkeley, Calif. Party looking for connection with a manufacturer or wholesaler of auto supplies, parts, equipment, or accessories, who has new territory to develop, or old territory to work more intensively.

D-3374—Representative. New Albany, Ind. Company in the market for a representative to handle complete line of equipment for varnish making, paint and lacquer.

17023—Building Materials. Brussels, Belgium. Member of a Belgian firm, who is planning a visit to San Francisco in February, desires to make connections with importers of building materials, especially iron and steel products, for whom he desires to act as buying agent in Belgium.

17025—Power and Munitions Factories. San Francisco, Calif. Holland designer and builder of complete powder and munitions factories wants to communicate with Pacific Coast parties interested in these lines.

17026—Woodenware, Axes, Etc. San Francisco, Calif. A Swedish firm is asking for information concerning reliable importers of spring clothes pins, dolly pegs, rat and mouse traps, wooden wash boards, broom handles, deck and garden chairs, axes, etc.

17030—California White Pine Shelving. New York, N. Y. Company has an inquiry from South Africa for 20,000 feet of California white pine shelving, No. 2 common rough, the specifications for which are on file.

17031—General Representation. Los Angeles, Calif. Los Angeles firm has inquiries from Chinese concerns who wish to represent manufacturers.

17034—General Representation. Kobe, Japan. American citizen, who has resided for the past nine years in China, Japan and the Philippines, with experience as manager of an import-export concern wishes to represent San Francisco firms in the Orient on a commission basis.

17037—Ore. Oaxaca, Oax., Mexico. Owner of mine yielding ore which averages 8% copper, 20% lead, and 25 to 30 ounces of silver wishes to interest San Francisco parties in the developing of his holdings. Sample of ore on file in San Francisco.

17041—Oil Ranges and Light Fixtures. Honolulu, T. H. Party is desirous of getting in touch with manufacturers of oil burning ranges and also with small manufacturers of lighting fixtures for dwellings.

17042—General Representation. San Francisco, Calif. Party planning a business trip to Mexico City in the near future wishes to communicate with local firms who are interested in extending their trade relations with Mexico. Interviews may be arranged.

17043—Representation. San Francisco, Calif. Firm with headquarters in New York is interested in any good manufactured line that can be used for export purposes. Have offices all over the world and want exclusive representation. Would be prepared to pay against documents and handle all details of the sale, shipment, etc.

17044—General Representation. New York, N. Y. Party who for fifteen years has maintained an export sales

organization with agents in nearly every country in the world offers his services to local manufacturers of branded specialties.

17053—Antimony Lampshades. Tokyo, Japan. Manufacturer of artistic antimony lampshades are desirous of getting in touch with importers of this commodity.

17057—Representation in Australia. Victoria, Australia. Party established as a manufacturers' agent wants to represent San Francisco producers of the following lines: automatic labor saving machines for factory, office, and home; also rayon artificial silk and yarn, cotton yarn, piece goods, etc.

UNEMPLOYMENT SURVEY PLANNED BY UNION LABOR

Members of the executive council of the American Federation of Labor on January 18 reviewed the results of their conference recently concluded at St. Petersburg, Fla.

Outstanding among the decisions of the council was the agreement to make a survey on the unemployment situation in connection with the national census of this year.

William Green, the president of the federation, estimated 3,000,000 laborers were out of work and suggested that consideration be given efforts to bring about a gradual reduction in the hours of labor, either by the establishment of a universal eight-hour day or a five-day week.

In the proposed railway consolidation plan of the Interstate Commerce Commission Green saw the possibility of adding 1,600,000 transportation workers to the ranks of the unemployed and said organized labor would ask that contractual relations between railroads and employees be protected.

The council discussed legislation compelling contractors receiving contracts for government buildings to post bond guaranteeing that they would pay the prevailing wage scale to laborers, whether union or non-union. Such a plan would be similar to a system used by the United States Navy wage board.

PROPERTY NOT OWNED BY LEASEE SUBJECT TO MECHANICS' LIEN

Under Kansas statutes a mechanics' lien attaches in favor of one under contract to drill an oil well to all material, supplies and casing furnished by the owner of an oil and gas lease regardless of whether he owns such material, or whether he has borrowed it, or rented it, the Supreme Court of Kansas has held.

It is essential under the statute that there be a contract with the owner of the oil and gas lease, or some share or interest therein, but it is not necessary that the owner of the lease own the material and equipment to which the lien attaches, it was held. If such owner furnished that material it is sufficient.

The decision was rendered in the case of J. F. Williams, et al, against the Otstot Oil Company, et al.

Paragon Machine Tool & Die Works of Richmond, capitalized for \$50,000, has filed articles of incorporation in Martinez and will erect a plant for the manufacture of dies, surgical instruments, metal containers, washing machines and various kinds of machinery. Incorporators are L. W. Evans, A. de Soto, S. Belazs and H. K. Watchers.

URGE HEIGHT LIMIT FOR MARINA BUILDINGS

A resolution introduced in the San Francisco Board of Supervisors by Supervisor William F. Stanton requests the City Planning Commission to prepare an ordinance limiting the height of buildings in the Marina District. The resolution suggests a limit of forty feet in the height of the buildings. The area included is bounded by Chestnut, Fillmore and Laguna streets and the Marina.

OAKLAND PLUMBING PERMITS INDICATE CITY'S GROWTH

As further evidence of the growth of Oakland during the past year, the city plumbing department granted \$712 plumbing permits in 1929 as against 5525 in 1928, according to an annual statement by Inspector Joseph Francis, chief of the city plumbing department.

The department made 35,146 inspections during 1929 as against 23,313 in 1928. There were 152 master plumbers' licenses issued in 1929 as against 131 in 1928, though journeymen plumbers' licenses decreased to 327 in 1929 as against 356 in 1928. There were 30 sewer contractors' licenses issued in 1929 as against 24 in 1928.

Owing to the new city ordinance compelling rigid inspection and supervising of gas appliance and furnace dealers, who must now be licensed, there was 77 of these licenses issued in 1928 who were never licensed before.

The total number of licenses issued was 556 for 1929 as against 511 in 1928.

November and December, with winter approaching, were the big months of the city plumbing inspection bureau, there being 1633 permits issued in November and 1482 in December.

EMPLOY AN ARCHITECT

The architect should be the first consideration with the prospective home builder. Nine times in ten the man who plans to build a house has no practical knowledge of construction. He may have an idea of what he wants in his home, but he is without both knowledge or skill in designing. All he has is an idea which he must pass on to the contractor.

That is a dangerous resort. It is responsible for more botched houses, more dissatisfied home owners, than any one other cause.

You may think you cannot afford the services of an architect. Strain a point anyway and employ one.

It is far better than to do without him and when you have put all your money into the house and mortgaged your future for five or ten years as well, at last awaken to find you have only a disappointment.

Safeguard not only your own satisfaction but your investment by insuring the proper construction of your home. That is good sense and real thrift.—Building Economy.

SEATTLE PLASTERERS ELECT

Joseph J. Jefferson was elected president of the Contracting Plasterers' Association of Seattle at the annual meeting of that body held last week. O. C. Erickson was elected vice-president and A. G. Linhoff, secretary. Headquarters of the association are located in the Arcade Building, Seattle.

Engineering News Section

BRIDGES

CURRY COUNTY, Ore.—Mercer-Fraser Co., Eureka, Calif., at \$536,000 awarded contract by State Highway Commission to construct concrete bridge at Station 1393 ft. long, over Rogue river near Gold Beach.

SISKIYOU COUNTY, Cal.—Until February 13, 2 P. M., bids will be received by State Highway Commission to construct a reinforced concrete bridge at Station 296+75.25, about 5½ miles north of Yreka, consisting of one 200 ft. open spandrel arch span and three 40 ft. girder approach spans.

See call for bids under official proposal section in this issue.

LOS ANGELES, Cal.—Until January 29, 10 A. M., bids will be received by County Supervisors for demolition and removal of existing Fourth Street bridge preparatory to erection of new Fourth Street Viaduct. The proposed bridge will be a reinforced concrete viaduct consisting of a single arch 254 ft. in length over the river and girder and arch approaches, a total length of 2400 lin. ft., with a 600-ft. ramp to Mateo St. It will be 71 ft. wide over all, with two 5-ft. sidewalks, and a 56-ft. roadway. The work will involve: 48,000 cu. yds. class F concrete; 7,000,000 lbs. reinforcing steel; ornamental balustrade and hand rail; special design concrete lighting posts; storm drain in approaches. Bids on wrecking the existing structure were taken some time ago but the contract was never awarded. The low bidders were deWaard & Son. According to latest information, the board of public works will reject these bids. City Attorney E. P. Werner has been ordered by the council to prepare contracts for the division of costs between the railways and the city, the latter to pay 25½ per cent of the cost.

SANTA CRUZ, Santa Cruz Co., Cal.—City council rejects bids to construct reinforced concrete and timber bridge in Market St. over Branciforte Creek, involving 122 cu. yds. excavation; 57 timber piles in place; 127 cu. yds. class A concrete; 12,000 lbs. reinforcing steel in place; 34 M. B. M. timber in place; 2170 sq. ft. roadway wearing surface. Ralph Hunter, Secretary, was low bidder at \$7,024. New bids have been asked, to be opened Jan. 27, 3 P. M. Certified check 10% payable to city required with bid. Bond of 100% of contract price required of successful bidder. Plans obtainable from Roy Fowler, city engineer, on payment of \$5, not to be refunded.

REDWOOD CITY, San Mateo Co., Cal.—Election will be called in April by city council to vote bonds of \$55,000 to finance construction of bridges, storm sewer and several street extensions. Charles L. Dimmitt is city engineer.

PHOENIX, Arizona—Lynch-Cannon Eng. Co., 1027 Chapman Bldg., Los Angeles, submitted low bid to the Arizona highway commission at \$397,608.10 for construction of the Phoenix-Tempe Highway Bridge, P. A. P. 2-B. The work consists of the construction of a bridge, composed of

ten reinforced concrete arches, across the Salt River at Tempe, Ariz. Projects involves: 12,000 cu. yds. excav. (unclassified); 1,800,000 lbs. reinf. steel; 17,400 cu. yds. concrete; 500 cu. yds. sand fill in abutment piers; complete lighting system.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—City Council plans construction of a new bridge to senior high school at Marsh and Ida Sts. Estimated cost \$10,000.

DREDGING, HARBOR WORKS & EXCAVATIONS

STOCKTON, San Joaquin Co., Cal.—According to H. K. Griffin, chairman of the marine committee of the chamber of commerce of Stockton, work will start probably next month on the first unit of the \$6,000,000 deep water ship channel near Stockton. The first contract will probably be awarded in February. The proposed channel will be 26 feet deep, 100 feet wide at the bottom and measure 200 feet across the top and accommodate 85 per cent of the vessels now entering San Francisco harbor. It will follow the course of the Stockton Slough for a distance of 12 miles to the San Joaquin river.

NEWPORT BEACH, Orange Co., Cal.—Standard Dredging Co., Central Bldg., Los Angeles, at \$136,490 awarded contract by city council to construct improvements in connection with harbor development involving 400,000 cu. yds. dredging; 14,100 tons stone in place in rock groyne and removal of approx. 4000 tons rock revetment.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—Until February 17, 3 P. M., bids will be received by Anna Sorensen, Secretary, Turlock Irrigation District, for cement lining of private ditches in Improvement District No. 5. Plans obtainable from R. V. Melkie, chief engineer of the district.

STREET LIGHTING SYSTEMS

TRACY, San Joaquin Co., Cal.—City Engineer E. T. A. Bartlett preparing plans for electroliters with underground system in 11th St. bet. East St. and a point approximately 220 ft. west of Roosevelt Ave., involving 60 standards.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., Feb. 6, bids will be received by city council for the construction of an ornamental lighting system in Highland Ave., between Glenwood Rd. and Kenneth Rd., and portions of Norton Ave. and other streets, involving 32 Lalux single-light concrete standards; 1911 Alt. J. C. Albers is the city engineer. G. E. Chapman, city clerk.

SANTA ROSA, Sonoma Co., Calif.—Until Feb. 12, 12 noon, bids will be received by Geo. P. Sanborn, county clerk, for lighting Monte Rio Lighting District. Bond of \$500 required of successful bidder. Further information obtainable from clerk.

TRACY, San Joaquin Co., Calif.—City Engineer E. T. A. Bartlett preparing plans for installation of electroliters in 11th St. bet. East St. and approx. 200-ft. west of Roosevelt Ave.

SAN JOSE, Santa Clara Co., Cal.—R. Flatland, 1399 Mission St., San Francisco, at \$3184 awarded contract by city council (4953) to install lighting system in Second St., bet. San Salvador and Reed Sts., involv. 20 (San Jose Standards) Duplex electro-liters posts together with underground system. Other bids were: Roy M. Butcher, \$3262; San Jose Paving Co., \$3305; Martin Z. Montgomery, \$3631; Hugo Frank, \$3672; Butte Electric Co., \$3706; H. C. Reid & Co., \$3837; E. E. Burgess, \$9460.

HANFORD, Kings Co., Cal.—R. A. Wattson, Los Angeles, at \$13,994 submitted low bid to city council to install ornamental lighting standards, together with underground system in 7th St. from Harris to Redington St., Dooty St. from 6th to 8th St., Irwin St. from 6th to Court Sts., and 7th St. from Thornton St. to west line of Blocks 110 and 140.

Other bids, all taken under advisement until January 24, follow:
Walker, Martin & Montgomery, 645 N. Calif. St., Stockton.....\$19,025
Sam Fingerhut, Bakersfield.....19,145
E. E. Burgess, San Francisco.....19,445
H. C. Reid & Co., San Francisco.....19,683
Robinson Elec. Co., Fresno.....20,800
R. Flatland, San Francisco.....20,338
Hugo Frank, Hayward.....21,350

LOS ANGELES, Cal.—Until 2 P. M. Feb. 10, bids will be received by the county supervisors to install lighting system in Las Tunas Drive and other streets, Tract 6561, C. I. No. 903, involving 306 Union Metal standards. Est. cost, \$37,589.

MACHINERY AND EQUIPMENT

RICHMOND, Contra Costa Co., Cal.—Until February 1, 10 A. M., bids will be received by W. T. Helms, clerk, Richmond School District, to furnish and deliver one school bus. Further information, together with specifications, are obtainable from clerk.

JACKSON, Amador Co., Calif.—Downs and Sausmon, Jackson, at \$934 (cash) awarded contract by city trustees to furnish motor truck for street department.

Flarelights

light up the job at night
Goggles

BULLARD-DAVIS, Inc.

SAN FRANCISCO LOS ANGELES
275 8th St. 800 W. 11th St.
Market 2322 WEstmore 4179

BAKERSFIELD, Kern Co., Calif.—Until January 27, 5 P. M., bids will be received by V. Van Riper, city clerk, to furnish and deliver one 3-ton dump truck for use of street department and one delivery truck suitable for use in electroliner maintenance in the street department. Certified check 10% required with bid. Further information obtainable from W. D. Clarke, city manager.

RENO, Nevada.—Until February 18, 10 A. M., bids will be received by E. H. Beemer, county clerk, to furnish and deliver two three-ton trucks, closed cab, pneumatic tires (dual in rear), 140-inch wheel base, without body or hoist, standard trucks handled locally. Also to furnish and deliver one 30 caterpillar tractor and one one-ton truck with commercial body, or one-passenger bus with side seats, the same to fold up. Further information obtainable from clerk.

LOS ANGELES, Calif.—Until 10 A. M., Jan. 29, bids will be received by the general manager of the harbor department at room 112, City Hall, Los Angeles, for furnishing a new 3-ton, 6-cylinder truck with an all-metal, convertible, hydraulic dump body. Spec. No. 846. Burt Edwards, general manager.

OAKLAND, Calif.—Until January 27, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, drainage hull and tender pipe. Cert. check 10% required with bid. Plans obtainable from secretary on deposit of \$5, returnable.

LODI, San Joaquin Co., Cal.—Elgin Machinery Co., San Francisco, at \$7,500 awarded contract by city council to furnish motor street sweeper.

RAILROADS

OAKLAND, Cal.—Until February 3, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., to furnish and deliver track material in connection with Ninth Avenue pier at Brooklyn Basin, Inner Harbor. Certified check 10% required with bid. Bond in full amount of contract price required of successful bidder. Specifications obtainable from secretary.

FIRE ALARM SYSTEMS

TUSCON, Ariz.—The Gamewell Co. is assisting City Electrician Lydon Wilson in his survey preparatory to installing a new fire alarm system under the proposed \$25,000 bond issue for that purpose.

OAKLAND, Cal.—Graybar Electric Co., 222 9th St., Oakland, at \$675 awarded contract by city council to furnish 45 traffic electric signal bells.

FIRE EQUIPMENT

SAN MATEO, San Mateo Co., Cal.—American Rubber Co., at \$1.15 ft. awarded contract by city council to furnish 500 ft. 2½-in. fire hose.

BREA, Orange Co., Cal.—Until Feb. 5, bids will be received by the city trustees for two 1½-in. fire hose nozzles. For further information communicate with Fire Chief Carlson.

RESERVOIRS AND DAMS

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., Feb. 6, bids will be received by the city council for the construction of a concrete reservoir in Brand Park, south of Mountain St. and west of Grand View Ave. extended. The proposed reservoir will

have a capacity of 10,500,000 gallons, and be approximately 320x230 ft. by 30 ft. in depth. The approximate quantities are:

Reservoir

33,400 cu. yds. excavation, reservoir; 2000 cu. yds. excavation, road to reservoir; 47,300 cu. yds. embank, reservoir; 500 cu. yds. embank, road to reservoir; 60,000 sq. ft. roof area; 4920 ft. expansion joints, net length; 1272 redwood columns; 1532.9 cu. yds. concrete, lining; 28.3 cu. yds. conc. sump; 107.5 cu. yds. conc. column footings; 224.8 cu. yds. conc. expansion joint footings; 1217.9 cu. yds. expansion, reservoir wall; 110.7 cu. yds. expansion spillway.

Storm Drain

32.10 cu. yds. conc., catch basin; 75.30 cu. yds. conc., cradle; 42.70 cu. yds. conc., blocks.

Outlet

35.30 cu. yds. conc., cradle; 25.60 cu. yds. conc., blocks.

Spillway

14.57 cu. yds. conc., blocks. Plans may be obtained from the office of P. Diederich, Superintendent of Plant and Production, 119 N. Glendale Ave., Glendale, upon deposit of \$5. Cert. check for 10% must accompany bid.

PIPE LINES, WELLS, ETC.

ARBUCKLE, Colusa Co., Calif.—Thebo, Starr and Anderton, engineers, Sharon Bldg., San Francisco, granted franchise by town trustees to install gas distributing system. Coast Counties Gas Co. is behind the franchise holder.

CALIFORNIA—Standard Pacific Gas Lines, Inc., has announced plans to construct a natural gas pipe line from the Kettleman Hills to Richmond, Cal. at a cost of \$8,000,000. The line will be 200 miles in length, of 26-in. average diameter, and a capacity of 138,000,000 cu. ft. of gas per day. The project is to be completed by April 15.

DUNSMUIR, Siskiyou Co., Calif.—Thebo, Starr and Anderton, engineers, Sharon Bldg., San Francisco, seek franchise from city trustees to install gas plant, including laying of mains and storage tanks, the estimated cost of which is placed at \$17,000.

OAKLAND, Cal.—Until Jan. 27, 4:30 P. M., bids will be received by City Port Commission, 424 Oakland Bank Bldg., to fur. and del. 11 pieces, 14-ft. long, steel 22-in. o.d. steel seamless pipe, ¾-in. wall; and 20 castings and joints, high carbon pipe, ½-in. wall. Further information obtainable from above.

SEWERS AND SEWAGE DISPOSAL PLANTS

BURLINGAME, San Mateo Co., Cal.—City declares intention to extend existing sanitary sewer laterals; construct 12-in., 15-in. and 18-in. storm sewers; manholes; lift pavement depressions, etc., in Primrose Ave. 1911 Act. Bond Act 1915. Hearing Feb. 3. J. R. Murphy, city clerk.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., Feb. 6, bids will be received by the city council to construct Bellehurst Hillslope Sewer, under 1911 act, involving: \$294 ft. 8-in. vit. sewer; 24 ft. 8-in. C. I. sewer; 1420 ft. 6-in. vit. sewer; 29 wyes; 53 manholes; 7 junction chambers; one flush tank without flusher; 8 drop manholes; storm drain and catch basin complete. J. C. Albers is the city engineer.

SAN JOSE, Santa Clara Co., Cal.—W. J. Tobin, 527 Santa Roy Ave., Oakland, at \$2300 awarded contract by

city council to construct under Southern Pacific R. R. track at Station 178-60 on the line of San Jose outfall sewer a Port. cement concrete structure upon an Oregon Pine timber cradle. Other bids: John W. Huggins, \$2735; Reisch Improvement Co., \$2900, if city supplies piles and \$3000 for job complete; P. & H. Construction Co., \$3200; O. G. Ritchie, \$4250.

SAN BERNARDINO, Cal.—City Engineer A. H. Lowe has completed plans for the construction of a drainage project in the NW section of the city extending along State St. in Muscogy to Lytle Creek.

REDWOOD CITY, San Mateo Co., Cal.—Election will be held in April by City Council to vote bonds of \$55,000 to finance construction of bridges, storm sewer and several street extensions. Charles L. Dimmitt is city engineer.

LOS ANGELES, Cal.—County Supervisors declare intention to construct sewers in Eastmont Ave., Brady Ave., Allston St., Flint St., et al., C. I. No. 857, for vitrified sewer system, 9.16 miles in length estimated to cost \$13,216. The quantities are: 34,550 ft. 8-in. vit. sewer; 7040 ft. 8-in. sewer with coner. cradle; 2900 ft. 10-in. vit. sewer with concrete cradle; 1540 ft. 12-in. vit. sewer; 2330 ft. 12-in. vit. sewer with concrete cradle; 26,100 ft. 6-in. vit. house sewers; 62 flushing manholes; 79 manholes; 17 drop manholes; 2 double drop manholes; 28 junction chambers; 540 ft. 6-in. vit. chimney pipe; 3960 ft. ¾-in. galv. iron pipe extension to water mains; 2, remove existing inlets in junction chambers of an existing sewer of the county and Trunk 5-15 trunk sewer of San. Dist. No. 2 and from new channels in bases.

PITTSBURG, Contra Costa Co., Cal.—City council plans construction of storm sewer in west Front St., bet. Cutter and West Sts. Roy A. Watkins is city manager.

WATER WORKS

ST. HELENA, Napa Co., Cal.—Until February 11, 8 P. M., bids will be received by E. R. Palmer, town clerk, to furnish cast iron pipe and fittings and laying water mains. Specifications and further information obtainable from clerk.

STOCKTON, San Joaquin Co., Cal.—Until January 27, 5 P. M., bids will be received by M. E. Page, city clerk, to furnish twenty fire hydrants. Cert. check 10% payable to City Auditor required with bid. Specifications on file in office of clerk.

LOS ANGELES, Calif.—An election will be held in the Mar Vista district Feb. 25 to vote on a \$510,000 bond issue to provide for a complete water distributing system. The district has been formed under the Municipal Improvement District laws.

MONROVIA, Los Angeles Co., Cal.—Until 7:30 P. M., Feb. 3, bids will be received by the city council for furnishing the following: One horizontal booster pump capable of pumping 2700 G. P. M. against a total head of 260 feet and one 250 H. P. 4-pole, horizontal motor direct connected to turbine capable of pumping 2700 G. P. M. against a total head of 150 feet and one 150 H. P. 6 pole, vertical motor direct connected to said deep well pump; one switchboard. Certified check or bond, 10%. F. A. Dupar, city clerk.

MOUNTAIN VIEW, Santa Clara Co., Cal.—Until February 5, 7:30 P. M., bids will be received by B. L. Hays, city clerk, to construct water reservoir and pump house and install pressure pump and deep well pump with necessary piping to connect to reservoir and existing distributing system. Separate bids will be received for reservoir and pump house, pumps installed, and for pipe, valves and fittings installed. As an alternate, bids will also be considered for the work complete. Certified check 10% payable to city required with bid. Plans on file in office of clerk and obtainable from C. C. Kennedy, engineer, Call Bldg., San Francisco.

SACRAMENTO, Cal.—City Engineer B. C. Clark recommends construction of an entirely new sedimentation basin for the municipal filtration plant, rather than attempt repairs to the present one.

LAKE & YOLO COUNTIES, Cal.—Martin Judge, Jr., Crocker First National Bank Bldg., San Francisco, has filed application with State Department of Public Works, Division of Water Rights, seeking a permit to store 175,000 acre feet of water in Indian Valley to supply industries on San Pablo and Suisun Bays; also to irrigate 50,000 acres of agricultural land adjacent to Dixon and Fairfield in eastern Solano county. The diversion would be on the north fork of Cache Creek in Indian Valley, Lake County. The total cost of construction is estimated at \$4,000,000 and will provide for a concrete dam 160-ft. in height to form a reservoir covering 6,000 acres of land in Indian Valley. It would be a gravity diversion.

SIERRA, MADERA, Los Angeles Co., Cal.—Until 2:30 P. M., Jan. 27, bids will be received by the city council for trenching, backfilling, laying and installing 49,750 ft. more or less, of lap-welded steel water pipe with hydrants, valves, service connections, fittings and appurtenances in sizes from 5-in. to 16-in., pipe and fittings to be furnished by the city. Plans obtainable from E. A. Green, city clerk. Cert. check or bond, 10%.

LONG BEACH, Los Angeles Co., Cal.—Chicago Bridge & Iron Works, Rialto Bldg., San Francisco, awarded contract by the city at \$6675 to furnish and erect a 100,000-gal. elevated steel water tank and tower at foot of Riverside Drive at the east end of Pier No. 1, Long Beach Harbor.

PASADENA, Los Angeles Co., Cal.—The city directors are discussing means to purify the water from the sewage disposal plant at the city farm in order to use it for cooling towers at the city light plant, for sprinkling the city golf course and city parks. At present, it is released in to the Rio Hondo.

LOS ANGELES, Cal.—Until 2 P. M., Feb. 3, bids will be received by the county supervisors for the construction of a steel tank and tower in County Water Works District No. 1 in accordance with plans on file at the office of the clerk of the board. Miss Mame B. Beatty, 303 Hall of Records.

REDWOOD CITY, San Mateo Co., Cal.—Residents and property owners in Millbrae Villa and Millbrae Highlands request supervisors to start proceedings for formation of a water district. It is proposed to vote bonds to finance construction of a water system. Geo. A. Kneese is county surveyor.

MANTECA, San Joaquin Co., Cal.—Until February 3, 8 P. M., bids will be received by E. H. Jeffries, city clerk, to furnish and deliver:

600 ft. Class B sand cast, class 150 Mono cast or Class 150 De Lavaud 6-inch bell and spigot end cast iron pipe;

1500 ft. Class B sand cast, Class 150, or Class 150 De Lavaud, 8-inch bell and spigot end cast iron pipe;

Prealkaloid joint pipe and fittings will be considered.

Two 6-inch bell end Class C cast iron tees;

Two 6-inch Class B cast iron plugs;

Two 8-inch Class B cast iron wye branches;

Three 8-inch Class B cast iron tees;

Three 8-inch to 4-inch Class B, cast iron tapered reducers;

Two 8-inch to 6-inch Class B, cast iron plugs;

One 8-inch Class B cast iron, all bell cross;

One 8-inch Class B cast iron 45 deg. bend.

All to be f. o. b. Manteca.

Certified check 10% payable to city required with bid.

FORT McDOWELL, Calif.—Preliminary surveys have been completed by the Constructing Quartermaster, Fort Mason, San Francisco, for a 6-in. pipe line from Tiburon, Marin county to Angel Island and a 8-in. pipe line from Fort Mason to Alcatraz Island in connection with a fresh water supply system. The cost is estimated at \$300,000.

SAN FRANCISCO.—Bids will be asked shortly by Constructing Quartermaster, Fort Mason, to furnish and install pumps and motors and repair present water mains. Pumping capacity 100 gals. per min.

TUCSON, Ariz.—Black & Veatch, consulting engineers, have been retained by the city council to make a survey of the water supply for the city of Tucson. N. T. Veatch, senior member of the firm, is in charge of the survey.

PLAYGROUNDS & PARKS

BAKERSFIELD, Kern Co., Cal.—Bids will be asked at once by V. Van Ripe, City Clerk, to construct new tennis courts and backstops at Castro Park in West Eighteenth Street. City park budget provides a \$1,000 appropriation for this work. Plans on file in office of the clerk.

STREETS AND HIGHWAYS

SAN JOSE, Santa Clara Co., Cal.—City declares intentin (4986) to improve 19th Street, between St. James and Washington streets, involving 1½ in. asphalt concrete surface paving on

3-inch asphaltic concrete base; cem. concrete curbs and gutters, walks; vit. pipe house lateral sewers; 3 cem. concrete storm water inlets. 1911 Act. Hearing Feb. 3. John J. Lynch, city clerk. Wm. Popp, city engineer.

REDWOOD CITY, San Mateo Co., Cal.—Election will be called in April by city council to vote bonds of \$35,000 to finance construction of bridges, storm sewer and several street extensions. Charles L. Dimmitt is city engineer.

OAKLAND, Cal.—Hutchinson Co., 1450 Harrison St., Oakland, awarded contract by city council to sewer various streets in Country Club Manor, involving 12-in. vitrified pipe sewer, \$3.50 ft.; 15-in. do, \$3.50 ft.; 18 in. do, \$4 ft.; 21-in. do, \$5.80 ft.; 24-in. do, \$5.25 ft.; 24-in. c. i. sewer includ. timber trestle and concrete piers, \$7 ft.; manholes, \$200 each; lampholes, \$50 each; wye branches, \$4.60 each.

SALINAS, Monterey Co., Cal.—W. A. Dontanville, Salinas, at \$34,966.90 awarded contract by city council (82) to improve California St. bet. Willow St. and south city limits, involv. grade; 5-in. hyd. cement conc. pave; hyd. cement concrete curbs, walks. Other bids were: Granite Construction Co., Watsonville, \$35,429.92; A. J. Raich, San Francisco, \$37,733.37; Peninsula Paving Co. San Francisco, \$40,138.02.

SALINAS, Monterey Co., Cal.—W. A. Dontanville, Salinas, at \$15,963.74 awarded contract by city council (83) to imp. portions of Villa Park St. Homestead Ave., etc., involving grade; 5-in. hyd. conc. pave; hyd. conc. curbs, walks. Other bids were: Granite Construction Co., Watsonville, \$16,698.04; A. J. Raich, San Francisco, \$17,833.36; Peninsula Paving Co., San Francisco, \$18,273.26.

SAN LEANDRO, Alameda Co., Cal. Estimates submitted to city council place cost of proposed extension of Bancroft Ave. from city limits to East Fourteenth street at \$40,000.

SALINAS, Monterey Co., Cal.—City council starts proceedings to widen and repave Lincoln Ave. from Clay St. to Avenue B and widening and repaving Avenue B from Lincoln Ave. to South Main St. Howard Cozzens is city engineer.

SEBASTOPOL, Sonoma Co., Cal.—City declares intention (154-A) to improve High St. bet. Calder and Maple Ave., etc., involving grading; 5-inch concrete pave. 1911 Act. Bond Act 1915. Hearing Feb. 3. F. G. McFarlane, city clerk.

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SAN FRANCISCO

CALISTOGA, Napa Co., Cal.—Town trustees will start proceedings to improve Pope St. from r.r. tracks to Allison Ave.; Spring St. bet. Oak and Allyn Aves., Adams St. from Stockton St. to Allyn Ave., Madrona Ave. from Ward to Scott Aves., and Oak Ave. from Adams St. to Spring St.

ORLAND, Glenn Co., Calif.—Until Feb. 3, 8 P. M., bids will be received by E. W. Parkin, town clerk, to construct curbs and sidewalks in portions of York St. Cert. check 10% payable to town required with bid. Spec. on file in office of clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—City council declares intention (454-C) to improve portion of Main street involving cement concrete pavement, walks, curbs, 1911 Act. Hearing Feb. 3. S. A. Evans, city clerk. Roy Fowler, city engineer.

OAKLAND, Cal.—City council has started proceedings to improve East Twelfth street between First and Thirteenth Aves., involving widening and paving and installation of street lighting system. Estimated cost \$65,000. George N. Randle, city engineer.

OAKLAND, Cal.—Until January 30, 12 noon, bids will be received by Frank C. Merritt, city clerk, to improve portions of Sunnyside street involving grade; curbs; gutters; pave; sidewalks; conduits. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Geo. N. Randle, city engineer.

OAKLAND, Cal.—Until January 30, 12 noon, bids will be received by Frank C. Merritt, city clerk, to construct cement sidewalks in portions of 25th Ave., Livingston St., etc. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Geo. N. Randle, city engineer.

MANHATTAN BEACH, Los Angeles Co., Cal.—City plans to improve Sepulveda Blvd. (El Camino Real). The improvement will be about two miles in length, involving approximately 600,000 sq. ft. of 6-in. asphaltic concrete base with 2-in. asphaltic concrete wearing surface with curbs 74 ft. apart, with 2-ft. gutters. Plans were prepared by L. C. Lull, city engineer, 1127 West Washington Blvd., Los Angeles.

SAN FRANCISCO—Until Feb. 5, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve 28th Ave. bet. Moraga and Noriega Sts., and 31st Ave. bet. Judah and Kirkham Streets (where not), involving concrete curbs and side sewers; 6-in. conc. base, 1½-in.

asph. conc. surface pavement. Est. cost \$2800. Certified check 10% payable to Clerk of Board of Supervisors required with bid. Specifications obtainable from Bureau of Engineering, 3rd floor, City Hall.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Fay Improvement Co., Phelan Bldg., San Francisco, at \$51,082.70 awarded contract by city trustees (83) to improve portion of Linden Avenue bet. Railroad and San Bruno Aves., involy. grade; hyd. cem. conc. curbs, gutters, walks; 6-in. hyd. cem. conc. base, 2-in. asph. concrete surface pavement; storm water sewers with catchbasins; 86 electrolers of hollow-spun granite Vestinghouse Belmont design) together with underground system; vit. san. sewer; 7 br. manholes; 22 4-in. vit. pipe laterals with wyes.

SAN JOSE, Santa Clara Co., Cal.—Until January 27, 8 P. M., bids will be received by John J. Lynch, city clerk, (4965) to improve portions of Waco St. bet. Hamline and Newhall Sts., involy. grade; 1½-in. asph. concrete surface pave. or 2½-inch asph. conc. base; cem. conc. curb and gutter; san. brick manhole. 1911 Act. Cert. check 10% payable to city req. with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

SAN FRANCISCO—Bureau of Engineering, Department of Public Wks. completes plans to improve Palou Avenue between Griffith and Hawes Sts. Involving 1,200 lin. ft. armored concrete curb; 1,000 lin. ft. 6-in. side sewers; 70,000 sq. ft. asph. conc. pave, 6-in. class F conc. base and 2-in. asph. conc. wearing surface. Estimated cost \$9,750.

LOS ANGELES COUNTY, Cal.—Until February 13, 2 P. M., bids will be received by State Highway Commission to grade 7.1 miles between Calcraft School and Canton Creek.

See call for bids under official proposal section in this issue.

SAN FRANCISCO—Bureau of Engineering, Department of Public Wks. completes plans to improve Shields St. bet. Arch and Ramsell Sts. and Arch St. bet. Garfield and Shields Sts., involy. 100 lin. ft. armored concrete curb; 60 lin. ft. 6-in. iron-store pipe sewer; 1125 sq. ft. concrete pavement; 362 sq. ft. asphalt concrete pavement, comprising a 6-in. concrete base with a 1½-inch asphalt concrete wearing surface. Estimated cost \$10,000.

SAN FRANCISCO—Until Feb. 5, 2:30 P. M., bids will be received by Board of Public Works to construct 15th St. sewer, Section A from Harrison St. to Howard St. Estimated

cost \$70,000. Funds will be provided from the Sewer Bond Issue. Project will involve approx. 940 ft. 6-ft. 6-in. by 8-ft. 6-in. reinf. conc. sewer; 230 ft. 6-ft. reinf. conc. circular sewer; 28,000 sq. ft. wood piling. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

BURBANK, Los Angeles Co., Cal.—Until 7:30 P. M., Feb. 25, bids will be received by the city council for improving the west half of Riverside Drive, bet. Taft Ave. and Catalina St., involy. 556.67 ft. curb; 131,724.98 sq. ft. 4-in. asph. conc. pavement; 131,724.98 sq. ft. 2-in. asph. conc. wearing surface; 330,559.23 sq. ft. grading; water mains.

Separate bids will be received on the same date to improve east half of Riverside Drive bet. west line of block 67 and the east city limits, involy. 5477.21 ft. curb; 159,949.54 sq. ft. 4-in. asph. conc. pavement; 159,949.54 sq. ft. 2-in. asph. conc. wearing surface; 468,344.12 sq. ft. grading; water mains; 110 ft. 54-in. corrug. iron pipe, 12-ga.; 7.48 cu. yds. headwalls. H. L. Stites is the city engineer.

COMPTON, Los Angeles Co., Cal.—City plans to pave streets west of Compton Ave., between Compton Ave. and the west city limits, involy. 440,000 sq. ft. grading; 301,144 sq. ft. 5-in. conc. paving; 6215 ft. 6-in. cast iron water mains; 9310 ft. 4-in. cast iron water mains; 4390 ft. 1-in. copper services; 36 manholes to be lowered; 48 ft. curb; 25 sq. ft. walk. 1911 Act. Glen Rood is the city engineer.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes plans to improve crossing of Head and Shields Sts., involy. 10 cu. yds. cut; 50 cu. yds. fill; 83 lin. ft. armored concrete curb; 474 sq. ft. 1-course concrete sidewalks; two brick catchbasins; 50 lin. ft. 10-in. v. c. p. culverts; 30 lin. ft. 8-in. and 25 lin. ft. 12-in. v. c. p. sewer; 1 brick manhole; 2426 sq. ft. asphalt concrete pavement, 2-inch asphalt concrete surface, 6-inch Class F concrete base. Estimated cost \$2500.

SAN FRANCISCO—Bureau of Engineering, Department of Public Wks. completes plans to improve 12th Ave. bet. Moraga and Noriega Sts.; 29th Ave. bet. Moraga and Pacheco Sts.; 41st and 42nd Aves. bet. Moraga and Noriega Sts.; 46th Ave. bet. Ortega and Pacheco and Moraga St. bet. 30th and 31st Aves., involy. 1,000 lin. ft. armored concrete curb; 635 lin. ft. 6-inch ironstone pipe side sewers; 500 sq. ft. concrete pavement; 200 sq. ft. concrete gutters, 2-in. width; 21,800 sq. ft. asph. concrete pavement, consisting of a 6-in. concrete base, 1½-in. asphalt concrete surface. Est. cost \$11,000.

SAN FRANCISCO—Bureau of Engineering, Department of Public Wks. completes plans to improve 26th Ave. bet. Ortega and Pacheco Sts., 41st Ave. and 44th Ave. bet. Noriega and Ortega Sts. and Ortega St. bet. 42nd and 43rd and bet. 43rd and 44th Aves., involy. 595 lin. ft. armored concrete curb; 425 lin. ft. 6-in. ironstone pipe side sewers; 12,338 sq. ft. asphalt concrete pavement, consisting of 6-inch concrete base, 1½-in. asphalt concrete surface. Estimated cost \$6,000.

NATIONAL CITY, San Diego Co., Cal.—Until 8 P. M., Feb. 4, bids will be received by city council to improve S Ave., between 16th and 30th streets, and portions of 16th and other streets, involy. grading and concrete pavement, involy. about 96,556 sq. ft. pavement. 1911 Act. O. A. Mullen, city clerk.

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SANTA ROSA, Sonoma Co., Cal.—Until February 11, 12 noon, (to be opened at 1:30 P. M.) bids will be received by Geo. F. Sanborn, county clerk, to pave Petaluma-Point Reyes Road, Section A, from Station 90+00 to county line in 2nd Supervisorial District, involving 2800 cu. yds. Class A concrete paving; 5000 cu. yds. unclassified excavation; haul and place 100 ft. 12-in. and 100 ft. 15-inch corrugated pipe. Plans obtainable from county clerk on deposit of \$10, returnable.

SACRAMENTO, Cal.—City council declares intention (2293) to improve alley bet. U and V, 25th and 26th Sts., involving c. l. drains with vit. sewer connections; construct vit. sewers; reconstr. manhole; grade; 1-inch water main connections; hyd. concrete paving. 1911 Act. Bond Act 1915. Hearing Feb. 6. H. G. Denton, city clerk. B. C. Clark, city engineer.

SAN RAFAEL, Marin Co., Cal.—J. B. Phitt, Santa Rosa, Cal., commissioned by county supervisors to prepare plans to improve streets in "The Cascades." Falrfox, property owners having petitioned for the work which will involve paving from curb to curb of lower sections Cascade, Hickory and Redwood roads, a 20-ft. wide strip on the Cascade Drive in the upper section and 16-ft. wide pavement in Laurel, Madrone and Maple avenues; estimated cost, \$30,000.

SAN FRANCISCO.—Until Feb. 5, 2:30 P. M., bids will be received by Board of Public Works to improve: Kirkham St. bet. 16th and 17th Aves., involving conc. curbs; 12-in. ironstone pipe sewer with wyse and side sewers; 6-in. conc. base, 1½-in. asphalt concrete surface pave. Est. cost \$4,000.

Castro St. from pavement in 29th St. to 30th St. and 30th St. east to pavement in 20th St., involving grading; construct reinforced concrete stairways with 2 pipe railing, reinf. concrete wall; curbs, fence, gutters and coping; ironstone sewers with manholes, wyse branches and side sewers; brick catchbasins; gutter sump and storm water inlets and at 29th, Day and 30th Sts., by construction of red warning lights and reflectors; 6-in. conc. base pavement with 1½-in. asph. conc. surface; and a concrete pavement and art. stone sidewalks. Est. cost, \$14,800.

Uncompleted portion of Rivera St. bet. 32nd and 33rd Aves., and uncompleted portions of 29th Ave. bet. Quintara and Rivera Sts., involving conc. curbs; side sewers; 7-ft. concrete strip in center with 6-in. conc. base pave. and 1½-in. asph. conc. surface on both sides. Est. cost \$2,000.

Capitol Ave. bet. Lakeview Ave. and Thrift St., including crossings of Lakeview Ave. and Thrift St., involving grade; concrete curb; walks; br catchbasins; 6-in. vit. clay pipe side sewers; conc. pavement and light traffic conc. base pave. with 2-in. asph. concrete surface. Est. cost \$2,600.

Waterville St. bet. Silver Ave. and Augusta St., etc., involving concrete curbs; side sewers; br. catchbasins; art. stone walks; 6-in. conc. base pave. 1½-in. asph. conc. surface. Est. cost \$2,400.

Certified check 10% payable to Clerk of Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

LOS ANGELES CO., Cal.—Wm. F. Peck Co., 1120 N. Las Palmas Ave., Los Angeles, at \$69,953 awarded contract by State Highway Commission to grade and pave with concrete 1.2 miles at Liberty Grade, five miles west of Calabasas.

SANTA MARIA, Santa Barbara Co., Cal.—Until 7:30 P. M., Feb. 3, bids will be received by the Santa Maria School District Trustees for paving the south side of Feister St., between Thornburg and Curryer Sts. Plans obtainable from City Engineer Peterson, Room 8, Santa Maria Theatre Bldg. M. M. Purkiss, Box 97, Santa Maria, is the clerk.

RIVERSIDE COUNTY, Calif.—Following bids received Jan. 23 by State Highway Commission to pave with Portland cement concrete 0.5 mile at Wineville:
Matich Bros., Elsinore.....\$42,592
Geo. Herz & Co., San Bernardino.....\$3,687

LOS ANGELES COUNTY, Calif.—Following three low bids received Jan. 22 by State Highway Commission to grade 1.5 miles between two and one-half and four miles northerly from La Canada:
T. M. Morgan Paving Co., Los Angeles.....\$272,790
H. W. Rohl Co., Los Angeles.....275,177
M. S. Ross, Los Angeles.....290,652

SAN FRANCISCO.—Bureau of Engineering, Department of Public Wks., completes plans to improve Intersection of Lakeview Ave. with Lee and Summit Aves., involving 100 cu. yds. cut; 82 lin. ft. armored concrete curb; 40 lin. ft. 8-in. V. C. P. sewer; 1 brick manhole and appurtenances; 468 sq. ft. 1-course concrete sidewalk; 2,350 sq. ft. asphalt concrete pavement, consisting of 6-in. class C concrete base, 2-in. asph. conc. surface. Estimated cost \$1,100.

SANTA CRUZ, Santa Cruz Co., Cal.—Thompson Bros., Santa Cruz, at \$7,171.44 awarded contract by city council (453-C) to improve portions of Easterly Ave. and Sherman St., involving cem. conc. pavement; cement conc. sidewalks, driveway approaches; vit. clay pipe sewer laterals; wrought iron pipe water service. W. E. Miller, Santa Cruz, \$9,093.40 only other bidder. Estimate of City Engineer Roy Fowler, \$7,125.40.

LOS ANGELES, Cal.—Lewis Constr. Co., 300 S. Juanita Ave., Los Angeles, awarded contract by the county supervisors at \$97,923.50 to improve Topeka Canyon Road between the summit and a point 15,408 ft. south, or 2.9 miles, involving: 334,423 cu. yds. excav.; 3290 ft. wire link highway guard fence; 7-in. to 15-in. corr. pipe.

SAN FRANCISCO.—Until February 5, 2 P. M., bids will be received by State Harbor Commission, Ferry Bldg. for paving Cider No. 48. Project involves 172,900 sq. ft. 1½-in. Topeka surface and 64,300 sq. ft. 1½-in. Topeka surface and 35,600 sq. ft. 2-in. Topeka surface on 2-in. binder. Plans obtainable from Frank G. White, chief engineer of commission, Ferry Bldg.

IMPERIAL COUNTY, Cal.—Following three low bids received Jan. 22 by State Highway Commission to grade and pave with Portland cement concrete 9.0 miles between El Centro and Holtville:
A. M. Peck Co., Los Angeles.....\$264,955
Sander Pearson, Santa Monica 285,506
Balsch Bros. Con. Co., L. A. 266,331

KERN COUNTY, Cal.—Following three low bids rec. Jan. 22 by State Highway Commission to grade and surface with oil treated crushed gravel or stone, 9.7 miles between San Emigdio and Route Four:
V. R. Dennis Constr. Co., San Diego.....\$126,455
Tieslau Bros., Berkeley.....127,439
G. W. Ellis, Glendale.....130,943

NATIONAL CITY, San Diego Co., Cal.—Until 8 P. M., Feb. 4, bids will prove D Ave., between 18th and 30th streets, and portions of 16th and other streets, involving grading and paving with asphaltic concrete pavement, in- be received by city trustees to im- volving approximately 96,856 sq. ft. pavement; 1911 Act. O. A. Mullen, city clerk.

RIVERSIDE COUNTY, Cal.—Engineer A. C. Fulmor, Riverside, estimates cost of Ortega Highway at \$250,000 of which the State Highway Commission share portion of cost on that unit between Riverside and Orange counties. The route will start a Lake Elsinore and terminate at San Juan Capistrano.

STAINLESS STEEL ALLOY NOW IN QUANTITY PRODUCTION

The problem of inaccessible and exposed metal parts of buildings has been solved by the development of a new stainless steel alloy which is now entering quantity production. This is announced by F. J. Griffiths, chairman of the Central Alloy Steel Corp. of Massillon, O., and designated head of the research company of the Republic Steel Corp., the new \$350,000, 000 midwest steel merger, of which Central Alloy is to be a part.

The new alloy, known as Nirosta Steel, was discovered in the Krupp laboratories in Germany. It is being produced and developed for mass production under license from Krupp by Central Alloy and a few other American companies.

"The stainless steel may be made with a dull finish which will not corrode and will last as long as the building, requiring no further attention," Griffiths says. "It will represent a substantial economy in cornices, flagpoles, window frames and other places the painting and preservation of which now entail a considerable amount of risk and expense."

"Laboratory tests have shown it resistant to air, water, and acids at high temperatures and pressures. The stainless quality is integral and not merely a surfacing. Therefore, wear will not affect it."

"We are told that a sportsman on the Pacific Coast is now having a yacht built with a hull of the material. It is so smooth as to be virtually immune to barnacles, while the salt spray test, regarded as the most destructive to any metal surface, has no effect upon it whatever. Building parts of this material require no painting and no maintenance work on the surface."

"In addition to the building industry, an important market for this alloy is the automobile industry, where it is to be used for radiator shells and other bright parts of motor cars."

CEMENT AND ROCK FIRMS MERGE IN LOS ANGELES

Amalgamation of three cement and rock companies, Gordon Harrison, Russell, Inc., Sawyer-Hassett Company and R. B. Willard Company, is revealed by the State Corporation Commission. The three companies all have plants located in Los Angeles. The new company, Allied Rock & Materials Company, has an authorized capitalization of \$1,000,000 of \$10 par value stock and has been permitted to issue 61,092 shares. The company has also been permitted to issue \$250,000 in bonds. According to Earle M. Daniels, a director of the company, all of the stock has been purchased. Other directors include C. W. Russell, Ray W. Hassett, R. B. Willard, Perry E. Sawyer, Thomas Gordon and George W. Harrison.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

58	Hale	Young	3000
59	Lafayette	Mullen	6000
64	Board of Missions	Johnson	10000
65	Ray	Hayes	5000
56	Western	Thollander	3500
57	White	Owner	4000
60	Addelstein	Sommerolo	2000
61	Colton	Industrial	7000
62	Vasquez	Owner	3000
63	Stevenson	Casty	4000
64	Allsebrook	Owner	4000
6*	America	Siegrist	1975
66	Blum	Owner	3500
67	Jacobs	Hamill	4500
63	Johnson	Owner	3900
69	Hartman	Owner	1500
70	Holding	Owner	3000
71	Morris	Owner	10000
72	Bender	Owner	8000
73	Dolan	Owner	3000
74	Fashion	Steinberg	2500
75	Hallgren	Owner	4000
76	Liebman	Barrett	2000
77	Moreci	Allison	3900
78	Horse Show Assn	Peterson	16000
79	Turner	Martin	1550

CHURCH

(54) W POWELL 68 N Washington; one-story frame church building. Owner—Board of Missions of Methodist Episcopal Church, South. Architect—A. W. Smith, American B'k Bldg., Oakland. Contractor—A. G. Johnson, 4652 Dolores Ave., Oakland. \$10,000

STORE

(55) N McALLISTER 27 W Webster St.; one-story and mezzanine class C store. Owner—Gee Pay. Architect—None. Contractor—Dan Hayes, 22 Brady St. \$5000

ALTERATIONS

(56) SW COR. MASON & SUTTER; alterations for offices. Owner—Western Women's Club, S. F. County Nurses' Assn. Architect—None. Contractor—Thollander Const. Co., 749 Bryant St. \$3500

ALTERATIONS

(57) POST ST. & GRANT AVE.; alterations to basement to enlarge floor space. Owner—The White House, Post St. & Grant Ave. Architect—Ostlund and Johnson, 1901 Bryant St. \$4000

ALTERATIONS

(58) 2554 MISSION ST.; alterations to store front. Owner—Hale Bros., Inc., 5th and Market Sts. Plans by Grand Rapids Design Service, Portland, Ore. Contractor—Young & Horstmeier, 461 Market St. \$3000

ALTERATIONS

(59) 152 SUTTER ST.; new front, alter mezzanine, leveling floors. Owner—Lafayette Bank, 164 Sutter Street. Designer—N. B. Mears, 60 Rausch St. Contractor—Mullen Manufacturing Co. 60 Rausch St. \$6000

ALTERATIONS

(60) 1640 FILLMORE ST.; alterations to replace south wall with 13-in. brick wall. Owner—S. Addelstein, 901 Bryant St. Architect—J. Reid, Jr., Financial Center Bldg. Contractor—L. M. Sommerolo, 901 Bryant St. \$2000

SHOP BLDG.

(61) SW COR. VALLEJO and Cowell Place; one-story and part 2-story concrete shop building. Owner—L. A. Colton, care Architect. Architect—W. D. Peugh, 315 Montgomery St. Contractor—Industrial Const. Co., 815 Bryant St. \$7000

DWELLING

(62) S VALLEY 155 W Noe; one-story and basement frame dwelling. Owner—R. Vasquez, 433 Valley. Plans by Owner. \$3000

DWELLING

(63) W HAMILTON 50 N Wayland; one-story and basement frame dwelling. Owner—L. Stevenson, 1242 Glard. Architect—None. Contractor—J. Casty & Son, 666 Mission St. \$4000

DWELLING

(64) NW ARAGO 234 SW Paulding; one-story and basement frame dwelling. Owner—E. Allsebrook, 1127 Munch St. Plans by Owner. \$4000

ALTERATIONS

(65) 164 SUTTER ST.; alterations for vault. Owner—Bank of America, 164 Sutter. Plans by Hermann Safe Co., Howard and Main Sts. Contractor—F. R. Siegrist, 604 Mission St. \$1975

DWELLING

(66) SW SOMERSET 100 SE Felton; one-story and basement frame dwelling. Owner—J. Blum, 212 Silliman. Architect—None. \$3500

DWELLING

(67) W ARGUELLO BLVD. 150 S Geary; one-story and basement frame dwelling. Owner—E. E. Jacobs, 6140 Geary St. Architect—None. Contractor—T. Hamill, 6140 Geary St. \$4600

DWELLING

(68) E 26th AVE. 150 S Ulloa; one-story and basement frame dwelling. Owner—N. E. Johansson, 270 Monterey Blvd. Architect—None. \$3900

ALTERATIONS

(69) 1107 RHODE ISLAND ST.; alterations to dwelling and apt. Owner—H. Hartman, 104 Clipper St. Architect—None. \$1500

DWELLING

(70) N JUDSON 150 W Forester; 1-story and basement frame dwelling. Owner—G. Holding, 836 Eddy St. Architect—None. \$3000

DWELLINGS

(71) W WESTGATE 200 N Upland; two 1-story and basement frame dwellings. Owner—G. W. Morris, 95 Pinehurst Way. Plans by D. E. Jaekle, 744 Call Bldg. each \$5000

ALTERATIONS

(72) SW COR. O'FARRELL ST. & Broderick; alterations to apartments. Owners—E. W. and A. M. Bender, 2233 O'Farrell St. Architect—None. \$8,000

DWELLING

(73) E 14th AVE 76 S Rivera; one-story and basement frame dwelling. Owner—N. Dolan, 353 Rivera. Architect—None. \$3000

ALTERATIONS

(74) 49 STOCKTON ST.; alterations to store front and remove mezzanine floor. Owner—The Fashion Bootery, Inc., 1356 Washington St., Oakland. Architect—None. Contractor—N. Steinberg, 3226 Winter St., Los Angeles. \$2500

DWELLING

(75) E 21st AVE. 125 N Lawton; one-story and basement frame dwelling. Owner—A. Hallgren, 1594 29th Ave. Architect—None. \$4000

ALTERATIONS

(76) SE COR. POST & GOUGH Sts.; alterations to garage. Owner—M. Liebman, 216 Pine St. Architect—None. Contractor—Barrett & Hill, 818 Harrison St. \$2000

DWELLING

(77) W FOLSOM 200 N Stoneman; one-story and basement frame dwelling. Owner—A. Moreci, 3623 Folsom St. Architect—None. Contractor—Allison & Beck, 410 Eddy Street. \$3900

TEMPORARY SEATING, ETC.

(78) MISSION ST. and Julian Ave. bet. 14th and 15th Sts.; temporary seating, stables and sidewalk covering. Owner—San Francisco National Horse Show Assn., Hotel Whitcomb. Architect—None. Contractor—J. B. Petersen, 350 Hayes Street. \$16,000

Capital City Title
Company
J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

(79) 330 TEHANA ST.; corrugated
iron shed.
Owner—The Turner Co., 320 Tehama.
Architect—None.
Contractor—W. Martin, 666 Mission.
\$1650

SAN FRANCISCO COUNTY

13	Heung	Slegrist	8563
13	Poy	Hayes	7600
14	Sommer	Travertine	2693
15	Same	Boyd	6408
16	Hale	Young	5200
17	Stevenson	Casty	4687
18	Guaranty	Hanser	15500
19	Chow	Sartorio	15539
20	Chow	Klilmam	4461
21	Metropolitan	Knowles	18758
22	Lindeman	Lindeman	55000
23	Green	Siri	8400
24	Mored	Beck	4350
25	Schmidt	Western	2194
26	Same	Fire	1695
27	Same	Cohn	1730
28	West	O'Leary	700

(13) N McALLISTER 37-6 W Webster W 25 x N 85; all work on 1 story and mezzanine floor for class C concrete building.
Owner—Gee Poy.
Architect—None.
Contractor—Daniel Hayes, 22 Brady.
Filed Jan. 17, 1920. Dated Jan. 15, 1920.
Note for \$7600 secured by deed of trust on premises.

TOTAL COST, \$7600
Bond, \$7600. Sureties, United States
Fidelity & Guaranty Co. Plans and
Spec. filed.

(14) S. ELLIS 163-1 E Powell St. E
113 S 92-6 SW 61-6% NW 108 N
40-9% to beg.; travertine work for
store building No. 1.
Owner—Sommer & Kaufmann, Inc.
Architect—A. F. Roller and Kem
Weber, Inc. (Ltd.), Crocker First
National Bank Bldg.
Contractor—P. Grassi & Co. Traver-
tine Works, Inc., 1945 San Bruno
Avenue.

Filed Jan. 17, 1930. Dated Dec. 18, 1929.

Tenth of each month.....	75%
Usual 35 days.....	25%
TOTAL COST, \$2639	

Bond, \$1349.50. Sureties, Hartford Accident & Indemnity Co. Limit, Feb. 1, 1930. Plans and Spec. filed.

Contractor—W. J. Boyd as Boyd
Lighting Fixture Co., 278 Post St.
Filed Jan. 17, '30. Dated Dec. 27, '29.

When material 50% made in shop	25%
When material delivered.....	25%
When material installed.....	25%
Usual 35 days.....	25%

TOTAL COST, \$6408
Bond, \$3204. Sureties, Fidelity & Deposit Co. Limit, Feb. 24, 1930. Plans and Spec. filed.

(16) 2554 MISSION ST.; alteration to store.
Owner—Hale Bros. Stores, Inc., 5th and Market Sts.
Architect—None.
Contractor—Young & Horstmeyer, 461 Market St.
Filed Jan. 18, '30. Dated Jan. 16, '30.
Payments Not Given.

TOTAL COST, \$5,200
Bond, \$5200. Sureties, Hartford Accl-
dent & Indemnity Co.

(17) W HAMILTON ST. 50 N Wayland St.; all work on 1-story and basement frame dwelling.

Owner—I. Stevenson, 1242 Girard St.
Architect—None.
Contractor—John Casty & Son, 666
Mission St.
Filed Jan. 18, '30. Dated Jan. 15, '30.

Roof on	\$1171
Brown coated	1171
Completed	1174
Usual 35 days.....	1171
TOTAL COST,	\$4687

Plans and Spec. filed.

(18) INTER S 19th St. and Clover Lane S 107-6 E 105 N to S 19th St. W 55; Cong E Clover Lane 182-6 S 19th St. S 25 E 121 NW and N 34-2 W 105; general construction on five houses.
Owner—Guaranty Bldg. & Loan Assn., 70 Post St.
Architect—R. W. Jeans, 605 Market.
Contractor—F. L. Hansen, 637 Minna.
Filed Jan. 20, '30. Dated Jan. 14, '30.
Feb. 1, 75% of value of work done.
On completion 75% of value of work completed.
Usual 35 days, 25% of contract price.
TOTAL COST, \$15,500
Bond, \$15,500. Sureties, Geo. Frankel and T. E. Ambrose. Limit, 60 days.
Plans and Spec. filed.

(19) S SACRAMENTO ST. 154-0 W
Kearny St. th alq Sacramento 23x
S 137-6; alterations to building.
Owner—Kwong Chong Assn.
Architect—F. W. Dakin, 625 Market St.
Contractor—P. Sartorio, 2440 Green-
wich St.

Filed Jan. 20, '30. Dated Dec. 10, '29.

Roof rafters sheathed.....	\$2900
Lathing done.....	2900
Plastering done.....	2900
Completed.....	2950
Usual 25 days.....	3889

TOTAL COST, \$15,539
Bond, \$7770. Sureties, C. Grurdherir
and S. Gollini. Forfeit, \$10 per day.
Limit, 80 days. Plans and Spec. filed.

above.
Contractor—F. J. Klimm Co., 456 Ellis St.
Filed Jan. 20, '30. Dated Dec. 10, '29.
Rough in\$1673
Completed 1673
Usual 35 days..... 1115
TOTAL COST, \$4461
Forfecl, \$10 per day. Limit, 80 days.
Plans and Spec. filed.

(21) 600 STOCKTON ST. corner Pine and Stockton; plastering work on building.

Owner—Metropolitan Life Insurance Co., New York City.

Architects—J. R. Miller, and T. L. Pfueger, 580 Market St.

Contractor—A. Knowles, Cal Bldg. Filed Jan. 20, '30. Dated Nov. 28, '29.

First payment	75%
Usual 35 days	25%
TOTAL COST, \$18,758	

Bond, \$3379. Sureties, U. S. Guar-antee Co. Limit, April 1, 1930. Plans and Spec. filed.

(22) E PARKER AVE. 613-6 N Euclid N 53 x E 106; all work on 3-story and basement frame apartment house.

Owner—H. O. Lindeman, 619 27th Ave.
Architect—None.

Contractor—W. R. Lindeman, 829 44th Avenue.

Filed Jan. 21, 1930. Dated Nov. 9, 1929

Frame up	\$13,750
Rough plastered	13,750
Completed	13,750
Usual 35 days	13,750
TOTAL COST, \$55,000	

Limit, 90 days. Plans and Spec. filed.

(23) NW COR. SAN BRUNO AND
Sunnyvale Aves., 75x100, bldg. 26x
100; electrical and plumbing work.
Owner—A. I. O'Brien.
Plans by H. W. Eott.
Contractor—Siri & Bott.
Filed Jan. 22, 1930. Dated Jan. 14, 1930

Forms in place.....	\$2350
RooF on	2350
Completed	2350
Usual 35 days	2350
TOTAL COST, \$9400	
Forfeit, \$10 per day. Limit, 120 days.	

(24) W FOLSON ST, 200 N Stone-
man St, N 50 x W 80; all work on
5-room and garage frame struc-
ture.
Owners—Antonino and Antonia Mo-
reci.
Architect—None.
Contractor—John Beck and Ray All-
son.
Filed Jan. 22, '30. Dated Jan. 21, '30.
Room or

Brown coated	\$125
Completed	1075
Usual 35 days	1075
TOTAL COST, \$4350	

(25) BRYANT ST. bet. 2nd and Sterling; structural steel work for erection of steel bridge.
Owner—Schmidt Lithograph Co., 2nd and Bryant Sts.
Engineers—M. C. Couchot and Jesse Rosenwald, 525 Market St.
Contractor—Western Iron Works, 141 Beale St.
Filed Jan. 22, '30. Dated Jan. 9, '30.
On completion\$2194
TOTAL COST, \$2194
Plans and Spec. filed.

Contractor—Fire Protection Products
Co., 1101 16th St.
Filed Jan. 22, '30. Dated Jan. 9, '30.
On completion\$1695
TOTAL COST, \$1695
Plans and Spec. filed.

On completion -----\$1730
TOTAL COST, \$1730
Plans and Spec. filed

(28) S SUTTER 57-6 W Taylor W
27-6 x S 100; alterations to steam
heating and hot water service.
Owner—Aphra West.
Architect—None.
Contractor—E. E. O'Leary, 14 28th St.
Filed Jan. 22, '30. Dated Jan. 21, '30.
On completion \$350
Usual 35 days 360
TOTAL COST, \$700
Bond, \$350. Sureties, United States
Fidelity & Guaranty Co. Forfeit, \$10
per day. Limit, 20 days. Spec. filed.

SAN FRANCISCO COUNTY

Jan. 17, 1930—NW LEAVENWORTH
and McAllister Sts. Cahill Bros to
J A Mohr & Son.....January 14, 1930
Jan. 17, 1930—NW LEAVENWORTH
and McAllister Sts. Cahill Bros to
Latourrette-Pical Co.....Jan. 14, 1930
Jan. 17, 1930—NW LEAVENWORTH
and McAllister Sts. Cahill Bros to
A Knowles.....January 14, 1930
Jan. 17, 1930—SE SILVER AVE 65
NE University 25x34. Arthur and
Jennie Johnson, Annie & H West-
lund to whom it may concern.....
.....January 17, 1930
Jan. 17, 1930—E BISHOP AVE 160
S Judson St 22' E 120' E. J. J.
and Mary A Wilson to Thos J
Sullivan.....January 11, 1930

Jan. 17, 1930—S CLAY 175 W Spruce W 25 x S 127-8 1/4. Chas A McKenzie to Thomas Cuthbertson..... January 16, 1930

Jan. 15, 1930—SE PINEHURST Way dist thereon 11.426 NE from SW line lot 23 blk 3278 running SW alg Pinehurst Way 39.5 S 61° 50' E 68.738 to SE line lot 22 sd blk 3278 NE alg last named line 39.569 N 61° 56' W 69.578 to beg ptr lots 22 and 23 blk 3278 map Mt Davidson Manor. Gordon W Morris to whom it may concern.....Jan. 15, 1930

Jan. 16, 1930—521 MONTGOMERY St. Italian Investment Corp to Roscoe W Littlefield.....Jan. 3, 1930

Jan. 16, 1930—SE CALIFORNIA & Baker N 82-6 E 57-9 N 82-6 to S California W 57-9 to beg. Herman D Hogrefe to whom it may concern.....January 15, 1930

Jan. 21, 1930—E 27th AVE 100 N Fulton 25x140. Chas A or Charles A Stevens.....January 13, 1930

Jan. 20, 1930—W EXETER 200 S Paul Ave. Edward F and Hattie C or Hattie E Gace to whom it may concern.....January 15, 1930

Jan. 20, 1930—W 26th AVE 250 S Irving 25x120. Charles Vedel to whom it may concern.....Jan. 18, 1930

Jan. 20, 1930—W 30th AVE 200 S Lawton S 25 x W 120. Andrew B Johnson to whom it may concern.....January 17, 1930

Jan. 20, 1930—S CLIPPER 162 East Sanchez E 26 x S 114. Antonio F Ambrozio to Joel Johnson.....January 2, 1930

Jan. 20, 1930—S VALPARISO 127-6 W Mason W 23 x N 60. Giuseppe Torre to B Pagano.....Jan. 20, 1930

Jan. 20, 1930—N 23rd 200 W Douglas. Jerome Leonard to Boyd C Lindsay.....January 20, 1930

Jan. 18, 1930—E TWENTY-EIGHTH Ave 225 N Lawton S N 25xE 120. R F Galli to whom it may concern.....Jan. 18, 1930

Jan. 18, 1930—N CLAY 328-6 1/2 E Arguello Blvd E 25xN 127-8 1/4. E Gruggel to G Y Morton Co and McCarthy & Johanna.....Jan. 16, 1930

Jan. 18, 1930—E SANCHEZ 160 S Army 30x114. K M Casco to N W Anderson.....Jan. 18, 1930

LIENS FILED

SAN FRANCISCO COUNTY

Recorded	Amount
Jan. 13, 1930—E FILLMORE ST. 87-6 N Fulton E 50xE 112-6. Scott Co. Inc vs C O Clausen and S Schwartz.....	\$6864.56
Jan. 17, 1930—NW PARIS 25 SW Italy SW 50 x NW 100. Herbert A Thrall vs Gustave A and Ruth Johnson and Shafter Realty Co.....	\$137.50
Jan. 17, 1930—S GEARY 32-6 W 11th Ave W 75 x S 100. John Cassaretto vs Jean Blum & Richard Adams Apts.....	\$139.23
Jan. 16, 1930—E FUNSTON AVE 225 S Lake S 25 x E 120 Lot 36 Blk 1372 known as 140 Funston Ave. Joe Anderson vs G Y Morton Co. Clarence and Viola J Graham.....	\$59
Jan. 16, 1930—E BUCHANAN 62-6 S Eddy S 25 x 37-6 Lot 23 Blk 747 Assessor's Map formerly WA 227. Roma Hardwood Floor Co vs Morris and Annie Radomsky.....	\$235
Jan. 16, 1930—SW GIRARD 25 NW Harkness St NW 25 x SW 120. S Rosen vs R A Cahalan.....	\$2265

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded	Amount
Jan. 14, 1930—SW RUSSIA AVE 75 NW Prague NW 25 x SW 100 lot 7 Blk 92 Excl Hd. Jose Pellini to Hugo B Swanson.....	

Jan. 14, 1930—N FILBERT 212-6 E Hyde E 25 x N 137-6. California Steel Products Co to John T Kinder Co, John O'Gara.....\$202

Jan. 14, 1930—N JACKSON 170 W Taylor W 30 x N 137-6. California Steel Products Co to John T Kinder Co, Geo I Taylor.....

Jan. 14, 1930—SE 47th AVE & Irving dist thereon 57-6 B alg Irving 25 x S 100. Dowd-Seid Electric Co composed of Edw F Dowd and Maurice H Seid to F R Drinkerhouse Junior.....

Jan. 16, 1930—S MORAGA 32-6 W 21st Ave W 25 x S 100. George A Nelson, Pacific Terrazzo Marble Co to R N Gibson, Wm E and Ruth F Dowd.....

Jan. 18, 1930—LOT 13 Map G. S. Hill's Sub Lots 3 and 5 Blk 11, Market St. Hd Assn. California Construction Co to F L Banner.....

Jan. 17, 1930—NE MONTEREY Blvd and El Verano Way Lot 15A Blk 3048. Leo Toge to Jos Bottasso and Jos Luchini.....

Jan. 17, 1930—N GREEN 142-6 E Baker E 80 x N 137-6. California Steel Products Co, Lally Co, Frank C Stone, Willis L Gott, E A Cornely, Inc, Jos Anderson to Anita W Hale, Anna and Mrs Ruben L Hale.....

Jan. 16, 1930—NW LARKIN bet Market and Polk, known as Fox Theatre, Chas T Phillips to Corital Co, MacDonald & Kahn, Thos W Lamb.....

BUILDING PERMITS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
45	Lard	Peters	9000
46	Pollard	Haulman	4200
47	Standard	Owner	1800
48	Porter	Lehman	1500
49	Wiley	Furlong	20550
50	Golden	California	1382
51	Greuner	Owner	4000
52	McIntosh	Owner	1000
53	Victor	Foss	1600
54	Dull	Daneri	1000
55	Nelson	Vaughn	1000
56	Wallbrecht	Owner	2500
57	Shattuck	Lukis	1500
58	Western	Towle	1760
59	Newman	Owner	1000
60	Rugg	Owner	4850
61	Dooley	Owner	3200
62	Dolan	Owner	6500
63	Rose	Owner	8000
64	Turner	Eming	2500

ALTERATIONS
(45) 426 29th ST., Oakland; alterations to apartments.
Owner—Walter Land, 426 29th Street, Oakland.
Architect—None.
Contractor—L. A. Peters, 916 Erie St., Oakland.....\$4000

DWELLING
(46) N SUMMIT DRIVE 259 E Glen Road, Oakland; one-story 5-room dwelling.
Owner—J. F. Pollard.
Architect—None.
Contractor—P. R. Haulman, 1 24 13 Broadway, Oakland.....\$4200

SERVICE STATION
(47) NE COR. E 14th St. and 29th Ave., Oakland; one-story steel service station.
Owner and Builder—Standard Oil Co of California, 1916 Broadway, Oakland.
Architect—None.....\$1800

ALTERATIONS
(48) N. 1920 GROVE ST., Oakland. Alterations.
Owner—Porter Hall Co.
Architect—None.
Contractor—J. Lehman.....\$1500

RESIDENCE
(49) 155 INVERLEIGH TERRACE, Piedmont; 2-story 10-room frame residence and garage.
Owner—F. H. Wiley, 280 Mountain Ave., Piedmont.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Thos. F. L. Furlong, 460 Jerome Ave., Oakland.....\$29,599

CONVEYOR BRIDGE
(50) SW COR. SEVENTH & Kirkham Sts., Oakland; steel conveyor bridge.
Owner—Golder. West Brewery Co, 7th and Kirkham Sts., Oakland.
Architect—None.
Contractor—California Steel Co, 2nd and Harrison Sts., Oakland.....\$1383

REPAIRS
(51) 3217-37 GRAND AVE., Oakland; fire repairs and alterations.
Owner and Builder—W. Greuner, 178 Grand Ave., Oakland.
Architect—None.....\$4000

ADDITION
(52) 3115 PARTRIDGE AVE., Oakland; addition.
Owner and Builder—J. A. McIntosh, 3115 Partridge Ave., Oakland.
Architect—None.....\$1000

ALTERATIONS
(53) 2515 MAGNOLIA ST., Oakland; alterations.
Owner—Victor Ice Cream Co.
Architect—None.
Contractor—M. S. Foss.....\$1600

GARAGE
(54) 3207 SHATTUCK AVE., Berkeley; garage.
Owner—C. O. Dull, 2017 Woolsey St., Berkeley.
Architect—None.
Contractor—J. Daneri, 6515 Raymond St., Berkeley.....\$1000

ALTERATIONS
(55) 2426 14th AVE., Oakland; alterations.
Owner—N. J. Nelson, 2426 14th Ave., Oakland.
Architect—None.
Contractor—W. T. Vaughn, 501 Welton Ave., Oakland.....\$1000

ALTERATIONS
(56) 1426 24th AVE., Oakland; alterations.
Owner & Builder—J. Wallbrecht, 1431 25th Ave., Oakland.
Architect—None.....\$2500

ALTERATIONS
(57) 2112 SHATTUCK AVE., Berkeley; alterations.
Owner—Shattuck Estate, 2112 Shattuck Ave., Berkeley.
Architect—None.
Contractor—A. W. Lukis, 445 Boynton Ave., Berkeley.....\$1500

ALTERATIONS
(58) 2125 SHATTUCK AVE., Berkeley; alterations.
Owner—Western Union Telegraph Co.
Architect—None.
Contractor—W. M. Towle, 364 Tenth St., Berkeley.....\$1760

ALTERATIONS
(59) 1770 CLEMENS ROAD, Oakland; alterations.
Owner and Builder—Chas. X. Newman, 1770 Clemens Road, Oakland.
Architect—None.....\$1000

DWELLING
(60) SE COR. HOLLY & 76th AVE., Oakland; one-story 6-room dwelling.
Owner and Builder—Rugg & Lisbon.
Architect—None.....\$4350

DWELLING
(61) 3350 64th AVE., Oakland; one-story 5-room dwelling and garage.

Owner and Builder—Fred T. Dooley,
3926 Vale Ave., Oakland.
Architect—None. \$3200
DWELLING
(62) S SUNNYHILLS ROAD 200 E
Hillwood Place, Oakland; two-
story 7-room dwelling.
Owner and Builder—Leo J. Dolan, 316
17th St., Oakland.
Architect—None. \$6500

DWELLING
(63) W PORTAL AVE. 350 N Man-
dana Blvd., Oakland; two-story 6-
room dwelling.
Owner and Builder—M. A. Rose, 2442
Acton St., Berkeley.
Architect—Roy Keefe, 3281 Lake-
shore Ave., Oakland. \$8000

ALTERATIONS
(64) 16 VERNON ST., Oakland; al-
terations.
Owners—Walter and Margaret Turner
Architect—None.
Contractor—L. F. Eming. \$2500

BUILDING CONTRACTS

ALAMEDA COUNTY

11 International	Barton	28923
13 Husum	Tranmal	5291
14 Masonic	Malott	13927
12 La Velle	Smith	7206

(11) LOTS 10, 11, 12, 13, 14, 15 and
W 20 ft. Lot 16, map of the Ber-
nton property, Berkeley (Piedmont
Ave. and Bancroft Way); mason-
ry work on 6-story reinforced con-
crete fraternity building.

Owner—International House (a corp.)
Architect—George W. Kelham, 316
Montgomery St., San Francisco.
Contractor—George Barton, 4338 Bal-
boa, San Francisco.

Filed Jan. 15, 1930. Dated Jan. 11, 1930
Tenth of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$28,923
Bond, \$14,464. Sureties, Pacific In-
demnity Co. Limit, without delay.
Plans and Spec. filed.

DWELLING

(12) LOT 42 BLK 14, North Crag-
mont, Berkeley; general construc-
tion on 1-story and basement 7-
room dwelling.

Owners—G. J. and Claire C. La Velle,
Berkeley.
Architect—Masten and Hurd, Shreve
Bldg., San Francisco.
Contractor—J. Harry Smith, 677 San-
ta Barbara Ave., Berkeley.

Filed Jan. 18, '30. Dated Jan. 3, '30.
When enclosed.....\$1375
First coat of plaster.....1375
When completed.....1375
Usual 35 days.....1375
Equity in house at No. 2421
Edwards St.....618.67
Trust Deed.....1087.32
TOTAL COST, \$7206
Bond, \$3603. Sureties, J. H. Green,
Arthur Nylander. Limit, 120 days.
Plans and Spec. filed.

RESIDENCE

(13) REGAL ROAD, Berkeley; gen-
eral construction on 1-story resi-
dence.
Owner—Eritha Husum, 5442 Grove St.,
Oakland.
Architect—Wm. Wilson Wurster, 260
California St., San Francisco.
Contractor—Enoch Tranmal, 482 Cres-
cent, Oakland.
Filed and Dated Jan. 21, 1930.

When frame is completed.....\$1322.75
First coat of plaster.....1322.75
When accepted.....1322.75
Usual 35 days.....1322.75
TOTAL COST, \$5291
Limit, 75 days. Plans and Spec. filed.

FLOOR COVERINGS

(14) MASONIC HOME, near Decoto;
furnish and install all wall and

floor coverings of tile and other
floor and metal fixtures for 5-story
class A building.

Owner—Masonic Homes of California.
Architect—William Mosser Co., Ne-
vada Bank Bldg., San Francisco.
Contractor—Malott & Peterson, 3221
20th St., San Francisco.
Filed Jan. 21, 1930. Dated Jan. 15, 1930.
Monthly payments.....75%
Usual 35 days.....Balance
TOTAL COST, \$13,327
Bond, \$7,000. Sureties, N. Y. Indem-
nity Co. Forfeit \$50 per day. Limit,
70 days. Spec. filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded	Accepted
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Jan. 17, 1930—PTN LOTS 72 and 108
Crocker Tract, Piedmont. Mary
G Adams and Lillian G. Boal to S
J Bertelsen.....January 9, 1930
Jan. 17, 1930—LOT 23 BLK D, Pied-
mont Highlands, Piedmont. Wal-
ter B and Mildred C Anderson to
Carl Glorud.....December 19, 1929
Jan. 16, 1930—LOT 7 BLK T, Oak
Park, Alameda. W J and Maude
B Foster to Willis F Lynn.....January 11, 1930

Jan. 15, 1930—1520 77th AVE, Oak-
land. Rugg & Lisbon to whom it
may concern.....January 16, 1930
Jan. 16, 1930—LOT 27 BLK G North-
brae Terrace, Berkeley. Henry
Traxham to Merlin H DeMunk.....January 14, 1930

Jan. 16, 1930—NE SIXTH AVE 120
ft N of E 19th St. Oakland. NE
McGuire to H L Robertson.....January 14, 1930
Jan. 15, 1930—LOT 8 BLK P, Mul-
ford Garden Manor. J W Serjeant
to whom it may concern.....January 10, 1930

Jan. 16, 1930—LOT 52 and W 5 ft
Lot 81, Chimes Terrace, Oakland.
Victor E Milnor to whom it may
concern.....January 14, 1930
Jan. 14, 1930—SW HEARST AVE &
McGee St. Pacific Gas and Elec
Co to Bay City Asbestos Co.....January 13, 1930

Jan. 14, 1930—LOTS 17-18-19-20 Blk
75, map of Tract B of the Berke-
ley L T I Assn, Berkeley. A E
Greene to Spivock & Spivock.....January 6, 1930

Jan. 14, 1930—LOT 24, Ardmore, San
Leandro. Christopher C and Flo-
rence S Smith to whom it may con-
cern.....January 6, 1930

Jan. 14, 1930—132 BELL AVE, Pied-
mont. G C Plump to whom it may
concern.....January 14, 1930

Jan. 21, 1930—4031 ADELIN ST.,
Oakland. Mrs Glenora B Silva to
Parker and Sorensen.....Jan. 9, 1930
Jan. 20, 1930—ATHERTON ST 207
ft S of D St. Hayward. Pacific
Gas and Electric Co to A F Han-
son.....January 10, 1930
Jan. 20, 1930—E E EAST 20th ST &
23rd Ave. Oakland. Peter M Fal-
coner to H E McArthur.....January 18, 1930

Jan. 20, 1930—LOT 23, Ardmore,
San Leandro. Walter E and Bessie
Leeman to whom it may concern.....January 15, 1930

Jan. 20, 1930—LOT 159, Arbor Villa,
Oakland. Thos C Plinn to whom
it may concern.....January 14, 1930
Jan. 17, 1930—LINCOLN AVE AND
Perkins St, Oakland. West Oak-
land Home to Steele P Dunn.....January 7, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
Jan. 16, 1930—PTN LOTS 16 and 17 Ellsworth, Berkeley. Thilden Lum- ber & Mill Co vs S E Hostetter, R J Barr and Barr & Son.....\$1362.75	

Jan. 16, 1930—LOT 24 BLK N Moss
Tract, Oakland. G Leone vs Cath-
erine Metz and B S Hanson.....\$235
Jan. 16, 1930—LOTS 120 and 131 Ar-
bor Villa, Oakland. Maxwell Hdw
Co vs Income Properties Corp
Ltd. and A Cargese.....\$348.05
Jan. 15, 1930—LOTS 119, 122 and 123
Blk 339, Arbor Villa, Oakland. In-
dustrial Iron Works vs Alfred
Cordee.....\$782

Jan. 15, 1930—LOT 138, Arbor Villa,
Oakland. Eagle Sheet Metal Wks
vs D J Sueell.....\$116

Jan. 14, 1930—SE 23rd AVE E 10th
St. Oakland. Eureka Mill & Lbr
Co vs Peter M Falconer.....\$54.45

Jan. 21, 1930—NW 12th & CLAY
Sts. Oakland. Frank Antonuccio,
also known as Frank Antone, vs
Athers Athletic Club and Sun-
Ray Memeo Corp of Calif. Ltd.....\$425

Jan. 21, 1930—BLK 25 BLK 1, Ar-
bor Heights, Berkeley. Brock-
hurst Tile Co vs Dorothy S and
W Hooper.....\$424

Jan. 21, 1930—LOTS 64 and 65 BLK
4, map No 4 Regents Park, Oak-
land twp. Ed Craig. W J and Geo
Davis vs George Wyatt.....\$189

Jan. 20, 1930—LOT 14 BLK I, North
Cragmont Tract, Berkeley. Fried-
mann Co vs F Kenks, G Orstrum,
Art Riggs.....\$123.48

Jan. 20, 1930—S WOOLSEY ST 80.65
ft East Telegraph Ave. Oakland.
Michel & Pfeffer Iron Works vs
H C Chester.....\$762.40

Jan. 20, 1930—LOTS 16 and 17, Ells-
worth, Berkeley. Earl M Creager
vs S Hoffstetter, Robert J Barr,
Hoffstetter, Barr & Son.....\$181.81

Jan. 20, 1930—LOTS 16 and 17, Ells-
worth, Berkeley. F Edwards vs
S Hoffstetter and Robert J Barr
.....\$1625

Jan. 20, 1930—LOTS 16 and 17, Ells-
worth, Berkeley. Union Elec Co
vs Hoffstetter and R J Barr, E
Creager.....\$19.13

Jan. 18, 1930—PTN LOTS 16 AND 17
Ellsworth Tract, Berkeley. Boor-
man Lumber Co vs F E Hostetter,
Robert J Barr & Hostetter, Barr
& Son.....\$428.67

Jan. 18, 1930—LOT 17 BLK 1, Map
No. 6, Regents Park, Albany. Gus
Pestana and V Perry vs Poppy Hill
Creamery and E and N B Sher-
wood.....\$89.80

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
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Jan. 16, 1930—LOTS 74 and 75 BLK
1, map No 4, Regents Park, Al-
bany. Western Door & Sash Co
to Julia A Bowby, Olie Hartank,
Henry Baldwin.....\$378.50

Jan. 17, 1930—LOT 1 and Ptn Lot 2
Blk D, Claremont Pines, Oakland.
Geo S Plittcock & Son to R K
Schmidt.....\$300.31

Jan. 17, 1930—LOT 1 and Ptn Lot 2
Blk D, Claremont Pines, Oakland.
A M Poulsen to R K Schneck
B Schmidt.....\$362

Jan. 17, 1930—W 20 FT LOT 138 and
E 10 ft Lot 137. Unit No 2 Avenue
Terrace, Oakland. A R Fortes to
A W Schneck.....\$154

Jan. 17, 1930—W 20 FT LOT 138 and
E 10 ft Lot 137. Unit No 2 Avenue
Terrace, Oakland. O Hennig to A
W and Dorothy Schneck.....\$259.29

Jan. 17, 1930—W 20 FT LOT 138 and
E 10 ft Lot 137. Unit No 2 Avenue
Terrace, Oakland. O Hennig to A
W and Dorothy Schneck, Mary
Tickell.....\$259.29

Jan. 17, 1930—LOT 1, Berkeley. J A Bry-
art, \$3603.44. K W Caning to
Morgan J Doyle, \$3603.44. To Ber-
keley Hotel Corp.....\$54.45

Jan. 18, 1930—SE 23rd AVE and E
20th St. Oakland. Eureka Mill and
Lumber Co to Peter M Falconer.....\$54.45

Jan. 20, 1930—966-953 KAINES AVE
Albany, Hardwood Floor Co, Inc
to H H and Ollie Baldwin.....\$168.60
Jan. 18, 1930—S COR TWENTY-
third Ave. and E-20th St., Oak-
land. Pacific Paint & Wall Paper
Co to D M Falconer.....\$72.93
Jan. 17, 1930—LOT 160, Arbor Villa
Oakland. J L Roark to Chas D
and Etile M Knolly.....\$610
Jan. 17, 1930—LOT 160, Arbor Villa
Oakland. Churchill Tille Co to C
D Knolly; T J Pimm, Edward I
and Mildred M Isaksen.....\$572.60
Jan. 17, 1930—LOT 160, Arbor Villa,
Oakland. Geo A Schuster to Chas
D Knolly.....\$2100

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
KING ST., between Hopkins and
Winia Ave. Redwood City. All
work for one-story frame and
stucco residence.
Owner—Daniel Hagmaler, 931 Fell St.,
San Francisco.
Architect—Bliss & Fairweather, Bal-
boa Bldg., San Francisco.
Contractor—E. A. Anderson, 3000
D Maple St., Oakland.
Filed Jan. 18, '30. Dated Jan. 30, '29.
Frame up.....\$255
Brown coated.....255
Completed and accepted.....255
Usual 35 days.....255
TOTAL COST, \$10,220
Bond, \$10,220. Sureties, John Brandt
and Alfred A. Carlson. Limit, April
30, 1930. Forfeit, none. Plans and
specifications filed.

RESIDENCE
LOT 5 BLK 8, Edgewood. All work
for two-story frame and stucco
residence and garage.
Owner—L. C. Rowen, 903 Durston Rd.
Redwood City.
Architect—None.
Contractor—L. F. Bourquin, 211 Brad-
ford St., Redwood City.
Filed Jan. 15, '30. Dated Jan. 13, '30.
Roof on.....\$3500
Plastered.....3500
Completed.....3500
Usual 35 days.....3500
TOTAL COST, \$14,000
Bond, none. Limit, 100 working days.
Forfeit, none. Plans and specifications
filed.

BUSINESS BLDG.
LOT 6, Taylor Addition, San Mateo.
One-story reinforced concrete
business building.
Owner—Richard Fischer, 33 E-Santa
Inez St., San Mateo.
Architect—None.
Contractor—Niles P. Petersen et al,
233 3rd Ave., San Mateo.
Filed Jan. 16, '30. Dated Dec. 28, '29.
Basement completed.....\$3605
Roof on.....3550
When plastered.....3550
When completed.....3550
Usual 35 days.....3550
TOTAL COST, \$17,805
Bond, \$3902.50. Surety, Columbia Cas-
ualty Co. Limit, 60 working days.
Forfeit, \$10. Plans and specifications
filed.

STUDIO BLDG.
LOT 7 BLK 12, San Mateo. All work
for five-room stucco building.
Owner—Luigi Bottarini, San Mateo.
Architect—None.
Contractor—Angelo Zangrando, 725
Grand Ave., South San Francisco.
Filed Jan. 1, '30. Dated Dec. 7, '29.
Roof on.....\$1040
Plastered.....1040
Completed.....1040
Usual 35 days.....1040
TOTAL COST, \$4160

Bond, limit, forfeit, plans and spec-
ifications, none.

RESIDENCE
LOT 67, Peninsula Manor. All work
for two-story frame and stucco
residence.
Owner—G. F. Bishop et al, 1842 Jeffer-
son St., San Francisco.
Architect—None.
Contractor—E. D. Soward.
Filed Jan. 3, '30. Dated Nov. 21, '29.
In hand.....\$100
Completed.....250
Balance payments.....Pacific
States Savings & Loan Co.
TOTAL COST, \$7200

Bond, none. Limit, 120 working
days. Forfeit, plans and specifications
none.

BUILDING
LOT 3 BLK 5, Baywood Park. All
work for building.
Owner—Carl Melvin Warner.
Architect—Grimes & Schoening, Bal-
ovich Bldg., San Mateo.
Contractor—Thomas A. Cavanagh,
343 Virginia St., San Mateo.
Filed Jan. 14, '30. Dated Dec. 3, '29.
Payments by agreement.....
TOTAL COST, \$10,000
Bond, none. Limit, 120 working days.
Forfeit, plans and specifications, none.

RESIDENCE
LOTS 114 AND 140, Shore View Tct.,
San Mateo. All work for two-
story and basement frame and
stucco residences.
Owner—San Mateo Terminal Prop-
erties Company.
Architect—Chas. F. Strothoff, 2274
15th St., San Francisco.
Contractor—Charles Hammer, 1524
Florabunda Blvd., San Mateo.
Filed Jan. 13, '30. Dated Jan. 6, '30.
Both sheathed.....\$2630
Both brown coated.....2630
Both completed.....2630
Usual 35 days.....2630
TOTAL COST, \$10,520
Bond, none. Limit, 90 working days.
Forfeit, none. Plans and specifications
filed.

BUILDING PERMITS

SAN MATEO

DWELLING, 4-room, \$3500; Lot 10
Blk 19, S-Eldorado St., San Mateo
owner and builder, Geo. A. Nolley
RESIDENCE, \$4500; Lot 8 BLK C;
No. 29 11th Ave., San Mateo;
owner and contractor, H. W.
Taylor.
BUNGALOW, \$6000; Lot 9 Edgewood
Road, Las Sambilas Court, San
Mateo; owner, Lang Realty Co.,
1481 Burlingame Ave., Burlingame
contractor, Frank Nelson, 831
Prospect Row, San Mateo.
BUNGALOW, \$5200; Lot 140, 117 Lind-
burgh St., San Mateo; owner, S.
M. Terminal Prop. Co., Third and
Bayshore. San Mateo; contractor,
Charles Hammer, 1524 Florabunda
Ave., San Mateo.

BUNGALOW, \$5260; No. 102 Lind-
burgh Lot 114, San Mateo; owner,
San Mateo Terminal Prop. Co., 3rd
and Bayshore Sts., San Mateo;
contractor, Charles Hammer, 1524
Florabunda Ave., San Mateo.
BUNGALOW, \$4000; Lots 16 and 17
ft. Lot 17 Blk 13; No. 611 9th Ave.,
San Mateo; owner and contractor,
C. S. Baker, 611 S-Fremont St.,
San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Jan. 16, 1930—Accepted
Jan. 16, 1930—LOT 2 BLK 47, Easton
G W Williams Co to whom it may
concern
Jan. 16, 1930—LOT 1, 2, 3, 4, 22 and
23 Blk 17, Highlands of Emerald
Lake. E Vittori Alias to whom
it may concern.....Jan. 16, 1930
Jan. 16, 1930—LOTS 11, 12 AND 13
Portola Terrace, San Mateo.
Louis Gambetta to Joe Emma.....
Jan. 15, 1930
Jan. 15, 1930—LOT 17 BLK 20,
Crocker Estate Tract, San Mateo.
Jesse Horn to whom it may con-
cern.....Jan. 17, 1930
Jan. 13, 1930—CALIFORNIA SAN-
atorium Site, Belmont. Harry C
Warren (for California Sanator-
ium) to H W Arnold.....Jan. 1, 1930
Jan. 13, 1930—BAYSHORE. South-
ern Pacific Co to J P Holland, Inc
.....January 11, 1930
Jan. 9, 1930—SANATORIUM, Bel-
mont. California Sanatorium to
Chas F Mausser.....Dec. 31, 1929
Jan. 9, 1930—FAIRWAYS of Emer-
ald Lake. Andrew G Ghlotto to
whom it may concern.....Jan. 9, 1930
Jan. 9, 1930—LOT 19 BLK 11, West-
ern Addn, San Mateo. Thomas F
Burke to Frank J Ferrea.....
Jan. 10, 1930—December 13, 1929
Jan. 10, 1930—LOT 3 BLK 9, Reaub
Lot 87 and et al, San Mateo City
Homestead. C L Klass to whom
it may concern.....Dec. 31, 1929
Jan. 10, 1930—LOT 12 part 11 and 13
Blk 2, Central Pk., Redwood City.
Fred W Seymour to H Van Polen.....
Jan. 11, 1930—January 10, 1930
Jan. 11, 1930—LOT 16 BLK G, Hay-
ward Park. Mario Casinal, et al
to Robert E Broderick.....Jan. 10, 1930
Jan. 11, 1930—LOT 20 BLK 20, Mil-
brae Highlands. J W Young et al
to John M Johnson.....Jan. 11, 1930
Jer. 11, 1930—LOT 4 BLK C, Wood-
side Acres. Robert Wood to Jas
B Risen.....January 10, 1930
Jan. 11, 1930—ITALIAN Cemetery.
Societa Italiana Da Mutina Bene-
ficenza to Mission Concrete Co.....
January 13, 1930
Jan. 11, 1930—LOTS 23 and 24 BLK
1 The Oaks. George Moncreiff,
et al to whom it may concern.....
January 10, 1930
Jan. 13, 1930—PART LOT 10 BLK B
Pariso Park. Elizabeth C Gardner
to whom it may concern.....
January 10, 1930
Jan. 13, 1930—LOT 22 BLK 13, Bur-
lingame Hills. Roderick I McEl-
lan et al to R A White.....
December 20, 1929

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

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San Francisco

Jan. 13, 1930—LOT 2 BLK 10, Bayview Heights. Gray Thorning Lbr Co to whom it may concern.....
January 13, 1930
 Jan. 13, 1930—LOT 1 BLK 35, Easton. H F Hall to whom it may concern.....
January 11, 1930
 Jan. 14, 1930—LOTS 27 and 28 BLK 66, Dumbarton Oaks. R C Stabel to whom it may concern.....
January 14, 1930
 Jan. 14, 1930—LOT 14 BLK 1, Burlingame Park No 1. Frank H Boring to whom it may concern.....
January 14, 1930
 Jan. 14, 1930—LOT 5 BLK 19, Milbrae Highlands. Elias Vigen to whom it may concern.....
January 12, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Jan. 15, 1930—LOT 6 BLK 11, Oak Knoll Manor. San Carlos Lumber Co vs William Geissler et al.	\$316.46
Jan. 9, 1930—LOT 49, Peninsula Manor Tract. Peninsula Building Co vs Henry L. Wills et al.	\$1362.02
Jan. 10, 1930—LOT 23 BLK 18, Vista Grande No 1. Edmund Covagnaro	\$130; Guss Smith, \$75, vs P Concl et al
Jan. 11, 1930—LOT 77 Bayshore Tct. San Mateo Planing Mill Co vs J Corral Rodger et al (two liens)	\$775.54 and \$106.08
Jan. 13, 1930—PART LOT 4 BLK 9, Burlingame Hills. San Mateo Planing Mill Co vs J Corral Rodger et al.	\$1260.81
Jan. 14, 1930—COLMA. W B Jefferson vs Alfred Camiergue et al	\$447.17

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Jan. 17, 1930—LOT 18 BLK 5, Huntington Park. F M McNulty to William J Murphy.....	in full
Jan. 11, 1930—LOCATION OMITTED. Inlaid Floor Co to H E Grude et al.....	in full
Jan. 14, 1930—LOCATION OMITTED. Paul M Perner to Albert Caruso.....	in full

BUILDING PERMITS

SAN JOSE

RESIDENCE, 5-room frame, \$4,000; San Fernando near Cleavis; owner and builder, H. DeSmet, 333 N 13th San Jose.
RESIDENCE, 6-room frame, \$5250; Shasta near Park; owner and builder, Rollie Williams 1457 Shasta, San Jose.
ALTER and repair frame residence, \$1500; 395 N 14th; owner, Mrs. Castiel, 1133 Newhall; contractor, Sars DiFlores, 955 Hamline, San Jose.
CONCRETE construction on Hazzard building, \$2000; Autumn and Santa Clara; owner, Vapor Dyeing & Cleaning Co., 511 W Santa Clara, San Jose; contractor, Duke Walton, 1217 University Ave., San Jose.
RESIDENCE, 4-room frame, \$2,000; Royal near Auzerals; owner, P. Paparotti, 360 Royal, San Jose.
ALTERATIONS to postoffice building, \$1075; Market and San Fernando; owner, U. S. P. O. Dept.; contractor, G. M. Ratto, 25 Rhodes Court, San Jose.
ALTERATIONS to frame residence, \$1000; 266 S 7th; owner, Jos. Dias, 266 S 7th, San Jose; contractor, R. Sundberg, 1204 W San Carlos, San Jose.
ALTERATIONS to frame residence, \$1000; 1034 Polhemus; owner, K.

D. Rowley, 1034 Polhemus, San Jose; contractor, H. DeSmet, 333 N 13th, San Jose.
ALTER class C business bldg., \$1750; 262 S 1th; owner, Masonic Temple Assn., 3 1th St., San Jose; contractor, H. L. Wold, Vendome Hotel, San Jose.

BUILDING PERMITS

REDWOOD CITY

DWELLING, 5-room frame and garage, \$3000; 937 James Ave.; owner, Norman Beattie; contractor, Thomas Jefferson.
DWELLING, 5-room frame and garage, \$2500; 127 Buckeye St.; owner and builder, Manuel Moreno.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$6,000; 163 Rincando Ave.; owner, Lena Harala; contractor, Henry Harala.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Jan. 2, 1930—PART LOT 1, Dixon Tract. San Jose. Harold Baxter et al to whom it may concern.....	Dec. 30, 1929
Jan. 3, 1930—LOT 16 BLK 26, Lendrum Tract No. 2, San Jose. Jos Pagan to whom it may concern.....	Dec. 31, 1929
Jan. 4, 1930—LOT 27, Santana Sudb San Jose. Frank Neves to whom it may concern.....	Jan. 4, 1930
Jan. 4, 1930—LOT 5, Santana Sudb, San Jose. Frank Neves to whom it may concern.....	Jan. 4, 1930
Jan. 6, 1930—LOTS N $\frac{1}{2}$ LOT 8, Crossman Subd No. 4, San Jose. Manuel Arnedo to whom it may concern.....	Jan. 4, 1930
Jan. 6, 1930—LOT 5, Cottage Grove Tract, San Jose. Caterina Di Salvo to whom it may concern.....	Jan. 6, 1930
Jan. 6, 1930—E RACE ST. near Park Ave. San Jose. A Leutza to whom it may concern.....	Dec. 31, 1929
Jan. 6, 1930—SW FIFTH ST. 275 SE Taylor St., San Jose. J K Dobashi to whom it may concern.....	December 31, 1929
Jan. 6, 1930—E BOYCE AVE 138 S Forest Court S 46x E 155 Pt Fife Subd of Ashy Addn, Palo Alto. C S and Dagmar Hockett to whom it may concern.....	Dec. 28, 1930
Jan. 7, 1930—LOTS 9 AND 10 BLK C, Lion Addition, San Martin. John H Gallant to whom it may concern.....	Jan. 2, 1930
Jan. 7, 1930—LOT 15, Amended East Highlands Subd., San Jose. Howard H Harrison et al to whom it may concern.....	Jan. 7, 1930
Jan. 7, 1930—LOT 4, San Juan Subd No. 3, Stanford University, Palo Alto. Edward Cecil Sewall et al to whom it may concern.....	December 27, 1929
Jan. 8, 1930—NO. 579 ALVARADO Row, Stanford Campus, Palo Alto. Nathan Van Patten to whom it may concern.....	Jan. 8, 1930
Jan. 8, 1930—LOTS 3 AND 9 BLK H D. Divine Survey No. 2, San Jose. Scerafina Malfatti to whom it may concern.....	Sept. 17, 1929
Jan. 9, 1930—E CAROLYN AVE 559.40 N Willow St., Narvaez Rancho. A. H. Wilson to whom it may concern.....	Jan. 7, 1930
Jan. 9, 1930—LOT 5 BLK 3, Chester B. Burton Subdivision, San Jose. R W Stawetski to whom it may concern.....	Dec. 30, 1929

Jan. 9, 1930—LOT 18, El Monte Subd Los Gatos. C A Relly to whom it may concern.....
Jan. 7, 1930
 Jan. 9, 1930—LOT 17, Costa Tract, San Jose. Giuseppe Iannone et al to whom it may concern.....
January 8, 1930
 Jan. 10, 1930—LOT 12, Willow Glen Orchard Tract. T L Hubbard to whom it may concern.....
Jan. 10, 1930
 Jan. 10, 1930—LOT 7, Willow Glen Orchard Tract. T L Hubbard to whom it may concern.....
Jan. 10, 1930
 Jan. 11, 1930—LOT 35, Colonial Manor, San Jose. Dorothy Kelley et al to whom it may concern.....
Jan. 10, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Jan. 3, 1930—4.367 AC PART SW $\frac{1}{4}$ of Sec 20 Tsp 6 S R 2 W, San Jose. The Minton Co vs Harold W Wheatley.....	\$189.99
Jan. 4, 1930—LOT 22 BLK 13, Lindrum Tract No. 2, San Jose. San Jose Lumber Co vs J A Hines.....	\$52.93
Jan. 8, 1930—LOT 15 BLK 15, Sunnyside Addition, Palo Alto. Chas Lawrence vs Barbara H Romero.....	\$62.50
Jan. 8, 1930—LOT 14 BLK 6, Los Altos Park. Charles Lawrence vs W L Cronkite.....	\$89.50

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Accepted
Jan. 3, 1930—LOT 5, Cooksey Subd (No. 564, Mayfield Row, Stanford University). Pacific Mfg Co to Leland Stanford Jr. University.....	
Jan. 4, 1930—LOTS 5 TO 12 BLK 7, Mockbee & Wellhaimer Addn., Mt. View and Lots 8 and 9, Wright Addition, Mt. View. Sterling Lumber Co to M Fujii.....	
Jan. 8, 1930—N CHANNING AVE 138.1 W Newell Road N 150xW 50, Part Seale Rancho. D & S Lumber Co, Inc to W E and Nina L Banker.....	

BUILDING CONTRACTS

MONTEREY COUNTY

RESIDENCE
 LOTS 3, 4 AND 6 in Los Ranchitos District, Monterey County. All work for two-story frame and rock veneer residence and board and batten garage.
 Owner—William E. Haseltine, Carmel Valley.
 Architect—None.
 Contractor—Hugh W. Comstock, Sixth and Torres Sts., Carmel.
 Filed Jan. 15 '30. Dated Jan. 14, '30.
 As work progresses..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$20,300
 Bond, \$10,000. Surety, National Surety Co. Limit, 100 working days. Forfeited, none. Plans and specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
Jan. 16, 1930—LOTS 12, 13 AND 14 Bk 15.5 Map of Homestead Addition to Salinas City. George H Vessel to whom it may concern.....	Jan. 16, 1930
Jan. 16, 1930—LOTS 19, 21, 22, 24, 26 and 28 Bk 30, Map of Withers Addition to City of Monterey. H E Orr to J C Anthony.....	Jan. 15, 1930
Jan. 16, 1930—PTN LOTS 1, 2, 3, 4 & 6 Bk 105, Map of Pacific Grove	

Retreat. Warren L Harden to J C Anthony.....Jan. 15, 1930
Jan. 16, 1930—LOT A, Waterfront
Lost Herman Survey in New Monterey. Pacific Biological Laboratories Inc to Rosco C Wright.....
.....January 15, 1930

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
Jan. 14, 1930—PART OF RANCHO Llande de Buena Vista. Sterling Lumber Co to L E Woodworth and Mrs. Martha Bardin.....\$510.70

BUILDING CONTRACTS

MARIN COUNTY

RESIDENCE
MILL VALLEY. All work for residence.
Owner—Louis Winthral and Wife, 431 Molina Ave., Mill Valley.
Architect — N. W. Sexton, deYoung Bldg., San Francisco.
Contractor—John Dahla, 430 Chescent St., San Francisco.
Filed Jan. 16, '30. Dated Jan. 15, '30.
On last day of each month..... 75%
TOTAL COST, \$12,348
Bond, limit, forfeit, none. Plans and specifications filed.

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount
Jan. 12, 1930—NW COR WRIGHT Royal Sts, Santa Rosa. W H Knight, \$73.50; M F Parrish, \$159.00, to N C Christensen.....
Jan. 14, 1930—NW COR WRIGHT and Royal Sts, Santa Rosa. O C Hughes to N C Christensen.....\$246.77
Jan. 15, 1930—NW COR WRIGHT and Royal Sts, Santa Rosa. Sterling Lumber Co to N C Christensen.....\$358.88

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

SERVICE STATION
LOT 11 BLK 74 east of Center St., Stockton; general construction on 1-story and basement wood and hollow tile service station.
Owner—L. R. Moore, 1019 N Pilgrim St., Stockton.
Architect—None.
Contractor—J. A. Allen, 525 E Market St., Stockton.
Filed Jan. 17, '30. Dated Jan. 14, '30.
Payments and total omitted.
Limit, 60 working days after date of contract.

HOUSE
LONE TREE ROAD; general construction on 4-room house.
Owner—Escalon Kadota Flg Co.
Architect—None.
Contractor—Carl T. Brayton.
Filed Jan. 14, 1930. Dated Dec. 7, 1929.
Payments not given.
TOTAL COST, \$1,675
Plans and Spec. filed.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Jan. 17, 1930—TRACK YARDS in Stockton. Southern Pacific Co to C W Wood.....January 10, 1930
Jan. 15, 1930—LOTS 1 AND B BLK 1, Gambettas Addition to Stockton, also a 25x101 ft. parcel adj. said Lot 1. Giuseppe Caffese and wife to Pete Percecco.....Jan. 3, 1930
Jan. 15, 1930—LOT 12 BLK 6, Lake Park Tract, Stockton. William S Stiles to William Peenstra.....Jan. 14, 1930

BUILDING PERMITS

STOCKTON

REMODEL dwelling, \$1000; No. 1520 N. El Dorado St., Stockton; owner, P. E. Holt, Premises; contractor, R. Melville, Waterloo Rd., Stockton.
RESIDENCE and garage, \$4500; No. 2105 Dwight Way, Stockton; owner, H. H. Thurston; 433 E-Wyandotte St., Stockton.

BUILDING PERMITS

SACRAMENTO

GENERAL repairs, \$3000; No. 301 K St., Sacramento; owner, Max Levy 1445 Oak St., Oakland.
GENERAL repairs, \$1500; No. 920 K St., Sacramento; owner, Hart Bros., Prem.; contractor, Campbell Constr. Co., 16th and L Sts., Sacramento.
RESIDENCE, 8-room, Cost, omitted; No. 3822 Miller Way, Sacramento; owner, R. L. Hathaway, 720 Redwood Ave., Sacramento.
PARISH house, \$12,000; No. 1514 27th St., Sacramento; owner, Evangel-

ical Lutheran Trinity Congregation, 820 23th St., Sacramento.

SERVICE Station, \$2500; 501 Q St.; owner, Manuel Machado, 515 1/2 T St., Sacramento; contractor, same.

BUILDING CONTRACTS

MONTEREY COUNTY

OFFICE BLDG.
RAILWAY DEPOT GROUNDS, Watsonville Junction. All work for one-story stucco express office building.
Owner—Railway Express Agency, Inc., 504 Main St., Watsonville Junction
Architect—J. H. Humphrey, 408 Wells Fargo Bldg., San Francisco.
Contractor—T. H. Rosewall, 422 E-Third St., Watsonville.
Filed Jan. 20, '30. Dated Jan. 9, '30.
On 5th and 20th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$4710
Bond, \$2355. Surety, Columbia Casualty Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

CLUB BLDG.
LOTS 5 AND 6, L. M 8th and 9th Sts., Sacramento. All work for club building.
Owner—Sutter Club Bldg. Assn., 331 J St., Sacramento.
Architect—None.
Contractor — Geo. D. Hudnutt, Inc., 1915 S St., Sacramento.
Filed Jan. 15, '30. Dated Dec. 20, '29.
TOTAL COST, \$287,000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Jan. 20, 1930—LOT 5, Gardenland. Daniel Bagley to whom it may concern.....Nov. 1, 1929
Jan. 20, 1930—SACRAMENTO SHOP Grounds. Southern Pacific Co to whom it may concern.....Jan. 15, 1930
Jan. 17, 1930—CAR SHOP NO 9, Sacramento. Southern Pacific Co to whom it may concern.....January 3, 1930
Jan. 11, 1930—E 1/2 LOT 6, L. M. 17th and 18th Sts., Sacramento. J E Morin to whom it may concern.....January 3, 1930
Jan. 11, 1930—LOTS 72 AND 73, South Curtis. Oaks Sub. No. 4, Sacramento. August G and Grace Brietzke to whom it may concern.....January 10, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Jan. 13, 1930—LOT 111, McKinley Blvd Tract No. 2, Sacramento. Western Lumber Co vs D L and Annetta Gray.....\$646.68

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$2100; No. 1119 Fulton St., Fresno; owner, Griffith-McKenzie Bldg. Com., Fresno; contractor, E. J. Farr & Son, 1295 Linden St., Fresno.
DWELLING, \$4000; No. 805 Dennett St., Fresno; owner and contractor, W. H. Richmond, 1379 Adoline St., Fresno.
STORE building, \$10,000; No. 251 N. H St., Fresno; owner, Farm Equipment Co.
GARAGES, \$2000; No. 1130 O St., Fresno; owner, Milo Rowell, Prem. contractor, W. T. Harris, 577 McKinley St., Fresno (2 permits).

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
Jan. 14, 1930—PART OF RANCHO Llande de Buena Vista. Sterling Lumber Co to L E Woodworth and Mrs. Martha Bardin.....\$510.70

BUILDING CONTRACTS

MARIN COUNTY

RESIDENCE
MILL VALLEY. All work for residence.
Owner—Louis Winthral and Wife, 431 Molina Ave., Mill Valley.
Architect — N. W. Sexton, deYoung Bldg., San Francisco.
Contractor—John Dahla, 430 Chescent St., San Francisco.
Filed Jan. 16, '30. Dated Jan. 15, '30.
On last day of each month..... 75%
TOTAL COST, \$12,348
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Jan. 10, 1930—MILL VALLEY. Dr. C A and Helen Janes to Harry Kidd.....January 10, 1930
Jan. 11, 1930—KENTFIELD. Ettore Fiaccadori to A C Wheeler.....January 11, 1930
Jan. 20, 1930—NOVATO CREEK. Department of Public Works to W L Proctor (constructing bridge).....January 8, 1930
Jan. 11, 1930—LOCATION OMITTED. Adalbert Von Rotz to Marin Cabinet & Fixture Works.....January 4, 1930
Jan. 14, 1930—MILL VALLEY. Mill Valley Tennis Club to whom it May Concern.....January 1, 1930

LIENS FILED

MARIN COUNTY

Recorded Amount
Jan. 11, 1930—SAN RAFAEL. Geo A Shields vs H B and Edith Hasey et al.....\$554.65

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Jan. 16, 1930—SANTA ROSA HIGH School Site. Board of Education, City of Santa Rosa High School District to Worley & Co.....Jan. 7, 1930

LIENS FILED

SONOMA COUNTY

Recorded Amount
Jan. 13, 1930—LOT 18 BLK 21, per H H Harmon's Survey of East Petaluma. A Patochci vs W E Barrington.....\$87.95
Jan. 15, 1930—LOT 21, Baker Tract of Subdiv East Petaluma. Wm C Arms-trong vs A W Baker, Frank Bush.....\$24.75

DWELLING and garage, \$4000; No. 3655 Kerckhoff Ave., Fresno; owner, Fresno Home Bldrs., 1231 Broadway, Fresno.
 DWELLING, \$1500; 2340 Webster St.; owner, H. L. Samebeck.
 DWELLING, \$2750; No. 330 Plumas St., Fresno; owner, R. Sutton; contractor, Taylor & Wheeler, Brix Bldg., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Jan. 16, 1930—LOTS 1 AND 2 BLK 10, Roeding Addition, Fresno. A R Eklund to whom it may concern.	Jan. 15, 1930
Jan. 16, 1930—N ½ LOT 8, S. 7, 26th and 27th Sts., Sacramento. R Lusich to whom it may concern.	January 14, 1930
Jan. 13, 1930—LOTS 12 and 13 BLK 2, St Francis Wood. Nellie M Hyde to Taylor & Wheeler, Inc.	January 10, 1930
Jan. 13, 1930—N ½ of LOT 1, Camy Place. W H Robinson to whom it may concern.	January 10, 1930

LIENS FILED

FRESNO COUNTY

Recorded	Amount
Jan. 15, 1930—SECTION 16 11-13, Fresno. Hayward Lumber & Investment Co vs Carl S Clausen.	\$102

SAN LEANDRO PERMITS

Gillmore Oil Co., warehouse, 698 Thornton St., \$4000.
 Gorchaux estate, store and postoffice building, 235 Davis St., \$10,950.
 R. H. Weeks, 5-room dwelling, 220 Bellevue Dr., \$4500.
 — Diamontopolus, soda works and office, 1767 Clark St., \$2000.
 J. Dalziel, gymnasium, 1490 Foothill Blvd., \$1000.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on February 13, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefore, to which special reference is made, of portions of State Highway, as follows:
 Siskiyou County, a reinforced concrete bridge at Station 296+75.25, about 5 ½ miles north of Yreka (II-Sis-3-C), consisting of one 200-foot open spandrel arch span and three 40-foot girder approach spans.

Los Angeles County, between Castale School and Canton Creek (VII-L.A.-4-G), about seven and one-tenth (7.1) miles in length, to be graded.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works. Plans may be seen, and forms of pro-

posal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
 DIVISION OF HIGHWAYS.

C. H. PURCELL,
 State Highway Engineer.
 Dated January 15, 1930.

VALUE OF HOME OR MONTHLY RENTALS IN CENSUS

A question on home valuation and rentals which will bring findings of great importance to the real estate profession, according to the National Association of Real Estate Boards, will be included in the questionnaire now being prepared for

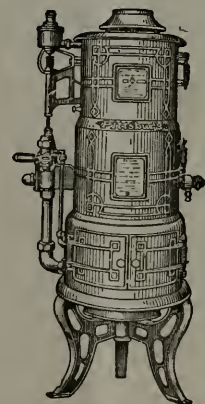
enumerating the population in the 1930 census. For the first time enumerators will ask the value of the home, if owned, or the monthly rentals paid on the home.

In making public its 1930 questionnaire the United States Department of Commerce stated that the question of home ownership would make possible a classification of families according to economic status or buying power.

The National Association of Real Estate Boards points out that the findings of the census will make it possible to ascertain the percentage of home ownership in the many cities, counties and villages throughout the United States, which, when correlated with the cost of homes in those same localities, will show to what degree the cost of homes in a given city determines the extent of home ownership in that community. Likewise the data collected on this question in the census taking, when correlated with a study of the obtaining systems of home financing in different cities, can show what, if any, influence the local home financing methods have on the extent of home ownership, the Association states. Interesting statistics can also be made available on the average value of the home and the average rental in any given city as compared with the average home value and home rental for the country as a whole.

ESTABLISHES SAFETY RECORD

A remarkable safety record was achieved by the Kaiser Paving Company of Oakland in its gravel plant at Livermore during 1929. According to J. J. Rosedale, safety engineer, there was not a single lost time injury during the year although rock crushing operations are hazardous. An average of 35 men were employed throughout the year and a total of 84,000 hours worked.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

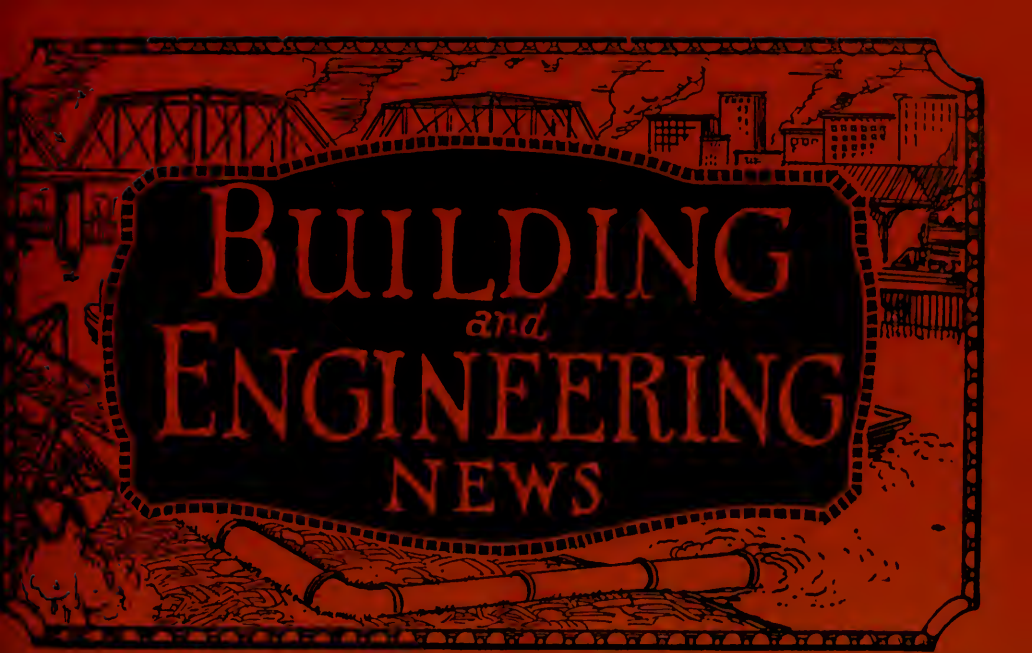
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BUILDING *and* ENGINEERING NEWS

Publication Office
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SAN FRANCISCO, CALIF., FEBRUARY 1, 1930

Thirtieth Year, No. 5
Published Every Saturday

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Effective January 2, 1930, DAILY PACIFIC BUILDER, the pioneer daily construction newspaper of the Pacific Coast, will be merged with LARSEN ADVANCE CONSTRUCTION REPORTS, the daily service of BUILDING AND ENGINEERING NEWS.

Every unit of the present service offered by BUILDING AND ENGINEERING NEWS and LARSEN'S ADVANCE CONSTRUCTION REPORTS will be published each day in DAILY PACIFIC BUILDER, in addition to other important features. The subscription price will be \$1.50 per month or \$15.00 per year payable in advance.

DAILY PACIFIC BUILDER, under this consolidation of services, will bring to your desk each morning the latest developments in the construction field—Building Permits and Building Contracts, Mechanics' Liens, Completion Notices, advance construction news, covering every branch of the construction industry, building and engineering improvements, business opportunities, etc.

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., FEBRUARY 1, 1930

Thirtieth Year, No. 5

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Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarney 1252
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All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

ENGINEERS' REGISTRATION FOR BUILDING INSPECTORS

The following opinion regarding the registration of building inspectors has been sent to the Pacific Coast Building Officials' Conference headquarters at Long Beach, Calif., by Donald M. Baker, president of the California Board of Registration for Civil Engineers:

"1. Practicing city building inspectors may or may not be required to register. Each individual must be considered upon the facts as they present themselves.

"Take the building inspector in a small town where there are probably one or two buildings over one-story in height and none over two stories, where all the residential development is small frame houses. It is felt that such a position would not constitute civil engineering work or require the services of a civil engineer—a trained mechanic might handle the job.

"In a large town where height limited buildings exist, where plans and specifications must be checked and construction work inspected, the building inspector should undoubtedly be a civil engineer.

"2. The Act provides that any one having certain qualifications which are set forth herein may on or before June 30, 1930, apply for and secure a certificate of registration as a civil engineer from the Board. A fee of \$15.00 must accompany the application, and a renewal fee of \$5.00 each year is required by the Act.

"3. The Act provides that subordinates to registered engineers need not be registered. It would appear that the department head would be the only one required to register, provided that registration was necessary for him. Plan checking engineers, although they might be in responsible charge of the work they are doing, are in reality responsible themselves to the department head, and he is responsible for all of the acts of his subordinates."

The above quotation in Mr. Baker's opinion as president of the Board after discussion with the other members. To make an official ruling, a specific case would have to be considered.

Application blanks for the licensing of civil engineers, as required under a new California state law, will be available shortly after Jan. 1 and may be obtained from Albert Givan, secretary, Board of Registration for Civil Engineers, Sacramento, Calif.

Pacific American Street Lighting Co. of San Francisco, capitalized for \$50,000 has been incorporated. Directors are R. H. Haven, G. L. Richardson and George Fenney.

T. Smith, contractor, has opened a new planing mill in Depot street, Sebastopol, to operate in conjunction with his contracting business.

BAKERSFIELD CONTRACTORS ELECT OFFICERS

Clark Gramling, general contractor, was elected president of the Bakersfield Association of General Contractors at the annual meeting of that body held Jan. 25. Other officers are: P. W. Paynter, vice-president; L. H. Moon, secretary and George L. Harris, Henry Gribble, Henry Eissler and V. A. Young, directors.

Purposes of the organization, as set forth in article 2 of the association's constitution and by-laws, are:

"The objects of this association are to promote better relations between private owners and public bodies, their architects or engineers on the one hand, and contractors on the other; to maintain high professional standards in the conduct of work; to combat unfair practices; to encourage efficiency among contractors; to encourage those practices which tend to eliminate waste and unprofitable practices; to support contractors and contractors' associations in efforts to rectify conditions of an unsatisfactory character.

Other functions are to encourage harmony and co-operation between contractors and their employees; to encourage those methods of contracting for work which relieve the contractor of improper risks, and to encourage sound business methods tending to raise the standing of contractors generally in the business world."

J. S. DEAN, ARCHITECT, NAMED SACRAMENTO CITY MANAGER

James S. Dean, Sacramento architect, has been appointed city manager of the Capitol City, succeeding Harry A. Kluegel of Berkeley and San Francisco. The appointment is effective March 1.

Mr. Dean is a member of the architectural firm of Dean and Dean of Sacramento. He has been a resident of Sacramento for 25 years, a graduate of the Boston Institute of Technology. He prepared plans for the Sacramento Municipal Auditorium and several school buildings in that city as well as many commercial structures.

Other candidates for the position were John C. Stone, former Sacramento railroad department manager and Oscar F. Weissgerber, former city manager of San Mateo.

Richmond H. Skinner of Boston, Mass., has joined the engineering staff of the National Lumber Manufacturers Association as structural engineer, succeeding Nelson S. Perkins, who recently resigned to accept a position with the National Committee on Wood Utilization. Mr. Skinner was graduated from the California Institute of Technology in 1923 and since that time has had a varied technical experience.

FEATURES OF THE CHRYSLER SKYSCRAPER CITED

Walter P. Chrysler's announcement that the new Chrysler Building rises 1030 feet above the sidewalks of New York ranks this structure as the tallest which has ever been erected. This is the first man-made structure in the world's history to rise to a height of more than one thousand feet.

Even the Eiffel Tower must bow before the \$15,000,000 office building which is the latest addition to the skyline of New York. The top of the Eiffel Tower is 984 feet above the ground. This great observation tower, completed in 1889 for the exposition of that year, made the city of Paris supreme in high construction for forty years. With the erection of the Chrysler Building the "world's championship" for tall structures is transferred to New York.

The Chrysler Building exceeds by more than one hundred feet the height of the second tallest habitable structure. In its uppermost part it is well above the 325-foot Manhattan Company Building and the 792-foot Woolworth Building in New York, as well as the Eiffel Tower in the capital of France.

There are five states which do not have a natural elevation at any point as high. If the building were located in Delaware, Florida, Louisiana, Mississippi or Rhode Island, it would be theoretically possible to see from its top all parts of the state.

The entire seventy-first floor of the building will be set aside for observation purposes. At this level visitors will be able to overlook Greater New York, the surrounding country and the Atlantic Ocean for a distance of 100 miles.

Above the observation level are six stories, giving the structure a total of seventy-seven stories. This is seventeen stories higher than the Woolworth Building which was for some years the tallest office building.

The record-breaking height and unusual architecture of the Chrysler Building provide a new and impressive symbol of industrial America and the tremendous growth of all kinds of human activity in the United States. Until some years after the Civil War the land upon which the new giant skyscraper now stands remained a rocky hillock, part of which was known as "Shanty Town," given over to squatter huts and roving goats. Within the memory of living residents the site was used as a grazing ground for a herd of goats owned by an old lady who lived there in a little white house.

Within a few months about 12,000 people will have offices in the new building. This is as though the entire population of a city like Annapolis,

PERSONS ENTITLED TO LIENS

By HARRY C. WESTOVER, Attorney-at-Law

This is the third installment of a series of articles on the California Mechanics' Lien Law, prepared by Mr. Westover, a member of the Orange Co. Builders' Exchange. Other articles will appear from time to time.—Editor.

As we have said before, the mechanics lien in California is of the highest possible dignity since it is not secured by legislative enactment but by the Constitution of the state which provides that:

"Mechanics, material men, artisans and laborers of every class shall have a lien on the property upon which they have bestowed labor or furnished materials for the value of such labor done and materials furnished; and legislature shall provide by law for the speedy and efficient enforcement of such liens."

Section 1183 of the California Code of Civil Procedure provides in part:

"Mechanics, material men, contractors, sub contractors, artisans, architects, machinists, builders, miners, teamsters, and draymen, and all persons and laborers of every class performing labor upon or bestowing skill or other necessary service or furnishing materials to be used or consumed in or furnishing appliances, teams, and power contributing to the construction, alteration, addition to, or repair in whole or in part of any building, wharf, bridge, ditch, flume, aqueduct, well, tunnel, fence, machinery, railroad, wagon road, or other structure or other work of improvement or performing of labor upon or bestowing skill or other necessary service or furnishing materials to be used or consumed in or furnishing appliances, teams and power contributing to the grading, filling in, or other improvement of any lot or tract of land or the making of any improvement in connection therewith, including within the meaning of said word 'improvement' any seeding, sowing, or planting of such lot or tract of land for landscaping process or the demolition of building thereon or the removal of building therefrom made or done on such real property shall have a lien upon the property upon which they have bestowed labor or furnished materials for the value of such labor done and materials furnished. . . ."

The Constitution of the State of California as well as section 1183 of the Civil Code seems to indicate that all persons furnishing labor and/or materials upon any building or structure are entitled to liens for the value of such labor or materials.

Although the Constitution and the Statute seems to include all persons performing labor upon or furnishing materials the fact of the case is that all persons are not entitled to liens even though they might actually have furnished labor or furnished materials. Every lien claimant regardless of whether he is a contractor, a material man or laborer must meet certain requirements of the lien law or the interpretation of the courts of the State of California before he is entitled to file a valid lien and unless such claimant can meet such requirements such claimant cannot file a valid lien.

Lien claimants have been segregated in the four divisions. The first is the "original contractor," the sec-

ond the "sub contractor," the third "material man" and the fourth "laborer."

Each group is given certain specific rights under the lien law and the rights of each group are not always the same.

In order to allow any claimant to file a valid lien such claimant must meet four requirements. This is so regardless of whether the claimant is a contractor, a sub contractor, a laborer, or a material man.

The four requirements may be stated as follows:

1. There must first be a valid contract. Unless there is a valid contract on which to base the lien no lien can be established.

2. The labor or material for which the lien is filed must be used or consumed in the building or structure on which the lien is placed.

3. The labor or materials on which the lien is based must have been sold for the purpose of going into the building or structure on which the lien is placed.

4. There must be a full performance of the contract or full performance must be excused.

If the lien claimant can meet the requirements as above set forth a valid claim of lien can usually be established.

The fundamental requirement of every lien is a valid contract. If the lien claimant does not have a valid contract or unless the law presumes that there was a valid contract it is impossible for the claimant to establish a valid lien.

Some time ago A purchased from B a lot for \$500.00, paying \$25.00 down, the balance to be paid at the rate of \$10.00 per month, and subsequent thereto commenced to build a house upon the lot. Before the house was completed A failed to pay for the lot and B threatened to take the lot away from A because A had not kept up his monthly payments. A thereupon filed a lien upon the lot for the value of the work done upon the house. The question immediately arose whether or not A could file a lien upon his own property. The law is well established that a man cannot lien his own job. The fundamental rule behind such a decision is no doubt the fact that there is no valid contract inasmuch as a man cannot make a valid contract with himself. In this case A had purchased the property upon a conditional sales contract and had commenced building the house. He could not enter into a contract as the owner of the lot with himself as the contractor for the erection of the house. If A had made a contract with C to erect the house C could have filed a valid lien because there would have been a valid contract between A and C.

Where there is a valid contract or which to base a lien it necessarily follows that there must be a substantial compliance of that contract before the claimant should be allowed to file a valid lien. If the lien claimant does not perform his contract he certainly should not be allowed to establish a valid lien and until his contract is completed he has no lien rights. However a substantial performance of the contract is all that is required and trivial imperfections or deficiencies which may be compensated by a monetary allowance does not prevent the attachment of a valid

lien. Full performance however, of the work—that is, a performance of the contract under which the lien is claimed, is a condition precedent of the filing of the valid lien.

The modification of a building contract does not effect rights of sub-contractors or material men. A contractor is not responsible for defects in construction due to faulty specifications furnished by the owner which were faithfully followed. A contractor need only perform his contract in a workmanlike manner and cannot be held for results either on implied warranty or otherwise so as to effect his right of lien. The failure of a general contractor to perform his contract or the negligence of a general contractor in the construction of the building or structure will preclude the general contractor from filing a valid lien. However, the failure of the general contractor to perform his contract or his negligence will not effect the rights of sub-contractors or of material men to file valid liens when such sub-contractors or of material men have valid contracts with the original contractor.

In order to entitle one to file a valid lien the labor or materials must have been actually used or consumed in the construction or alteration of the building or structure unless the labor or materials have been so used or consumed there can be no valid lien. Even where materials or fixtures are manufactured especially for a building and cannot be used elsewhere and are never used or consumed in the erection or construction of the building, valid liens for such materials or fixtures cannot be filed. *California Portland Cement Company vs Wentworth-118 Pac 103.*

The Supreme Court of California says in the Wentworth case:

"The fact that some of the materials were manufactured especially for use on the hotel building in our opinion does not effect these cases. They were not so used and each of the vendors of the materials was charged with the knowledge of the law which gave him no lien until his property has merged into the structure. Unless materials furnished . . . are actually employed in some part of the structure no right of lien exists on the part of the persons furnishing such materials but his right of action is a personal one against the owner."

Not only must the labor or materials be actually used or consumed in the structure but such labor or materials must have been sold for the purpose of going into the building or structure on which the lien is filed.

The Portland Cement Company sells to A a carload of cement. A sells the cement to B which cement is to be used and which is actually used in the construction of a building. The Portland Cement Company has never been paid for the cement and wishes to know if it can file a lien on the property. There is no question but that A can file a lien for the cement. However, the Portland Cement Company did not sell the cement for the purpose of going into the building in which it was used but it was sold to a distributor to be used as the distributor saw fit. Consequently the Portland Cement Company could not file a lien on the building in which its cement was used but would have to look to A for payment.

CLAY PRODUCTS INTERESTS IN ANNUAL MEETING AT LOS ANGELES

Ceramists and authorities on all branches of the clay products industry gathered in Los Angeles last Tuesday from all parts of the country to attend the annual convention of the Clay Products Institute of California held in the Architects Building.

More than 50 of the outstanding leaders of the industry representing about \$100,000,000 of invested capital listened to learned discourses and the latest trends in construction from such authorities as John J. Jessup, City Engineer of Los Angeles, W. E. Hotchkiss, Dean of the Graduate School of Business Administration of Stanford University, W. S. Dickey, head of the W. S. Dickey Clay Mfg. Company, largest manufacturer of vitrified clay sewer pipe in the world, Fred B. Ortmann, Vice President and General Manager, Gladding, McBean & Company, presiding President Robert Linton of Clay Products Institute, Vice President and General Manager of Pacific Clay Products and Norman W. Kelch, secretary-manager of the Institute.

Among the many addresses given, that of Mr. Linton reviewing construction prospects for 1930 in which he declared that construction in the West involving the use of clay products is decidedly on the up curve, created the closest interest. Optimistic forecasts of the amount of construction in the West coupled with the assertion that buildings of the future will be erected for permanence of both materials and earning power featured his talk.

A large gathering assembled for the Annual Convention Luncheon at the Elite Cafe. The convention closed late in the evening but many of the visitors are remaining over for informal discussion.

Among those present were the following:

Walter Boswell, Loula B. Merwin, T. C. Merwin, D. G. Pledge, E. G.

Girard and M. D. Shannon, Alhambra Kilns, Inc., Alhambra, Calif.

Raymond B. Collier, Norwood Howard and John R. Warfield of N. Clark & Sons, San Francisco.

Walter S. Dickey, W. S. Dickey Clay Mfg. Co., Kansas City, Mo.; N. A. Dickey, E. C. Moore and L. J. Duffey of W. S. Dickey Clay Mfg. Co., San Francisco.

F. B. Ortmann, A. L. Gladding, H. B. Potter, J. E. Stanton, Seward C. Simons, Wm. B. Phillips, V. W. Boget, J. F. Morgan and F. O. Wanaka of Gladding, McBean & Co., Los Angeles and E. M. Davids of Gladding, McBean & Co., San Francisco.

D. W. Hancock, C. P. Hancock & Son, Riverside.

Gus Larson and W. C. Reordan, Los Angeles Brick Co., Los Angeles.

W. W. Dennis, McNear Brick Co., San Francisco.

Robert Linton, Wm. McClintock, Wm. D. Hargrave, Roy Lacy and A. T. Wintersgill of Pacific Clay Products, Los Angeles.

J. Fred Eulisch, San Luis Brick Works, San Luis Obispo.

Eric A. Douglas and F. M. Taylor of Santa Monica Brick Co., Los Angeles.

Walter R. Simons, Simons Brick Co., Los Angeles; John V. Simons, Standard Brick Co., Los Angeles; Allan M. Spahn, Torrance Brick Co., Torrance; J. W. Rice, Union Brick Co., San Diego; Jack Butler Jr., Valley Brick Co., Sacramento.

G. A. Wild, E. C. Marsh, H. E. Stock and R. O. Sanders of Western Brick Co., Los Angeles.

John J. Jessup, City Engineer of Los Angeles; W. T. Knowlton and R. W. Stewart, Engineering Dept. of Los Angeles; W. E. Hotchkiss, Stanford University.

M. C. Poulsen, Engineer and Norman W. Kelch, Secretary-Manager, Pacific Institute of California.

REVISED EDITION OF CALIFORNIA CONTRACTORS' REGISTER

Announcement is made by George Finney and H. L. Boyd, publishing the Licensed Contractors' Register of California, that they are now getting out a revised edition of the register with changes, corrections and additions to date. This is the only published register of licensed contractors. It is printed in loose-leaf form, 9x12 inches, so that sheets containing additional names and corrections, which are furnished weekly to patrons, may be easily inserted.

As the register now contains more than 13,000 names and would be too bulky for a single volume, it has been divided, the contractors of the southern district being segregated in one book and those of the northern district making up another.

The list of licensed contractors is printed two ways, one being made up alphabetically and the other being classified. In the latter list the contractors are segregated by counties and cities and arranged alphabetically. This classification is made up by the publishers from the application blanks filed with the Registrar of Contractors. A total of 107 different classifications is used. Key numbers, combined in some instances with letters, following the names, indicate the various classifications under which a contractor is licensed.

Contractors are classified in the register under the first designation given in their application blanks, others being indicated by key numbers. There are 8 classifications of general building contractors, 20 classifications of general engineering contractors and 78 classifications of sub-contractors.

No attempt is being made by the Registrar of Contractors to classify contractors according to their particular lines of work. They are listed in his office alphabetically with segregations by counties and cities only.

In addition to the names of licensed contractors, the register contains a digest of various state laws which concern contractors and violation of which may affect their right to retain a license; also the text of the contractors', architects' and engineers' license laws. Publishers of the register have their headquarters at 408 Spring Arcade Bldg., Los Angeles.

STEEL INTERESTS TO MEET AT DEL MONTE

To formulate plans for a sound and orderly expansion of the iron and steel industry in California, one hundred and fifty executives of the iron, steel and allied industries of the state will meet at Del Monte February 13, 14 and 15. The meeting will be held under the auspices of the California State Chamber of Commerce.

During the past five years, the chamber points out, the iron and steel output of the state has been doubled, until it now represents approximately 20 per cent of the industrial structure of California. Many important expansions have been made with existing industries and new plants have been established in more effectively serving the Pacific coast iron and steel products.

John Fernandez, general contractor, and Karl M. Davies, mason contractor, have filed applications for membership in the Sacramento Builders' Exchange.

Annual meeting of the American Wood Preservers Association will be held in Seattle, Wash., January 23, 25 and 30.

INDUSTRIES VOTE PUBLICITY FUND TO FINANCE HOME CAMPAIGN

Formal approval of a plan involving a fund of \$500,000 to be used in a nation-wide movement to point out the present favorable condition for building and remodeling projects was voted by a delegation of the national building industries. It is announced by the National Business Survey Conference, formed at the instance of President Hoover.

The industries will be asked to appropriate this sum immediately in a unified program of action to remove whatever factors hamper expedient construction work and to make the most of those opportunities available in the field of home building and home ownership. It was stated.

To this end the conference recommended the creation of a permanent research group to keep in touch with the building needs in various sections of the country. It was explained. This body would coordinate its activities with governmental and other research organizations, giving particular attention to the danger of overbuilding in those communities where existing facilities adequately serve the requirements of the near future, it was pointed out.

Establishment of a special home-financing committee to encourage the availability of funds for building and for remodeling or modernizing was favored by the conference, it was said. One of the functions of this group, it was determined, would be directed toward bringing back into normal channels of expenditure money that had been diverted to speculation and similar uses.

An executive committee of representatives of the construction industry was formed to consider proposals for further action in carrying out the program for a united campaign to stimulate building, as approved by the conference Jan. 21 at the United States Chamber of Commerce, it was announced.

Approximately eighty organizations, comprising building supply and materials enterprises, contractors associations, building employment councils, financial associations, equipment trades, architect institutions, research and publishing societies, and allied interests, will join the campaign to promote construction, according to the conference.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

There will be no more jurisdictional strife among building trades unions if an agreement drawn up by the executive committee of the American Federation of Labor's building trades department is adopted. A national board or a series of regional boards would be set up under the agreement, to settle any disagreement over which set of craftsmen shall do new types of construction work. If regional boards are selected, then a national board or court of appeals would be appointed, to which any union might appeal if displeased with a decision. Another feature of the agreement is that there shall be no cessation of work while the dispute is being adjusted. Architects and engineers will not be represented on the new board.

A national five-day working week agreement, with five and one-half days' pay, has been signed by the United Association of Journeymen Plumbers and Steam Fitters of the United States and Canada, and the National Automatic Sprinkler Association. This is the first five-day week movement that is national in scope, according to T. E. Burke, secretary-treasurer of the United Association.

Time hereafter in Soviet Russia may be dated from November 7th, 1917, when the Bolshevik revolution began. A special governmental commission approved this project and the cabinet is expected to adopt it. Under the plan, the year would be divided into twelve months as at present, but each month would have six weeks of five days each. Saturdays and Sundays would be abolished from the Soviet calendar.

The Los Angeles city council has been requested by the City Building Safety Commission to amend the present city ordinance to enable the city building department to assist in the enforcement of the state law requiring building contractors to be licensed. Such action is necessary, in the opinion of the city attorney's office, to give the department authority to require all contractors applying for building permits to show that they have complied with the law and are registered.

Eventual elimination of all wooden school buildings in Oakland, many of which are now classified as fire hazards, is the program of the Board of Education, which will be carried out as soon as funds are available. A bond issue to finance the work is contemplated. Until the bonds are voted, proper precautionary measures against fire, as recommended by Fire Chief William G. Lutkey, will be taken to guard the welfare of pupils attending classes in the wooden structures.

The Los Angeles city council has instructed City Attorney Werner to draw up an ordinance regulating the manufacture and sale of gas stove and heater tubing in the city of Los Angeles. The ordinance was recommended by the building and safety committee due to the many deaths of persons being overcome by gas from leaky tubing. The ordinance will keep all inferior brands of tubing off the market in the southern city.

"Effective March 1, 1930, the West Coast Lumbermen's Association will inspect at mills and reinspect at point of unloading only on Standard Grading and Dressing Rules No. 9, dated July 1, 1929. This ruling is to be interpreted to permit inspection and reinspection without change on all lumber bought prior to March 1, 1930. Lumber sold under the No. 9 rules, as to grade, but of sizes other than those specified therein, will be inspected and reinspected as coming under special contract. Stocks as to grades in the previous editions of West Coast Lumbermen's Association grading rules will not be inspected or re-inspected by the Association's Grading Department after March 1, 1930." This is the text of a notice just issued by the association.

Californians operating trucks or other commercial vehicles in the State of Oregon are advised by the California Division of Motor Vehicles of a new law in that state prohibiting the operation of any motor vehicle equipped with other than pneumatic tires after July 1st next. Since January 1st it has been illegal to operate any motor vehicle, trailer or semi-trailer in Oregon equipped with solid tires unless kept within a zone of three miles from the incorporated limits of any city, when the combined weight of the vehicle and load exceeds 18,000 pounds. The only exception to this law is where special permission is obtained from the Oregon State Highway Commission to operate on state roads and from county courts to operate on county roads for temporary periods.

The Santa Clara Valley District Council of the United Brotherhood of Carpenters and Joiners has adopted the five-day week working plan, effective in February, it is announced by Bert P. Ward, secretary of the council. The pay will remain at \$9 per day, the weekly pay being for five days instead of five and a half as at present. The cut is designed to help relieve unemployment by dividing the work among more men, Ward explained.

Industry, the public and reputable general and public works contractors will be protected against bidders for construction work whose previous job performance has been unreliable, if the Associated General Contractors' plans are carried out to determine pre-qualification standards of firms and individuals contending for construction awards. Methods for weighing bidders' previous performances, based on the quality of previous work, whereby wasteful and inefficient contracting firms would be listed in the same derogatory category with those guilty of unfair practices and fraud, were detailed to the 1000 delegates of the Associated General Contractors of America meeting in New Orleans recently.

Construction will be started at once on a new plant for the New England Sheet Metal Works of Fresno. The company is now located at 301 Broadway, Fresno. The new plant will be one-story in height of brick construction, covering an area of 50 by 140 feet.

American portland cement mills continue to show a decline in the ratio of operations to capacity as indicated by the figures for 12 months' period ending December 31. According to statistics released by the Bureau of Mines of the Department of Commerce the ratio of operations for the last 12 months was 65.4 per cent. The ratio percentage has fallen from a maximum of 71.1 per cent for twelve months ending April 30 to 65.4 per cent for twelve months' period ending December 31, 1929. During the month 11,215,000 barrels were produced, 5,908,000 barrels were shipped, and stocks on hand at the end of the month were 33,519,000 barrels. Production for December 1929 was 8 per cent less and shipments 20 per cent less than December 1928. Stocks at the mills were 2.6 per cent higher than a year ago.

Money invested in the erection of new buildings for industrial purposes in Pacific Coast cities during 1929 amounted to nearly 45% more than in 1928 and reached a total of more than \$33,000,000, according to estimates made by the National Monthly Building Survey of S. W. Straus & Co. A detailed analysis of building department reports from 15 principal cities, shows a total of \$23,633,822 in building permits issued for industrial buildings during 1929. The year's total of all permits issued by these cities amounts to about 71% of the grand total of \$375,780,000 for the 100 cities comprised in the Straus survey. During 1928, these 15 cities issued but \$16,393,426 in permits for new industrial buildings and it is estimated the comparable figure for the 100 cities tabulated amounted to more than \$23,000,000. While the 1929 investment in new industrial buildings was notably greater than in 1928, and that for commercial buildings was slightly greater, there was for 1929, a marked reduction in projected public buildings and in residential construction of all kinds.

As a result of the "paving war" in Oakland, Mayor Davies introduced the following resolution to the city council which was adopted by a vote of 4 to 1: "Henceforth, open specifications shall be used in calling for bids upon all materials, supplies, public works or improvements to be purchased or performed by the city of Oakland; provided, however, that nothing here in contained shall be construed to limit or prohibit the city council from waiving, by ordinance, the requirements of this ordinance when necessary to conserve the best interests of the city."

R. F. Herrod of the Pacific Portland Cement Co., 111 Sutter St., San Francisco, is offering for sale a quantity of surplus equipment at Cement, Solano County. The list includes ball mills, blowers, cranes, cars, conveyors, crushers, coolers, driers, elevators, stacks, ice plant, kilns, locomotives, motors, shovels, tanks, tube mills, sewing machines, boilers, scales, etc.

One hundred and five old buildings were razed in Sacramento during 1929, under the direction of J. R. Shields, city building inspector and M. J. Dunphy, fire chief. In 1928, about 60 old buildings were torn down. Construction of new homes and apartments, valued at \$2,578,604, represented more than half the total of building permits taken out in 1929, according to Shields, while \$715,775 was expended for remodeling and repairs. The 1929 building total of \$4,409,245, was less than the 1928 total.

ALONG THE LINE

TRADE NOTES

HERE — THERE —
EVERYWHERE

Martin Polk, city engineer of Chico, has been appointed a member of the City Planning Commission, succeeding J. R. Head, resigned.

W. Adrain announces his withdrawal from the partnership of Pierre Zucco and W. Adrain Co., consulting engineers, and will in future carry on a structural and consulting engineering business at 417 Market street, San Francisco.

Master Painters' Association of Washoe County, with headquarters at Reno, Nevada, inactive for some time, has been reorganized. The association at a recent meeting elected W. H. Curtin, president; O. R. McGinty, vice-president and Bert Heagney, secretary-treasurer.

Unconfirmed reports from Sacramento are to the effect that Albert Glivan, chief engineer of the Sacramento Public Municipal Utility District, will succeed Bayless C. Clark as city engineer of the capitol city. It is expected the appointment will be made within the next few days by James Dean, Sacramento architect, recently appointed city manager.

B. H. Laklin, general manager of the McCloud River Lumber Co., is the new president of the California White Pine & Sugar Pine Manufacturers' Association. Bernard F. Scott is the acting secretary-manager.

James Clifford, vice president and general manager of the Sugar Pine Lumber Co., has been anointed general manager of the Yosemite Lumber Co. at Merced Falls. The Sugar Pine and Yosemite concerns were recently merged.

W. J. Robertson, 65, for the past 40 years a resident of Oakland and assistant manager of Crane Co., San Francisco, died at the Peralta Hospital, Oakland, January 24, following a brief illness. He was a native of Ontario, Canada, and came to California in 1890.

Present day trends in highway construction and the characteristics of the principal types of pavement were discussed by James Quinby, San Jose paving contractor, and Robert Chandler, county surveyor of Santa Clara county, before the weekly meeting of the Lions' Club at the Hotel Sainte Claire in San Jose, Jan. 22.

Pacific Structural Welding Corp., capitalized for \$20,000, has been incorporated in San Francisco. Incorporators are: Bonner Whitcomb, Henry Isings, W. Thomas, P. Maeder, William Hurley and Nina H. Chase.

Richard B. Carr, manager of the heavy products department, U. S. Steel Products Co. of San Francisco, has resigned from that position and has announced his intention of retiring from business activities.

Chain Belt Company sales for 1929 are just over eight million dollars. This is \$900,000 more than in 1928, according to C. F. Messinger, general sales manager. It is expected that the Chain Belt Company's earnings for 1929 will be \$7.00 per share. For 1928, they were \$5.27, and the average for five years is \$5.10.

United States Gypsum Co., Chicago, Ill., announces that the distribution of Chromite, a metal alloy tile, cemented in sheet form over walls and ceilings, will hereafter be made through their organization.

Paramount Mfg. Co., manufacturers of steel bathroom cabinets and Venetian mirrors, has opened headquarters at 5259 Mission street, San Francisco, with Wm. Remstedt in charge of sales.

Standard Building Materials Co., Ltd., of San Francisco, has been incorporated. The capital stock is \$20,000. Incorporators are J. D. Murphy, James A. White and F. Steinbauer.

Geo. B. Fackl has been named assistant general manager of Gladding, McBean & Co., and will maintain headquarters at the Los Angeles office of the company. Mr. Fackl is a recognized authority on terra cotta and a graduate ceramic engineer. He was formerly vice president and general manager of the Northwestern Terra Cotta Company of Chicago, the largest manufacturer of terra cotta in the Middle West, and was the organizer of the Denver Terra Cotta Company, which was later merged with the Northwestern.

Tractor Equipment Co. of San Francisco, capitalized for \$200,000, has been incorporated. Incorporators are Milton W. Anderson, E. M. MacMahon, James M. Anderson, Arthur G. Herring and Garton D. Keyston.

American Pipe & Steel Corp., Ltd. of Los Angeles, has added the Elgin water softening, boiler feed water deconcentrating and filtration equipment to its line of coast manufactured products. According to executives of the company this marks the first time that patented, protected and proven equipment of this character has even been offered by any western manufacturer. For many years Elgin water softeners have been in general use throughout the United States and the equipment now being manufactured by the Los Angeles firm is identical with Elgin construction and is built under the basic patents owned by the Elgin Softener Corp.

Samuel Leib is operating from 1830 Beach Street, under the firm name of National Sheet Metal Works.

Construction is under way on a new plant for the Handicraft Tile Company at Milpitas, Santa Clara County, to replace the present plant in Eighteenth St., San Jose, according to Leslie Austin, manager of the company. The plant will turn out handmade tile for all purposes.

Miss F. Luena Williams, age fifty years, living in her own home in Brookline, Mass., a home economics teacher in the Weymouth High School, East Weymouth, won the \$250 prize offered by the National Association of Real Estate Boards for the best definition of the word home. "Home," says Miss Williams, "is a domestic sanctuary—wrought out of desire—built in memory—where kindred bonds unite the family in sharing labors, leisure, joy and sorrows."

Porterville, Calif., city council has adopted a new building and plumbing ordinance. The law was adopted on the recommendation of City Manager F. W. Pease.

Adoption of the five-day week for workmen employed by the city of Stockton and the County of San Joaquin is urged in a public statement issued by the Building Trades Council of San Joaquin County over the signature of E. J. Murphy, secretary and business manager of that body.

J. H. Shepard was elected president of the Sacramento Builders' Exchange at the annual meeting of that organization. Geo. C. Foss was elected vice-president; Orland Coss, treasurer and L. S. Patterson, secretary. Directors elected to serve for the ensuing year are Fred N. Benton, John B. Hawley, H. H. Holland, C. J. Hopkinson, Earl Markwart, Jos. P. Moore, Al. W. Simmonds and Lester Wilkinson.

The National-American Wholesale Lumber Assn. will hold its annual convention at Atlantic City, N. J., April 9 and 10.

Contractors of Alturas, Calif., have organized the Contractors' Association of Modoc County for avowed purpose of protecting prospective builders and themselves against shoddy work. Frank Moore of the Alturas Building & Development Company is president of the organization.

Morton C. Tuttle Co., Boston, Mass., has issued a 4-page brochure, "The Road to Economy in Building," pointing out the importance of proper design in building development and the value of close co-operation between the builder and the designer in developing plans.

Sumner Spaulding has been elected president of the Architectural Club of Los Angeles. Other officers are: Vice-presidents, Fitch Haskell, Ralph Flewelling and Luis Payo; treasurer, Kemper Nomland; secretary, Rene Mussa; manager, George P. Hales; directors, J. E. Stanton, Julian Garnsey and Robert Lockwood.

TRADE LITERATURE

A 44-page loose-leaf type catalogue to describe their complete line of radiators has been published by the McQuay Radiator Corporation, Chicago, Illinois. This catalogue is replete with illustrations, tables and specifications.

A bulletin which fully describes and illustrates their line of tapered asbestos shingles has recently been published by the Mohawk Asbestos Slate Co., Inc., Utica, New York.

The Kerner Incinerator Co., Milwaukee, Wis., has issued a booklet on the "Estate Type Kernerator," an incinerator for homes, schools, country estates, cemeteries, etc. The booklet fully describes and illustrates the product. The company has also available for distribution seven other booklets covering various types of incinerators and waste disposal units.

ENGINEER STRESSES NEED OF FAIR CONTRACTS

The aim of contracts is to establish a fair working agreement for all concerned, according to James H. Griffin, vice-president of the American Association of Engineers of Chicago and engineer with the New York Board of Transportation, in his article, "Engineering Contracts," in the January issue of Professional Engineer, monthly publication of the American Association of Engineers.

Mr. Griffin says of a fair contract: "This is not only for economy and soundness of construction, but a one-sided contract is likely to fare badly in case it is litigated. Unfairness may be due not only to arbitrary clauses; it may frequently be due to failure to furnish the contractor with full and complete information on which to base his bid." Mr. Griffin warns that either party may be unscrupulous and ready to take advantage of any weakness.

One contract for the entire job is preferable to several contracts for various parts of it. This makes engineering supervision easier and more economical and reduces the difficulties that come with having several contractors responsible.

Mr. Griffin discusses the three most common bases of payment and shows how they affect the type of contract. The lump sum type is applicable to work where the units can be accurately estimated in advance. The lump sum contract has no flexibility and thus subjects the owner to difficulty if changes in plans need to be made. This type of contract should have a clause providing for such changes. A modified lump sum contract has more flexibility.

The unit price contract is applicable when exact estimates of costs and amounts cannot be made in advance, as in underground work. Such a contract is flexible, but its weakness is that it permits of juggling of figures. This introduction of a gamble on prices should be avoided if possible.

CHINA TO SPEND HUGE SUMS FOR RADIO STATIONS

Expenditures of \$3,000,000 for the construction of radio stations for the transmission of messages between China and America, and China and Europe, will be included in the proposed \$10,000,000 telegraph loan which will be floated shortly by the Chinese government, according to a report from Trade Commissioner Frank S. Williams made public January 18 by the Department of Commerce. In order that the ministry of communications may terminate the special privileges hitherto granted to foreign companies the government will devote \$4,000,000 to settle outstanding obligations to the Eastern Extension Telegraph Company and the Great Northern Telegraph Company, the report adds.

U. S. BOMBING BASE FOR SAN RAFAEL IS ANNOUNCED

Official assurance that San Francisco will be made the center of the U. S. Army aerial activity is contained in letters from Secretary of War Patrick J. Hurley who announces that the Marin Meadows site, north of San Rafael, has been determined upon for a general bombing base and that the site adjoining the Alameda Airport has been accepted as the Army's general air depot and repair shops. Contemplated improvements will involve an expenditure in excess of \$5,000,000.

PRESIDENT HOOVER SEEKS AMICABLE SETTLEMENT OF STRIKES

Hope that the building trades union of the country might shortly find some method of amicable settlement of jurisdictional strikes, was expressed in a letter from President Hoover, read at the conference of building trade leaders in Tampa, Fla., Jan. 24. The letter said in part:

"To find a method for the amicable settlement of jurisdictional disputes is indeed one of the most important questions in our labor or relations. It is capable of solution. Failure to solve it results in losses to labor, to the employers, and the public at large.

"It is evidence of the advancing understanding of the whole of our social and economic problems that this conference should take place, and I am indeed glad to wish success to your endeavors."

NATIONAL CONVENTION PLANS ARE PROMOTING

Plans for the nineteenth annual convention of the National Association of Builders' Exchanges, to be held in San Francisco February 10, 11, 12 and 13, are progressing, it is announced by Wm. H. George, president of the San Francisco Builders' Exchange and chairman of the committee in charge of arrangements for the national meet.

"This will prove a great housewarming for the building industry," Mr. George says. "Two special trains have been arranged for, one out of Chicago known as the Special and another out of New Orleans, known as the Blue Special.

"Communications have been sent out to all non-members of the National Association of Builders' Exchanges and affiliated building organizations requesting them to send delegations to take part in the proceedings," Mr. George continued.

On Thursday evening, February 13, the convention will close with a banquet. Arrangements are being made to seat 1000 persons at this affair.

Wide publicity has been given the convention throughout the East with the aid of stickers and banners and coupled with the direct mail solicitation from the National Exchange headquarters in Washington, D. C. and the local committee, it is expected the meeting will draw the largest attendance of any construction industry convention ever held on the Pacific Coast.

LOS ANGELES REORGANIZES CITY DEPARTMENTS

In a recent reorganization of the Los Angeles department of water and power two subdivisions were recreated: the bureau of power and light, with E. F. Scattergood as chief engineer and general manager, and the bureau of waterworks and supply, with H. A. Van Norman as chief engineer and general manager, both reporting to the board of water and power commissioners. Additional personnel also was announced as follows: H. C. Gardett, engineer of electrical design and construction, and C. P. Garman, assistant; T. A. Panter, engineer of electrical operation, with Roy Martindale, assistant. Both Mr. Gardett and Mr. Panter report to Mr. Scattergood. Reporting to Mr. Van Norman are W. W. Hurlbut, engineer of water distribution and operation; James E. Phillips, engineer, Owens River aqueduct; and Frank E. Weymouth, engineer of design and construction.

PORTLAND A. G. C. ELECTS

W. T. Jacobsen, past treasurer, has been elected president of the Portland Chapter, Associated General Contractors of America. J. C. Compton was elected vice-president in charge of the public works division and Robert Wallace, vice-president in charge of the building division. J. A. Lyons was elected treasurer. Directors elected are: J. J. Badraun, J. F. Gilpin, Philip Hart, J. C. Compton, R. L. Crooks, Gordon Weygandt, A. M. Swartley, F. H. Cochran, M. Farelus, Robert Wallace, I. L. Young, Fred Christenson, W. T. Jacobsen, J. A. Lyons, George B. Kibbe. Past presidents to serve: C. T. Parker, C. M. Stebinger, T. W. Baker. National officers to serve: W. H. Feigenson, T. H. Banfield.

A. G. C. PROMOTES STANDARDIZATION OF BUILDING MATERIALS

Co-operation between the Associated General Contractors of America and the Bureau of Standards of the Department of Commerce during the past year has resulted in definite progress being made in the standardization of sizes and varieties of material used in the construction industry. Through standardization, a real saving in construction will be effected, officials of the association announce. The most important work during the last year involved the standardization of masonry openings, which will necessitate standardization of metal sash and trim, millwork, face brick, hollow tile and other materials. The development of necessary information was carried on by the Associated General Contractors of America and other agencies.

BUILDING MAINTENANCE

The National Association of Building Owners and Managers has "taken very definite action to carry out a program of increased expenditure for necessary maintenance and improvement works throughout the seven billion dollars' worth of office buildings in their membership," according of a recent announcement. Managers of office and apartment buildings have been urged to make a careful survey to determine needed improvements and repairs which may be made during coming months in the interest of general industrial activity.

LUMBERMAN PASSES

George W. Johnson, 77, lumber operator of the middle west and Pacific Coast, died at Sonora, Calif., January 11. Johnson came to California in 1902 and with W. R. Thorsen, J. R. Prince and Charles Canfield purchased the West Side Lumber Company at Tuolumne from the Crocker interests and operated the property until it was sold recently to W. R. Chickering of the Chickering Lumber Company. Johnson also was interested in the First National Bank of Sonora and the Tuolumne County Bank and had served as president of each for the last 25 years. He was born in East Saginaw, Michigan.

NEW EXCHANGE BLUFFS

R. B. McKenzie of Red Bluff and McDaniel & Burroughs of Marysville, general contractors, have been admitted to membership in the Sacramento Builders' Exchange, it is announced by L. S. Patterson, secretary of the organization.

shall be paid out of the proceeds of a judicial sale of the property described therein, in preference to any estate, charge or lien of which the claimant had not actual or constructive notice at that time, except municipal and tax claims and the exemption provided by law." The purpose of this section is, however, an entirely different one from that of section 23, and cannot properly be so construed as to limit the scope of the latter. To sustain appellants' argument section 13 would have to be so interpreted as to prevent the waiver of the right to file a lien in any case, though this right is expressly provided for in section 15. The only relevant purpose of section 13 is to prescribe the order of distribution after a sheriff's sale, whereas section 23 is intended to determine equitably the rights of adverse parties, so that each may know what his status will be in case of and before such sale. Moreover, appellants wholly overlooked the fact, to which we have already adverted, that their contention would limit the scope of the language of section 23, which, as a remedial provision, cannot be thus restricted.

We, therefore, hold that section 23 means exactly what it says, and may be invoked in any and every case where "for any reason [legal or equitable] the [mechanics' lien] claim is postponed to the rights of the petitioner;" that appellants' claim is postponed as to appellee; and hence the order of the court below is affirmed.

CONTRACT VIOLATED BY TAKING NOTES FOR CASH

When a creditor has accepted notes as payment for a part of the half a contract price which should have been paid in cash according to agreement, the surety company is not liable for the payment of the sum represented by the notes which remain unpaid because of the bankruptcy of the principal, is the decision of the Circuit Court of Appeals for the Third Circuit.

The case was brought into court in Pennsylvania when a cement dealer who had been supplying a construction company with cement accepted notes in part payment of a sum which should have been paid in cash, the terms of payment calling for one-half in cash with 10 cents a barrel discount and the other half in notes with 5 cents a barrel discount. The construction company went into bankruptcy and the suit was brought to recover the amount due the cement dealer represented by the notes which he had received but not yet collected on. The decision of the court held however that the surety company was liable for payment of the sum representing the other half of the debt which it had been agreed would be paid in notes.

A. I. A. SEEKS TO ELIMINATE BILLBOARDS

An appeal for nation-wide campaign to abolish billboards and kindred forms of outdoor advertising throughout the United States was sounded January 13 by the American Institute of Architects.

Following a meeting of the Board of Directors, C. Herrick Hammond of Chicago, president of the organization, announced a resolution has been adopted demanding the removal of billboards, signboards and related structures from the roads, highways and boulevards of the country.

"This selfish desecration of the landscape," the resolution adopted by the board declared, "has aroused the an-

tagonism of those whose journeys by boat, train and automobile are rendered disagreeable and dangerous by such blantant and obtrusive ugliness.

"The Institute through its chapters and individual members residing in all sections of the country, is convinced that this type of advertising is highly objectionable to a great majority of good citizens.

"The board hereby calls to the attention of the civic organizations of the country, the public, the press and the legislative bodies of the several States, a national condition which we regard as inexcusable on either aesthetic or economic grounds.

"The board earnestly urges that those agencies which are properly concerned with the cultural and spiritual welfare of the American people, as well as those concerned with their material well-being and safety, take vigorous action through the various means at their command, to bring about by regulation, legislation or the force of public opinion, the complete removal of billboards, signboards and related structures from the roads, highways and boulevards of the country, except in such limited areas as may be set aside for such advertising by direct action of the proper authorities."

CONSIDERING PRICE IN BIDS ALONE IS FALLACY

The Rolling Printing Company of St. Louis, Missouri, in their house organ entitled *Printing*, recently published some remarks indicative of the fallacy of buying on low bids without consideration of quality. The comments are as follows:

"When the river rose, the dam gave way. There was too much sand and not enough cement. The lowest bidder had built it.

"When the rains came, some cellars leaked and had to be pumped out. The lowest bidder had dug them.

"When the gales came, some houses went along with them. The lowest bidder had built them.

"And then rebuilding started. Some structures stopped halfway. The lowest bidder had made a mistake. Specifications changed and more delays occurred. The lowest bidder had made more mistakes.

"And that is the way it generally goes when only price is considered. When you buy solely on price, you can never be sure. It's unwise to pay too much, but it is much worse to pay too little. When you pay too much, you lose a little money—that's all. But when you pay too little, you sometimes lose everything because the thing you bought was incapable of doing the thing it was bought to do.

"The common law of business balance prohibits paying a little and getting a lot. It can't be done."

OWNER MUST PAY NOTE ON BREACHED CONTRACT

Contrary to the opinion of a majority, a person is bound to pay a note, obtained by an innocent party in good faith, although the contract on which the note is given is not performed, says The Constructor, A. G. Corporation.

For example, in *Lozano vs. Meyers*, 18 S. W. (2d) 639, it was disclosed that a contractor and an owner entered into a contract whereby the former agreed to construct a building for \$47,000. The owner gave the contractor two notes, one for \$45,000 and the other for \$2,000, it being agreed that the contractor should secure a loan and finance construction of the

building. The contractor failed to finance the construction work, thus resulting in both notes and the contract being void.

However, it developed that previously the contractor had sold both notes to a man named Thompson, who had no other notice or knowledge of the terms of the agreement that had been made between the parties than his reading of the "building contract" and the note given him.

Soon afterwards a man named Purdy acquired the notes and contract from Thompson without knowledge that the contractor had breached the contract.

The owner refused to pay the amount of the notes on the contention that the contractor had breached his agreement and had failed to finance the work or construct the building.

However, it is important to know that the higher court held the owner bound to pay the note, saying:

"The note is a negotiable instrument, and Purdy is holder in due course. Since the latter had no knowledge or notice, at the time he acquired the note, that the consideration therefor had failed, he does not lose the character of holder in due course, even though the 'building contract' and note be taken as imparting notice."

BILL PROPOSED TO INCREASE TREE PLANTING

Harold Knutson of Minnesota has introduced a bill in the House of Representatives, to authorize the Secretary of Agriculture to enlarge tree planting operations on national forests east of the Rocky Mountains. The bill authorizes an appropriation for the fiscal year ending June 30, 1933, of \$150,000; for the fiscal year ending June 30, 1933, \$300,000; and for each fiscal year thereafter, \$400,000, to enable the Secretary of Agriculture to establish and operate nurseries, to collect or to purchase tree seed or young trees, to plant trees, and to do all other things necessary for reforestation by planting or seeding national forests east of the one hundred and second meridian of longitude and for the additional protection, care, and improvement of the resulting plantations or young growth.

POWER LINE STARTED

Construction has been started by crews of the San Joaquin Light and Power Company on a 48-mile steel transmission line from Merced to Fresno. The cost is placed at \$720,000. The line will make possible the direct transmission of high voltage electricity from the Great Western Power Company over the tie-line between Merced and Sacramento.

INFLUENCE VIA ADVERTISING

Where formerly the newspaper's influence was through its editorial columns, it now has its greatest effect through its advertisements. So Wm. Allen White, editor of the *Emporia Gazette*, told members of the Kansas Press Association at their annual banquet. White said: "Advertisements tend to make people dissatisfied with what they have and wish for better things and the race is benefited. As a nation we are building through advertising instead of government and it is proving a better way."

An upward trend in industrial and building activity, with a decrease in unemployment, is predicted in the latest report of the U. S. Department of Labor on employment conditions on the Pacific Coast.

MECHANICS' LIEN IS SUBJECT TO MORTGAGE ON COMPLETE BLDG.

The Supreme Court of Pennsylvania has held that even though the waiver of the right of a sub-contractor to file a mechanics' lien against certain property under construction is induced by the fraud of the contractor in representing that he is the owner of the property, such waiver may constitute sufficient grounds to postpone the mechanics' lien claim, subsequently filed, against the property to a claim under a mortgage which was given by the true owner after the construction had been completed.

The claimant under the mortgage petitioned under section 23 of the mechanics' lien act of 1901 to have it decreed that the mechanics' lien claim "is postponed to the rights of the petitioner," which the statute provides shall be decreed if the facts and circumstances warrant.

The appellate court held that the lower court had properly ruled that the mechanics' lien claim should be postponed, since by the waiver and the recitation in the recorded contracts with the general contractor that all agreements and inducements were contained therein, the appellants were equitably estopped as to third parties without notice of the fraud alleged to assert a lien. The risk of such fraud can not be placed on innocent third part purchasers or mortgagees, it was ruled.

Harry Toll and David Toll, Etc.

v.

Harry Beckerman, Etc.
Pennsylvania Supreme Court.
No. 293, January Term

Appeal from order of the Court of Commons Pleas No. 4, of Philadelphia County.

Opinion of the Court

Simpson, J.—The Malvern Hotel Apartments Corporation, hereinafter called Corporation, entered into a contract with Henry Beckerman for the erection of a building on its property. He, in turn, contracted with appellants, naming himself as owner, for the doing of certain work in the course of construction. Each of these contracts contained a waiver of the right to file a mechanics' lien claim, and each was duly entered in record. Later, appellants filed such a claim, alleging therein that they had been deceived into agreeing to the waiver by the false and fraudulent representations of Beckerman (1) that he was "a person of strong financial means and responsibility," and (2) "that he was the real and registered owner of the property."

After the work on the building had been completed, appellee loaned the Corporation the sum of \$25,000, taking a mortgage on the building at the time of its recording being subsequent to that averred in appellants' lien as the date of the visible commencement of the construction work on the ground. Because of this, if the property had been sold at sheriff's sale while the record was in that state, the mortgage would have been discharged, and hence appellee filed a petition under section 23 of the mechanics' lien act of June 4, 1901, P. L. 431, 442, to have it adjudged that appellants' "claim is postponed to the rights of the petitioner," as mortgagee. Appellants answered averring that the waiver in its contract with Beckerman was void

because of the same alleged false and fraudulent representations set forth in its claim as above. The case was heard upon petition and answer; an opinion was filed stating that the first of the alleged false and fraudulent representations had not been pressed, and since, also, it was not argued in this court, it must be treated as abandoned: *Miners State Bank v. Aukstokalnins*, 283 Pa. 18; *Wagner-Taylor Co. v. Spinelli*, 295 Pa. 455. The court below concluded that the second of the alleged misrepresentations, even if appellants' allegations were true, did them no harm so far as concerned the question to be decided. It therefore granted the prayer of the petition, and the mechanic's lien claimant appealed.

Appellants have made an elaborate and ingenious argument to sustain their contention, but we cannot agree with it. Section 23 of the statute, under which the petition was filed, provides that "any party having a lien against, estate in, or charge upon the property included in such [mechanics' lien] claim, may file his petition, under oath or affirmation, averring that the date mentioned in the claim as the time when the structure or other improvement was commenced is incorrect, or that the claim is filed against more land than should be justly included therein, or that for any reason the claim is postponed to the rights of the petitioner, and praying an appropriate decree * * * [and the court shall then] make such order or decree as the facts shall warrant." Admittedly the important question to be decided is, therefore: Do the admitted facts disclose any reason why appellants' claim should be "postponed to the rights of the petitioner"? In answering it, we must bear in mind that the section is highly remedial in character, intended to prevent in the future the injustices made possible under the preceding statutes (see *Reading v. Hopson*, 90 Pa. 494; *Eckels v. Stuart*, 212 Pa. 161; *Citizens Bank of Palmerton v. Lesko*, 277 Pa. 174) and hence "is to be construed by giving the words used the largest, the fullest, and the most extensive meaning of which they are reasonably susceptible": *Cresson Borough v. Seeds*, 286 Pa. 283, 285.

When appellee loaned to the corporation the \$25,000 which was secured by the mortgage of the latter, it was dealing with the record owner of the property, in possession thereof, and beyond this, aside from possible unfiled mechanics', municipal and tax liens, it was only obliged to examine the appropriate indices in the office of the recorder of deeds, and of the various courts of record whose territorial jurisdiction embraced the mortgaged property: *Salvation Army, Inc., Trustees, v. Lawson*, 293 Pa. 459. Such an examination would have disclosed nothing regarding appellant's claim, which had not yet been filed. As stated, appellee was required to ascertain, however, whether or not a mechanics' claim could subsequently be filed against the property. Whether or not it did this is not stated, and it is hence bound by what the records of the court of common pleas would have disclosed on that point, this being the place, under the statute, where a waiver of the right to file a lien would have to be recorded in order to be effective. If it found such a record, it was not obliged to go further, in the absence of knowledge that

the waiver was obtained by fraud or of something that would put it on notice in regard thereto. If appellee had done this, as possibly it did, it would have learned that, by their contract, appellants had personally waived the right to file a lien, and had further stated therein "that there are no inducements, understandings or agreements leading up to or including the execution of the contract which are not contained herein."

To permit these two provisions to be overturned by an allegation that execution of the contract was induced by false and fraudulent representations not included therein, would, as to innocent third parties, such as appellee, be grossly inequitable, and hence as to them the conduct of appellants equitably estopped them from filing a lien, as section 15 of the statute (P. L. 433) expressly provides that it should. The fact that the contract between Beckerman and appellants recited that Beckerman was the owner, does not alter the conclusion stated. Whether Beckerman was the owner in fee, or only the general contractor with the corporation, appellants had, aside from the waiver clause, the right to file a lien, and this right they could and did personally waive. It is not to be supposed that the legislature intended to put upon purchaser and mortgagees the risk of such a fraud having been practiced on lien claimants. If appellants were wronged, they have a remedy against the wrongdoer and those acting with him, and against them only, for even "where the contract is made in bad faith for the purpose of misleading and defrauding sub-contractors and materialmen the stipulation [waiving the right to file a lien] will be held invalid * * * only as to those who were parties to the fraud or had knowledge of it before their rights in the property had been acquired": *Westmoreland Guarantee B. & L. Assn. v. Connor*, 216 Pa. 543, 547. This is equitable and just, and maintains unimpaired the general rule for the protection of purchasers and mortgagees.

Section 5 of the mechanics' lien law of 1901 (P. L. 433), upon which also appellants rely for their allegation that appellee's contention fails, does not help them. It provides that "A contract made by the owner with one not intended in good faith to be the contractor for the structure or other improvement, shall have no legal effect, except as between the parties thereto * * * but such contractor, as to third parties, shall be treated as the agent of the owner." Assuming that the contract between the corporation and Beckerman is within the purview of this section, then it had no legal effect as to appellants, and Beckerman in his contract with them is "to be treated as the agent" of the corporation. Nowhere is it said that "a contract made by the owner with one not intended in good faith to be the contractor" shall operate to relieve a sub-contractor who, by his personal contract, waives the right to file a lien. It only provides against binding the sub-contractor by a waiver which appears in the recorded contract between the owner and the fictitious general contractor; a fraud often successfully practiced prior to the passage of this statute.

The great burden of appellants' argument is that the broad language of section 23 should be restricted by that of section 13 (P. L. 437), which provides that "The lien of the claim shall take effect as of the date of the visible commencement upon the ground, of the work of building the structure or other improvement, and

Building News Section

APARTMENTS

Contract Awarded.
APARTMENTS Cost, \$31,000
SAN FRANCISCO. SE Kearny and Chestnut Streets.
 Three-story frame and stucco studio apartment building (6 4-room apts. and 2 garages).
 Owner — Mrs. Caroline Mayes, 166 Geary St., San Francisco.
 Architect—Clausen & Amandes, Hearst Bldg., San Francisco.
 Contractor—C. H. Danziger, 1860 Jackson St., San Francisco.
 Construction will start in about 3 weeks.

Sub-Figures Being Taken.
APARTMENTS Cost, \$275,000
LOS ANGELES. Cal. No. 521 S. Manhattan Place.
 Eight-story Class A reinforced concrete apartments.
 Owner—John C. Dawson.
 Architect—E. Van Den Hoven, Rowan Bldg., Los Angeles.
 Contractor — L. W. Palmer, Lennox Hotel, 317 Flower St., Los Angeles.

Plans Being Completed.
APARTMENTS Cost, \$85,000
OAKLAND. Alameda Co., Cal. Overlooking Lake Merritt.
 Three-story and basement frame and stucco apartment building (15 2-3- and 4-room apts.) garage to accommodate 18 cars.
 Owner—Withheld.
 Architect—Chester Treichel, American Bank Bldg., Oakland.
 Segregated bids will be taken in one week.

Contract Awarded.
APARTMENTS Cost, \$28,000
BURLINGAME. San Mateo Co., Cal. 11 El Camino.
 Two-story frame and stucco (10) apts. Owner—Randle & Diggs.
 Architect—None.
 Contractor—E. H. Randles, 1029 Paloma Ave., Burlingame.

To Be Done By Day's Work.
APARTMENTS Cost, \$100,000
SAN FRANCISCO. SW Hayes and Pierce Streets.
 Six-story and basement Class C apartment building (36 apts.)
 Owner and Builder — F. Harris, 15 Balboa St., San Francisco.
 Plans by Owner.

Segregated Figures Being Taken.
APARTMENTS Cost, \$80,000
SAN FRANCISCO. NW 25th Ave. and Lake St.
 Six-story and basement class C apt. building (12 apts.)
 Owner and Builder—L. B. Ham, 105 Montgomery St.
 Architect—E. M. Sharpe, 105 Montgomery St.

Owner Taking Segregated Bids.
APARTMENTS Cost, \$85,000
OAKLAND. Alameda Co., Cal. No. 541 Merritt Ave. near Cleveland St.
 Three-story and basement frame and stucco apartment building (15 2, 3 and 4-room apts.) garage to accommodate 18 cars.
 Owner—H. E. Buckland, 2065 Webster St., Oakland.
 Architect—Chester Treichel, American Bank Bldg., Oakland.

Incinerator Contract Awarded.
ALTERATIONS Cost, \$—
SAN FRANCISCO. S Sacramento 154 W Kearny St.
 Alter present two-story brick apartments and add 1 story (12 apts.)
 Owner—Kong Chow Assn., Pine near Kearny St.
 Architect—F. W. Dakin, 625 Market St.
 Contractor—P. Sartorio, Bldrs. Exch.
 Incinerator—Kerner Incinerator Co., 450 Clementina St.
 As previously reported, ornamental iron awarded to Patterson and Koster Iron Works, 280 13th St.

Contract Awarded.
APARTMENTS Cost, \$65,000
RICHMOND. Contra Costa Co., Cal. Bissell St., between 39th and 40th Sts.
 Three-story frame and stucco apartment building (18 3-room apts.); all modern conveniences.
 Owner—Clara Hansen, 426 8th St., Richmond.
 Plans By Owner.
 Contractor — A. E. Orton, 3320 68th Ave., Oakland.

Structural Steel Contract Awarded.
APARTMENTS Cost, \$250,000
SAN FRANCISCO. SW Buchanan St. and Pacific Ave.
 Six-story, basement and sub-basement steel frame and reinforced concrete apartment building (36 3-4- and 5-room apts.)
 Owner and Builder—I. Epp & Sons, 4754 Geary St.
 Architect—Irvine & Ebbetts, Call Bldg.
 Engineer—J. M. Smith, 251 Kearny St.
 Structural Steel—McClintic - Marshall Co., 2050 Bryant St.
 Sub-bids are being taken on other portions of the work.

BONDS

Bond Election Planned.
SCHOOLS Cost, \$90,000
BRAWLEY. Imperial Co., Cal.
 Two six-unit elementary schools.
 Owner—Brawley Elementary School District.
 Architect—Not Selected.

VALLEJO. Solano Co., Cal.—A. P. Hill, chief of the Department of Public School Planning of the State Department of Education, recommends erection of a new junior high school

to alleviate crowded conditions in Vallejo, it is announced by Elmer L. Cave, city superintendent of schools. A bond election is contemplated to secure funds to finance construction.

FAIRFIELD. Solano Co., Cal.—Election will be called shortly by Armijo Union High School District to vote bonds of \$50,000 to which will be added \$124,000 to finance erection of a new high school to replace the structure destroyed by fire. The \$124,000 is available from insurance paid on the fire loss. Plans for the building are being prepared by Architects Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento, and 3529 Emerson St., Oakland.

CHURCHES

Plans Being Figured—Bids Close Feb. 20, 7:30 P. M.
CHURCH Cost, \$35,000
UKIAH. Mendocino Co., Cal.
 Two-story solid brick (brick veneer walls) church.
 Owner—Uliah Methodist Church, (K. C. Eversole, chairman of Building Committee), Ukiah.
 Architect—Rollin S. Tuttle, Box C, Los Gatos.

The building committee desires to secure as many out-of-town bids on this project as is possible and announces that insurance money from the edifice recently destroyed by fire is available and all bids will be paid when due. Payments will call for 75% of all costs monthly. Plans obtainable from the chairman of the building committee or the architect.
 See call for bids under official proposal section in this issue.

Contract Awarded.
CHURCH Cost, \$16,993
OAKLAND. Alameda Co., Cal. SW 12th and Myrtle Sts.
 One-story frame and stucco church.
 Owner — Zion Evangelical Lutheran Church of Oakland, premises.
 Architect—Ward & Blohme, 310 Sansome St., San Francisco.
 Contractor—J. H. Mogk, 1479 78th Ave., Oakland.

FACTORIES AND WARE-HOUSES

Planned.
ADMINISTRATION BLDG., ETC. Cost, \$125,000
Compton. Los Angeles Co., Cal. East Olive St. and Santa Fe Ave. (8 acre site).
 Group of fireproof buildings (administration building, shed, warehouse, etc.)
 Owner—Owl Truck Co., Dewey Burden, President, 120 N. Tamarind St., Compton.

Plans Being Prepared — Contract Awarded.
MFG. PLANT. Cost, \$50,000
SAN PABLO. Contra Costa Co., Cal.
 One-story Class C brick manufacturing plant (26,000 square feet).
 Owner—Rheem Mfg. Co., 4535 Horton St., Oakland.
 Architect—Alton Froberg, Ray Bldg., Oakland.
 Contractor — H. J. Christensen, Ray Bldg., Oakland.

A Demonstration of the SKILSAW PORTABLE ELECTRIC HAND SAW

Will solve your cutting problems.
 (Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS
 ELECTRIC DRILLS
 GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric Tools.

1222 Mission St. Underhill
 San Francisco 1267

Plans Complete.
CEMENT PLANT Cost, \$—
CEMENTAL CITY, San Diego Co., Cal.
 Cement plant.
 Owner—Columbia Cement Co., Fred A. Ballen, president.
 Plans by Government and Harbor Department.

Plans Being Figured—Bids Close Feb. 25, 2:00 P. M.
STOCK BLDG. Cost, \$250,000
SACRAMENTO, Sacramento Co., Cal.
 State Fair Grounds.

One-story steel frame, brick and concrete live stock building.
 Owner—State of California.
 Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Structure will have steel frame with brick and concrete walls, concrete floor and tile and composition roof and will cover an area of 65,600 square ft.

Bids are wanted for a general contract and for mechanical work. The mechanical work includes plumbing and electrical work. Separate bids will be received for electric work and for plumbing work. Combined bids will also be considered covering the two branches of the work.

WATSONVILLE, Santa Cruz Co., Cal.—Letisine Vitamin Co., Inc., of Watsonville, recently incorporated, plans early construction of a plant in Watsonville for the manufacture of vitamins from lettuce waste. Incorporators are: Dr. Chas. Dickens of Oakland; H. F. Boyer, James T. Mann, Harry B. Sears, Ned B. Strong and James R. Cutler of Watsonville and W. W. Benchley of Oakland, oleomargarine manufacturer. The company will erect a plant costing between \$50,000 and \$75,000.

EXETER, Tulare Co., Cal.—Packing plant of Laguna Olive Co., destroyed by fire Jan. 25 with a loss of \$30,000, including contents. Loss is partially covered by insurance.

Plans Being Figured.
WAREHOUSE Cost, \$25,000
SUNNYVALE, Santa Clara Co., Cal.
 Reconstruct present one-story wood frame warehouse (concrete floors).
 Owner—Libby, McNeill & Libby, Merchants' Exchange Bldg., S. F.
 Architect—Eng. Dept. of Owner.

K. E. Parker, 135 South Park, San Francisco, and Wells P. Goodenough, 310 University Ave., Palo Alto, are two of the contractors figuring the plans.

MILPITAS, Santa Clara Co., Cal.—Construction is under way on a plant for the Handicraft Tile Co., now operating a plant in S-Eighteenth St., San Jose. The main building will be 40 by 120 feet and the office, warehouse and display structure, 40 by 50 ft. Leslie Austin is manager of the company.

Contract Awarded.
ADDITIONS Contract price \$24,200
SAN FRANCISCO, Municipal Airport.
 Additions to Hangars Nos. 2, 3 and 4.
 Owner—City and County of San Francisco.
 Engineer—City Eng. Dept., City Hall.
 Contractor—Spilvock & Spilvock, Hobart Bldg.

Plans Being Figured—Bids Close Feb. 10, 3 P. M.
HANGAR Cost, \$—
HANFORD, Kings Co., Cal. Municipal Airport.

Frame aeroplane hangar, 70 by 60-ft. Owner—City of Hanford, D. C. Williams, city clerk.
 Architect—Swartz and Ryland, Brix Bldg., Fresno.

Structure will be of wood construc-

tion, 70 by 60 -ft. with corrugated iron covering. Doors to give clear openings of 70-ft. Certified check 10% payable to city required with bid. Plans obtainable from city clerk, D. C. Williams, on deposit of \$5, returnable.

Painting Bids Wanted.
SHOP BLDGS Cost, \$45,000 & \$10,000
SAN FRANCISCO, S Carroll St. N Jennings St.

Two one-story steel frame shop buildings.

Owner—Pacific Elec. Mfg. Co., 5815 Third St., San Francisco.
 Engineer—R. E. McLane, 5815 Third St., San Francisco.

Plumbing—H. Williamson Co., 1738 Howard St., San Francisco.
 Bids are now being taken on painting.

As previously reported, crane awarded to Cyclops Iron Works, 337 Folson St.; steel sash to Michel & Pfeffer Iron Works, Harrison and 10th Sts.; glass to Tyre Bros. Glass Co., 666 Townsend St.; structural steel to Herlick Iron Works, 18th and Campbell Sts., Oakland; concrete work to Adam Arras Co., 185 Stevenson St.

Contract Awarded.
OFFICE Cost, \$30,000
SAN FRANCISCO, NE Third and 18th Streets.

One-story and basement reinforced concrete and frame office and warehouse.

Owner—Gilmore Oil Co., Los Angeles.
 Architect—Stanton, Reed & Hibbard, Metropolitan Bldg., Los Angeles.
 Contractor—Cahill Bros., 206 Sansome Street.

OROVILLE, Butte County, Calif.—Vaughan and Sons, Oroville, will commence construction at once on a hay and feed warehouse with a 230-foot frontage on the Southern Pacific, and 300-ft. frontage on the Western Pacific Railroad.

Plans Being Completed.
WAREHOUSE Cost, \$100,000
SAN MATEO, San Mateo Co., Cal.
 San Mateo Drive near State St.

Three-story reinforced concrete warehouse (20,000 square feet of storage space; Spanish type).

Owner—J. B. Peckman Co., 232 Main St., San Mateo.

Architect—Withheld.
 Bids will be called for shortly.

Contract Awarded.
SHOP Cost, \$20,000
FRESNO, Fresno Co., Cal. San Benito and Broadway Sts.

One-story brick sheet metal shop, 50 by 140-ft.

Owner—New England Sheet Metal Works, 301 Broadway, Fresno.

Architect—Not given.
 Contractor—W. T. Harris, 577 McKinley St., Fresno.

MODESTO, Stanislaus Co., Calif.—Sun Garden Canning Company will enlarge its plant and equipment this year at an approximate cost of \$50,000.

Plans Being Completed.
WAREHOUSE Cost, \$50,000
WATSONVILLE, Santa Cruz Co., Cal.
 Warehouse and general offices.

Owner—Esperanza, Inc.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Bids will be taken in about two weeks.

Preliminary Plans Being Prepared.
WAREHOUSE Cost, \$75,000
FRESNO, Fresno Co., Cal.
 Warehouse.

Owner—United Grocers, Inc.
 Architect—Swartz and Ryland, Brix Bldg., Fresno, Spazier Bldg., Monterey and 373 Main St., Salinas.

Sub-Contracts Awarded.
CLEANING PLANT Cost \$90,000
SAN FRANCISCO, Mission St., bet. Ninth and Tenth Sts.

Four-story reinforced concrete cleaning plant.

Owner—Thomas Dyeing & Cleaning Works, Premises.

Architect—F. W. Dakin, 625 Market St., San Francisco.

Contractor—MacDonald & Kahn, Financial Center Bldg., San Francisco.

Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.

Steel Sash—Truscon Steel Co., Call Bldg., San Francisco.

Concrete—Golden Gate Atlas Material Co., 16th and Harrison Sts., San Francisco.

Plans Being Figured.
COACH SHED Cost, \$—
FRESNO, Fresno Co., Cal.

Reinforced concrete coach shed, composition roof, iron fencing.

Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.

Architect—Eng. Dept. of Owners (W. H. Kirkbride, Eng.)

Preliminary Plans Being Prepared.
DAIRY Cost, \$20,000

\$120,000 with equipment
FRESNO, Fresno Co., Cal.
 Modern Dairy.

Owner—Canham Dairies.

Architect—Swartz and Ryland, Brix Bldg., Fresno, Spazier Bldg., Monterey and 373 Main St., Salinas.

GARAGES AND SERVICE STATIONS

OAKLAND, Cal.—Tire Service Co., Inc., 2536 Webster St., authorized by city council to erect and maintain a super-service station at southeast corner of 20th St. and Broadway.

Contract Awarded.
AUTO LAUNDRY Cost, \$8,000
SACRAMENTO, Sacramento Co., Cal.
 1117 I Street.

Auto laundry and service station.
 Owners—Zelate Smith and Wm. Snyder, 117 21st St., Sacramento.

Architect—None.

Contractor—J. A. Saunders, 2110 10th St., Sacramento.

COLUMA, Colusa Co., Calif.—Richfield Oil Co. plans early erection of a super-service station in the vicinity of 8th and Market Sts. Texaco Co. will apply for permit shortly to erect a service station at Market and 4th Streets.

BAKERSFIELD, Kern Co., Calif.—Peerless Tire Service, 2121 Chester Ave., Bakersfield, has filed application with City Building Inspector R. H. Hubbard for a permit to erect a one and one-half-story reinforced concrete, 132 by 122-ft. garage, service plant and tire sales agency at the SW corner of 24th St. and Chester Ave.; estimated cost \$90,000. V. C. Johnson is president of the company.

Low Bidder.
GARAGE Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
 One-story reinforced concrete garage.

Owner—Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco.

Architect—Eng. Dept. of Owner.
 Low Bidder—Monson Bros., 475 5th St., San Francisco.

CRESCENT CITY, Del Norte Co., Cal.—Associated Oil Co., has taken 10-year lease of property at the corner of Ocean Shore Drive and L St. and plans immediate erection of a \$25,000 service station and garage. Site is 120 by 120 feet.

Bids Opened.
GARAGE Cost, \$50,000
BERKELEY, Alameda Co., Cal. Oxford and Addison Sts.
One-story Class C steel frame and reinforced concrete garage.
Owner—University of California, Berkeley.

Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley
Lessee—Langhorne-Thomas Co., 2573 Shattuck Ave., Berkeley.

Low Bidder—Dyer Constr. Co., Ray Bldg., Oakland, at \$31,000.

Other bidders were:
Connor & Connor, Berkeley.....\$31,450
H. K. Henderson, Oakland.....\$2,749
Chas. Vezey & Son, Oakland.....\$3,683
E. T. Lesure, Berkeley.....\$3,870
Sullivan & Sullivan, Oakland.....\$4,100
C. H. Wendt, Berkeley.....\$4,133
A. Cedarborg, Oakland.....\$4,534
C. H. McCullough, Oakland.....\$4,600
Leibert & Trobeck, S. F.....\$4,605
George Swanstrom, Oakland.....\$4,823
A. Frederick Anderson, Oakland.....\$5,218
Jacobs & Pattin, Oakland.....\$5,400
H. C. Schultz, Oakland.....\$5,440
Alfred L. Vezina, Oakland.....\$5,460
Young & Horstmeier, S. F.....\$5,542
N. H. Sjoberg, Oakland.....\$6,336
Louis O. Hansson, Berkeley.....\$9,900
E. T. Leiter & Son, Oakland.....\$40,400
Bids are held under advisement.
Contract will probably be awarded to either of the two low bidders, according to which alternates are accepted at the Regents Meeting in Los Angeles on February 11.

Plans Being Prepared.
ALTERATIONS Cost, \$—
STOCKTON, San Joaquin Co., Cal.
Alterations and additions to present brick garage.
Owner—Firestone Tire & Rubber Co., Architect—Chas. McCall, 1404 Franklin St., Oakland.

Contract Awarded.
STORAGE BLDG. Cost, \$30,000
STOCKTON, San Joaquin Co., Cal.
One-story reinforced concrete vulcanizing plant and tire storage building (Super service station) battery station, etc.
Owner—Valley Tire Co., Ed H. Rimmington and Frank Matteoni, 242 N. San Joaquin St., Stockton.
Architect—Jos. Lockann, 931 N. El Dorado St., Stockton.
Contractor—J. A. Allen, 525 E. Market St., Stockton.
Construction has just been started.

Plans Being Completed.
GARAGE Cost, \$30,000
WATSONVILLE, Santa Cruz Co., Cal.
One-story concrete garage building.
Owner—W. W. Bendell, 213 Main St., Watsonville.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Plans will be taken in two weeks.

Plans Being Figured.
GARAGE Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
One-story reinforced concrete garage.
Owner—Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco.
Architect—Eng. Dept. of Owner.

Contract Awarded.
SERVICE STATION Cost, \$16,000
SAN FRANCISCO. SE 7th Ave. and Irving St.
One-story concrete super-service station and alterations to present steel station.
Owner—Granfield's, Inc., 12th and Howard Sts.
Architect—Blaine & Olsen 1755 Broadway, Oakland.
Contractor—W. C. Cone, 826 Crocker Building.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—Until February 10, 10 A. M., under Schedule No. 928-30-194, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 1,500 hacksaw blades; 1300 machine bolts; 600 lbs. r. r. or track bolts; 1,000 lbs. wire finishing nails; 500 grass hooks or sickles; 5,230 lbs. iron or steel, round, in commercial lengths; 1,450 lbs. oakum; 6,800 lbs. rolled plate zinc; 12 pair of barn door bangars; 66 pair wrought steel galv. hinges; 250 rolls wire cloth, hard drawn copper or golden bronze. Further information obtainable from above.

BERKELEY, Alameda Co., Cal.—Congress Committee has approved expenditure of \$200,000 to finance addition to Berkeley post office. The funds, however, will not be available until December 1.

SAN FRANCISCO.—Until February 26, 11 A. M., bids will be received by Public Officer, Twelfth Naval District, 100 Harrison St., to improve toilet facilities at Building No. 11, Receiving Ship Station, involving plumbing fixtures, supply, waste and vent piping and all necessary fittings. Work is provided for under Specification No. 6056. Plans obtainable from above office on deposit of \$3, returnable.

SAN FRANCISCO.—Bids will be asked shortly by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6035 to erect Naval Radio Compass Station at Farallon Islands. The structure will be of frame construction, 10 ft. 4 in. by 13 ft. 4 in. by 15 ft. to the third floor, complete with exterior and interior wood sheathing and exterior wood finish, shingle roofing; wiring system and chimney. Requests for plant may be filed with the Bureau at Washington or with the Commandant at the Mare Island Navy Yard, such requests to be accompanied by a check of postal money order for \$5, payable to Chief of the Bureau. Deposit is returnable.

HONOLULU, T. H.—N. P. Severin, Chicago, Ill., at \$308,900 submitted low bid to Supervising Architect, Treasury Department, Washington, D. C., to extend and remodel courthouse and customhouse at Honolulu. Bid covered bitulithic paving, Concrete Co., Ltd., Honolulu, second low at \$310,764, and Ralph E. Woolley, Honolulu, third low at \$314,000. Complete list of bids will be published in these columns shortly.

SAN FRANCISCO.—Until February 17, 10 A. M., under Schedule No. 928-30-191, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 450 gas ranges, 75 of which shall have right hand ovens, to operate on natural gas, 1100 B. T. U.; 150 with right hand ovens, to operate on manufactured gas, 550 B. T. U.; 75 with left hand ovens, to operate on natural gas, 1100 B. T. U., and 150 with left hand ovens, to operate on manufactured gas, 550 B. T. U. Delivery to be f.o.b. Fort Mason, San Francisco. No other delivery point will be entertained. Further information obtainable from above office.

SAN FRANCISCO.—Until February 6, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for repairs to East Garrison Wharf, Coal Bunker Wharf and West Garrison Wharf at Fort McDowell. Plans obtainable from above office.

SACRAMENTO, Calif.—Supervising Architect's Office, Treasury Department, Washington D. C., has approved the proposed site for Sacramento's new \$1,250,000 post office on the north side of I St., between 8th and 9th Streets.

PALO ALTO, Santa Clara Co., Cal.—Until February 6, 10 A. M., bids will be received by Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, for furnishing all labor and material necessary to erect complete 256 linear feet of chain link woven wire fence 7 feet high, and one (16 feet wide, 7 feet high) two panel vehicle gate. Further information together with plans and specifications obtainable from Ernest C. Hunter, Supt. of Construction, Veterans' Hospital, Palo Alto. (Plans are on file in office of Daily Pacific Builder together with forms for bidding).

Bids Opened (Complete Bid Listing).
STATION \$50,000 available
SEATTLE, Wash. Block 233, Seattle Tidelands Addition
Immigration station and assay office building.
Owner—United States Government.
Architect—Supervising Architect, Treasury Dept., Washington, D. C.
Item 1, with precast piles; 2, with composite piles.
Wm. MacDonald Const. Co., Saint Louis, item 1, \$598,400; 2, \$577,000.
W. D. Lovell, Minneapolis, Minn., item 1, \$625,000; 2, \$597,000.
N. P. Severin Co., Chicago, item 1, \$567,000; 2, \$541,900.
R. E. Campbell, Los Angeles, item 1, \$628,000; 2, \$586,800.
West Coast Const. Co., Seattle, Wash., item 1, \$591,500; 2, \$564,000.
Pacific States Const. Co., Seattle, Wash., item 1, \$561,000; 2, \$551,000.
Henrikson-Alstrom Const. Co., Seattle, Wash., item 1, \$584,000; 2, \$556,700.
Celdon F. Martin, Seattle, Wash., item 1, \$542,333; 2, \$533,333.
Chrisman & Snyder, Seattle, Wash., item 1, \$558,000; 2, \$541,400.
Bartleson & Ness, Seattle, Wash., item 1, \$600,000; 2, \$572,715.
Western Const. Co., Seattle, Wash., item 1, \$561,200; 2, \$538,900.
Peder P. Gjarde, Seattle, Washington, item 1, \$606,219; 2, \$577,161.
Elvind Anderson, Tacoma, Wash., item 1, \$517,588; 2, \$494,697 (low bidder).

PALO ALTO, Santa Clara Co., Cal.—Until February 12, 10 A. M., bids will be received by E. C. Hunter, Superintendent of Construction, U. S. Veterans' Hospital, to lay pavement and build concrete curbs and gutters for parking space in rear of Nurses' Quarters at Palo Alto Veterans' Hospital. Plans and additional information obtainable from above office.

HONOLULU, T. H.—Chief of Engineers, U. S. Army, Washington, D. C., has authorized call for bids to construct 1,100 lin. ft. rubble mound breakwater at Kahuhu Harbor, T. H. Bids will be asked shortly.

SAN FRANCISCO.—Chief of Engineers, U. S. Army, has authorized dredging of approx. 371,870 cu. yds. of material in Oakland Harbor. The work will be handled through the U. S. Engineer Office, Customhouse, San Francisco.

COCO SOLO, C. Z.—Until March 5, under Spec. No. 5938, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., to erect storehouse and an engine-overhaul shop at the naval air station, Coco Solo, C. Z.; deposit of \$25 required for plans, obtainable from bureau.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, to furnish and deliver materials and equipment at Navy Yards and Stations, further information being available from the Navy Purchasing Officer, 100 Harrison St., San Francisco:

Bids Open Feb. 11

Sch. 2689, San Francisco, 2 fuel oil meters.

Sch. 2682, Mare Island, 1 75-h.p. steam boiler.

Sch. 2676, eastern and western yards, 22,000 lbs. rosin, 530 gals. coal tar, 970 gals. pine tar, 12,000 lbs. pine pitch, 28,000 lbs. do, 530 gals. turpentine.

Sch. 2679, eastern and western yards rods, welding, brass, iron or steel, etc. Sch. 2663, Mare Island, 56,000 lbs. dry red lead; Puget Sound, 700 lbs. do. Sch. 2664, Mare Island, 1,000 lbs. manganese-compound.

Sch. 2670, Mare Island, 300 gals. cresol; Puget Sound, 800 gals. do.

Sch. 2671, Feb. 11, Mare Island, 12,000 lbs. ultra-marine blue and 8,700 lbs. of chrome yellow; Mare Island, 6,500 lbs. dry lampblack; Puget Sound, 450 lbs. do; Mare Island, 26,000 lbs. dry litharge; Puget Sound, 3,400 lbs. do; Mare Island, 20,000 lbs. magnesium silicate; Mare Island, 27,000 lbs. whitening; Puget Sound, 4,440 lbs. do. Sch. 2661, Mare Island, 700 lbs. soldering flux; Puget Sound, 460 lbs. do. Sch. 2660, Mare Island, 6 gage-testing outfits.

Sch. 2673, western yards, magnet wire.

Sch. 2680, San Diego, 1 wood-working machine.

Sch. 2675, San Diego, 14,000 lbs. sweeping compound.

Sch. 2674, Mare Island, 800 gallons sodium silicate.

Sch. 2677, western yards, lacquer, spar varnish, water resisting varnish and interior varnish.

Sch. 2732, San Diego, aircraft propeller blades and hubs.

Sch. 2711, Mare Island, brass and steel machine screws.

Sch. 2702, San Diego, aluminum alloy tubing.

Sch. 2683, Puget Sound, 1 engine lathe.

Bids Open Feb. 18

Sch. 2715, Mare Island, hose fittings.

Sch. 2714, f.o.b. works, 230 tons coke.

Sch. 2700, Mare Island, 1 engine lathe, motor driven.

LOS ANGELES, Cal.—Chief of Engineers, U. S. Army, has authorized dredging of 665,000 cu. yds. of material at Los Angeles Outer Harbor.

HAWTHORNE, Nev.—Until March 5, under Spec. No. 5331, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for distributing systems and paving at Naval Ammunition Depot, Hawthorne, Nevada. The work consists of oil, steam and return, electric light, telephone, fire alarm, power, street lighting and sewerage disposal systems, also a soft water line, and concrete and bituminous macadam paving, all complete and ready for use. Plans and specifications obtainable from District Public Works Officer, Room 513, 100 Harrison St., San Francisco, Calif., upon deposit of \$20 check or money order payable to the Chief of the Bureau of Yards and Docks.

SEATTLE, Wash.—Bids are being received (date for opening not set) by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6053, to erect shop building, approximately 260 by 100 ft., and one-story storehouse, approximately 200 by 100 ft., having concrete foundations and floors, steel framing, brick and hollow tile walls,

and built-up roofing, and a concrete seaplane runway at the naval air station, Seattle, Wash.; deposit of \$25 required for plans, obtainable from bureau.

PEARL HARBOR, T. H.—Bids will be asked shortly by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6037, for waterfront improvements at Naval Operating Base, Naval Station and Submarine Base) at Pearl Harbor, the work consisting of reinforced concrete pier, quays and bulkhead, including piping and electrical work. Persons wishing to obtain bidding data should forward to the Bureau, to the Commandant, Naval Operating Base, Pearl Harbor, T. H., or to the Commandant, Navy Yard, Mare Island, California, a check or postal money order for \$25, payable to the Chief of the Bureau of Yards and Docks, as security for the safe return of the drawings and specifications, requesting a set of same. Applications and deposits will be placed on file and the drawings and specifications mailed as soon as they are available. Prospective bidders on the West Coast should make application for the bidding data to the Commandant, Navy Yard, Mare Island, Calif.

Bids Opened.

WAREHOUSE-SHOPS Cost, \$—
SAN FRANCISCO. Goat Island in San Francisco Bay.

Three-story reinforced concrete warehouse and three-story reinforced concrete shops.

Owner—U. S. Government.

Architect—Superintendent of Light-houses, Customhouse, San Francisco.

	Cost	Days
Dyer Constr. Co., 1924 Broadway, Oakland.	\$65,400	150
Clinton Constr. Co., S. F.	68,500	100
E. T. Lesure, Berkeley.	70,373	160
J. W. Cobby & Son, S. F.	73,700	180
F. J. Reilly, S. F.	73,876	150
C. C. W. Haun, S. F.	74,150	170
M. B. McGowan, S. F.	75,476	180
Fred Moller, S. F.	76,873	140
C. D. De Velbiss, Oakland.	77,400	155
J. L. McClachlin, S. F.	77,448	180
Ralph McLeran, S. F.	77,880	110
Pioneer Constr. Co., S. F.	77,883	120
F. Rasori, S. F.	80,475	200
Clinton-Stephenson Co., S. F.	80,800	120
Jasper-Stacy Co., S. F.	81,223	140
F. R. Siegrist Co., S. F.	81,376	140

Bids held under advisement.

HALLS AND SOCIETY BUILDINGS

Preparing Working Drawings.

AUDITORIUM Cost first unit, \$150,000
(Total cost, \$500,000)

RENO, Nevada. First and Chestnut Streets.

Two-story and basement class A concrete and steel Scottish Rite Auditorium.

Owner—Scottish Rite Masonic Temple Association.

Architect—Carl Werner and S. Helman, associated, 605 Market St., San Francisco.

Bids will be called for about Feb. 15th.

Plans Being Figured—Bids Close Feb. 11, 10 A. M.

MEMORIAL BLDG. Cost, \$27,000
CORNING, Tehama Co., Calif. Solano St. and Houghton Ave.

Brick memorial building.

Owner—County of Tehama.

Architect—Starks & Flanders, Forum Bldg., Sacramento.

Certified check 10% payable to Clerk of Board of Sups. required with bid. Plans obtainable from architects on deposit of \$20, returnable.

See call for bids under official professional section in this issue.

Commissioned To Prepare Plans.
CLUB BLDGS. Cost, \$200,000

(for three bldgs.)

EMERYVILLE, Livermore and Hayward, Alameda Co., Cal.

Three American Legion Memorial Club Buildings.

Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Plans Completed.
CLUB HOUSE Cost, \$200,000

REDONDO, Los Angeles Co., Cal.

Hollywood Riviera Tract.

One-story and basement frame and stucco club house (110x120 feet); (swimming pool, etc.)

Owner—Clifford F. Reid Co., 3973 S. Vermont Ave., Los Angeles.

Architect—Mark Daniels, Administration Bldg., Bel Air, West Los Angeles.

Sub-Contracts Awarded.

CLUB BLDG. Contract price, \$287,000
SACRAMENTO, Sacramento Co., Cal.

Ninth and M Sts., facing Capital Square.

Four-story reinforced concrete club building.

Owner—Sutter Club.

Architect—Dean & Dean, California State Life Bldg., Sacramento, and Stark & Flanders, Ochsner Bldg., Sacramento, Associated.

Contractor—George D. Hudnutt, Inc., 1915 S St., Sacramento.

Heating & Ventilating—Latourrette-Fical Co., 907 Front Street, Sacramento.

Plumbing and Electric Work—Luppen & Hawley, 3216 J St., Sacramento.

Concrete Piles—Raymond Concrete Pile Co., Hunter-Dulin Bldg., San Francisco.

Plans Being Figured—Bids Close Feb. 15, 12 Noon.

LODGE BLDG. Cost, \$40,000

MARTINEZ, Contra Costa Co., Cal.

Two-story class C brick and steel lodge building.

Owner—Masonic Hall Assn., Martinez.

Architect—Russell Guerne De Lappe, 1710 Franklin St., Oakland.

Bids To Be Asked Shortly.

MEMORIAL BLDG. Cost, \$—

AFCATA, Humboldt Co., Cal.

American Legion Memorial Building.

Owner—County of Humboldt, Fred M. Kay, County Clerk, Eureka.

Architect—Newton D. Ackerman, 102 W-Fourth St., Eureka.

HOSPITALS

Bids Wanted—To Close Feb. 4.

HOSPITAL Cost, \$150,000

VENTURA, Cal. Helena Tract.

Three-story reinforced concrete hospital (accommodate 80 patients).

Owner—Btg Sisters Hospital.

Architect—John C. Austin and Fred M. Ashley, Chamber of Commerce Bldg., Los Angeles.

ST. HELENA, Napa Co., Cal.—

Under the supervision of M. C. Ly-singer and A. C. Larsen, construction has been started on additions and alterations to the St. Helena Sanatorium involving an expenditure of \$50,000. Additions will be of frame and stucco construction. A new elevator will be installed and new hospital equipment will be purchased.

PLEASANTON, Alameda Co., Cal.—

B. Maurice and associates, said to be of Oakland, are reported to be contemplating erection of an outdoor health center on the former Chas. A. Gale Estate on Vineyard Ave. Several cottages are included in the project.

Bids Wanted.
DORMITORY Cost, \$—
LOS ANGELES, Cal. Fourth St. and Boyle Ave.
 Four-story Class C brick dormitory (141,396 feet.)
 Owner—Hebrew Sheltering Home Association.
 Architect—Max Maltzman, Union Bank Bldg., Los Angeles.
 Bids are wanted on general contract and segregated bids.

Commissioned To Prepare Plans.
HOSPITAL Cost, 1st unit, \$50,000
AUBURN, Placer Co., Calif.
 Class A county hospital.
 Owner—County of Placer.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.
 It is the intention of the county supervisors to replace the present structure with a modern hospital plant. The building will be erected on the unit system, the first unit to cost between \$50,000 and \$60,000. The plans were ordered prepared upon the recommendation of the Placer County Grand Jury which recently submitted its report to the supervisors.

Contract Awarded.
HARDWARE Cost, \$140,362.56
LOS ANGELES, Cal. General Hospital.
 Hardware for hospital.
 Owner—County of Los Angeles.
 Architect—None.
 Contractor—Frank Graves Sash, Door & Mill Co., 2000 Pasadena Ave., Los Angeles.

Plans Being Figured—Bids Close Feb. 19, 2:30 P. M.
STORAGE VAULT Cost, \$10,000
SAN FRANCISCO, 21st and Potrero Avenue.
 Film storage vault (on roof of San Francisco Hospital).
 Owner—City and County of San Francisco.
 Architect—Bureau of Architecture, 2nd floor, City Hall.
 Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Bond of \$2,500 required of the successful bidder. Plans obtainable from Bureau of Architecture, 2nd floor, City Hall, on deposit of \$10, returnable.

Contracts Awarded.
ANNEX Cost, \$—
SAN FRANCISCO, Laguna Honda Home.
 Class A (Ward F) annex to Relief Home.
 Owner—City and County of San Francisco.
 Architect—Hyman and Appleton, 63 Post St.
 General Contract—Spivock & Spivock, Hobart Bldg., \$95,900.
 Electric Work—Knut Smith, 143 Benton Ave., \$2,137.
 Plumbing—Scott Co., 243 Minna St., \$11,537.
 Mechanical Equipment—Scott Co., 243 Minna St., \$3,160.

Contracts Awarded.
HOSPITAL Cost, \$2,500,000
SEATTLE, Washington. Yesler Hill. Class A county hospital.
 Owner—County of King.
 Architects—Thomas, Grainger and Thomas, Arcade Bldg., Seattle.
 General Construction—Western Const. Co., Seaboard Bldg., Seattle, \$1,245,237.
 Plumbing, \$158,799; heating and ventilating, \$161,967 and sprinkler system, \$8,853, awarded to Rautman Plumbing and Heating Co., 109 Jackson St., Seattle, as noted.
 Built in Cold Storage Room—Fryer Service, 1233 Utah St., Seattle, at \$10,750.
 Electric Work—NePace-McKenny Co., 804 6th St., Seattle, \$106,775.

Bids for diet kitchen and laboratory refrigeration were rejected and new bids will be asked. Bids for kitchen equipment, brine circulating refrigerator system and elevators were rejected and new bids will be asked.

Complete Bid Listing.
PREVENTORIUM Cost, \$30,000
SAN MATEO, San Mateo Co., Cal.
 One-story frame and stucco preventorium.
 Owner—San Mateo Assn. for Prevention of Tuberculosis (Mrs. Harry Daner, president).
 Architect—E. L. Norberg, 530 Market St., San Francisco.
 Low Bidder—T. J. Broderick, 1523 Cypress Ave., Burlingame, \$25,997.
 Following is a complete list of the bids:
 C. E. Fowler, Burlingame.....\$26,000
 Geo. Williams, Burlingame.....26,493
 C. H. Bessett, Burlingame.....27,311
 Moody Henry, Burlingame.....28,142
 Chas. Pedersen, Burlingame.....23,175
 H. Holsher, Burlingame.....23,920
 Louis Pollard, Burlingame.....23,697
 Buschke & Johnson, ".....20,276
 H. Kline, Burlingame.....30,279
Plumbing and Heating
 Morrison and Blair, 415 Villa Terrace, San Mateo, (oil) \$1,073; (plumbing) \$4,519; (heating) \$2,522.
 H. R. Parks, Redwood City, (oil) 960; (plumbing) \$3,897; (heating) \$2,625
 H. Lander, (plumbing) \$4,214.
 Jos. Grimes, Burlingame, (oil) \$1,038; (plumbing) \$3,725; (heating) \$2,666
 Bids held under advisement.

FRESNO, Fresno Co., Cal.—County Probation Committee recommends to supervisors the purchase of a site and erection of a juvenile detention home.

Contract Awarded.
HOSPITAL Cost, \$20,000
PITTSBURG, Contra Costa Co., Cal.
 McCoy Tract (2 acre site).
 One-story brick hospital.
 Owner—Miss Kate Hanson et al.
 Architect—E. M. Cooney, Pittsburg.
 Contractor—Victor L. Kaufenberg, Pittsburg.

HOTELS

Preparing Plans.
HOTEL Cost, \$115,000
LOS ANGELES, Cal. Eden Hot Springs.
 Two-story brick or concrete hotel (50 rooms).
 Owner—Eden Hot Springs, Ltd.
 Architect—S. Charles Lee, Petroleum Securities Bldg., Los Angeles.
 Contract Awarded.
HOTEL Cost, \$250,000
YUMA, Arizona. Main and First Sts.
 Five-story 100-room Class A reinforced concrete hotel (90x100 ft.)
 Owner—San Carlos Hotel Co., Chas. Harris, Manager.
 Architect—Louis Dorr and Dwight Gives, Fine Arts Bldg., L. A.
 Contractor—Edwards, Wilsey & Dixon Edwards & Wilsey Bldg., L. A.

Plans To Be Prepared.
HOTEL Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal.
 Ocean Frontage.
 Hotel and improvements to pier.
 Owner—Withheld.
 Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco.
 NOTE:—This project is in a very preliminary stage. Further mention will be made when the plans are further advanced.

TULARE, Tulare Co., Cal.—D. E. Portlock, lessee of the St. Maxon Hotel, will have plans prepared to re-

model the structure which is owned by the Pan-Pacific Co. of Los Angeles and San Diego. More complete details will be given when plans for the work have been started.

Contract Awarded.
COTTAGES Cost, \$485,000
DANA POINT, Orange Co., Calif.
 Twenty masonry guest cottages, two- to four-story reinf. concrete class B hotel (to accommodate 1500 guests).
 Owner—Dana Point Inn, Allan J. Peterson, Mgr.
 Architect—Arthur R. Hutchason, Architects' Bldg., Los Angeles.
 Contractor—Western Const. Co., 4735 E 52nd Drive, Maywood.

RED BLUFF, Tehama Co., Cal.—Mrs. A. L. Conard, Red Bluff, has completed purchase of entire block bounded by Rio St. and the Sacramento Drive, Walnut and Hickory Sts. and is reported to be planning the erection of a modern hotel. Further mention will be made of this project when plans are further advanced.

Sketches Prepared.
HOTEL, ETC. Cost, \$—
LOS ANGELES, Cal. Wiltshire Blvd. near Western Ave.
 Two limit height Class A buildings (hotel and studio apartments).
 Owner—Mrs. F. C. Casler et al.
 Architect—H. J. Knauer, 1124 S. Western Ave., Los Angeles.

Preparing Working Drawings.
ADDITION Cost, \$60,000
EUREKA, Humboldt Co., Cal.
 Addition to present hotel (English half timber construction).
 Owner—Eureka Inn.
 Engineer—Frederick Whitton, 369 Pine St., San Francisco.
 Work consists of coffee shop, kitchen, laundry and new street front.
 Bids will be called for shortly.

POWER PLANTS

MARTINEZ, Contra Costa Co., Cal.—Western Union Telegraph Co., is completing surveys for new wire line through Franklin Canyon and thence via either a submarine cable or conduit line on the Southern Pacific R. R. bridge connecting Martinez with the main trunk line to the east at Benicia.

EL CENTRO, Imperial Co., Calif.—Until 7:30 P. M., Feb. 5, bids will be received by the city council for the construction of an electrical transmission line as follows: Run 3 No. 3-0-600 volt R. C. stranded wire from junction box on pole SE of pumping plant up 10 ft. above junction box in conduit; thence to second pole SE of pumping plant. Replace the second pole with a 35-ft. pole, 8-in. top, and hang thereon 3-15 K V A 220 to 440 volt 1 phase transformers. Run south from transformer pole a 3-phase 440-volt circuit approx. 2000 ft., replacing arms on existing poles with 6-pin standard arms, and set 8 new additional 30-ft. poles, 7-in. tops, to be also equipped with 6-pin standard arms, double 0 or single as required. 440 volt circuit to be size No. 1 D. B. V. P. copper wire, on insulators No. 33 or equivalent, and pins No. 74 Pierce or equivalent. Transfer existing 320 volt 3-phase circuit in present line to new arms as far as old poles extend. New line to end approx. 75 ft. north of south end of settling ponds on south side of Ross Ave. All work to conform with construction requirement of G. O. 64-A of California Railroad Commission. Cert. check or bond 10%. J. C. Neale, city clerk.

VISALIA, Tulare Co., Cal.—Southern California Edison Company will erect four new sub-stations in Tulare County this year. They will be built at Priday, Bliss, Poplar and Octol.

SEATTLE, Wash.—City council has passed bill adopting plan for additions and betterments to and extension of municipal light and power plant and system and authorizing the issuance of \$10,000,000 bonds to defray the cost of such extensions.

SEBASTOPOL, Sonoma Co., Cal.—Pacific Gas and Electric Co. is installing additional equipment and remodeling plant at Sebastopol; estimated cost \$10,000.

CRESCENT CITY, Del Norte Co., Cal.—West Coast Telephone Co., plans to rebuild and re-wire its lines throughout Del Norte and Humboldt Counties. Approximately \$150,000 will be expended in the work.

HAWTHORNE, Nev.—See "Government Work and Supplies," this issue. Bids wanted by Bureau of Yards and Docks, Navy Department, for work in connection with Naval Ammunition Plant at Hawthorne, Nevada.

COLUSA, Colusa Co., Cal.—Pacific Gas and Electric Co., 245 Market St., San Francisco, has approved order for installation of new rotary converter at Colusa sub-station; estimated cost \$31,600. The present plant will be entirely rebuilt.

SAN FRANCISCO.—Until February 13, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 15,000-ft. underground cable for Department of Electricity. Further information obtainable from above.

MERCED, Merced Co., Cal.—Construction has been started by crews of the San Joaquin Light and Power Co., Power Bldg., Fresno, on a 48-mile steel transmission line from Fresno to Merced. The cost is placed at \$720,000. The line will make possible the direct transmission of high voltage electricity from the Great Western Power Company over the tie-line between Merced and Sacramento.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Preparing Working Drawings.
JAIL & OFFICES Cost, \$150,000
VENTURA, Calif.
Jail and offices.
Owner—County of Ventura.
Architect—Harold Burkett, 455 E Main St., Ventura.

LAS VEGAS, Nevada.—State Legislature has authorized Clerk County Commissioners to issue bonds of \$150,000 to finance erection of an addition to the county courthouse for jail and sheriff's quarters. It is expected that an architect will be selected shortly to proceed with plans for the proposed addition.

Plans Being Figured—Bids Close Feb. 25, 2:30 P. M.
AUDITORIUM Cost, \$1,400,000
LONG BEACH, Los Angeles Co., Cal.
Class A steel frame and reinforced concrete municipal auditorium (400x185 ft.)
Owner—City of Long Beach.
Architect—J. Harold MacDowell, New York City, and W. Horace Austin, Pacific Southwest Bldg., Long Beach.

Bids are being taken for a general contract with separate bids for plumbing, heating, ventilating, electric wiring and fixtures.

SAN LEANDRO, Alameda Co., Cal.—City Manager W. A. Richmond is taking bids to construct new stairs, entrance and recondition interior woodwork at the municipal library. Some new furnishings will also be installed.

SOUTH SAN FRANCISCO, San Mateo Co., Calif.—City council sets February 25 as the date to vote bonds of \$50,000 to finance construction of a municipal swimming pool. Preliminary plans for this project are being prepared by Edwards & Schary, architects, San Francisco.

Planned.
JAIL, ETC. Cost, \$260,000
LOS ANGELES, Cal. Lincoln Heights Jail.
Improvements at jail and four-story and basement reinforced concrete building.
Owner—City of Los Angeles.
Architect—City Construction Dept.

UKIAH, Mendocino Co., Cal.—Until Feb. 11, 10 A. M., bids will be received by H. M. Burke, county clerk, to furnish and lay brown cork carpet, ¼-inch thick, on floors of certain offices and halls in old section of county courthouse, to wit: All hallways, offices of County Agricultural Commissioner and Special Agent on ground floor and Board of Education on second floor. Certified check 10% required with bid. Specifications on file in office of county clerk.

See call for bids under official proposal section in this issue.

SACRAMENTO, Cal.—Members of a special County Grand Jury Committee will recommend to county supervisors the replacement of antiquated equipment in the Sacramento county jail. New cell equipment, etc., would be replaced according to tentative recommendations. H. Hall is county clerk.

RESIDENCES

Sub-Bids Wanted.
RESIDENCE Cost, \$35,000
BEVERLY HILLS, Los Angeles Co., Cal.
Two-story and basement frame and stucco residence (15 rooms and 7 baths).
Owner—Withheld.
Architect—None.
Contractor—G. G. Larfield, Byrne Bldg., Los Angeles.

Preparing Working Drawings.
RESIDENCE Cost, \$25,000
PIEDMONT, Alameda Co., Calif. St. James Wood.
Owner—Name Withheld.
Architects—Sidney, Noble and Archie Newsum, Federal Realty Building, Oakland.
Bids will be called for shortly.

Preparing Plans.
RESIDENCE Cost, \$65,000
SANTA BARBARA, Cal. Montebello District.
Two-story frame and stucco residence with tile roof.
Owner—E. V. Armstrong.
A. B. Harmer, Carrillo Bldg., Santa Barbara.

Owner Taking Additional Bids.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Calif. The Arlington.
Two-story 8-room frame and stucco residence.
Owner—Wm. Hull, Adeline and Essex Sts., Berkeley.
Architect—E. H. Slocumbe, 85 Cambridge Way, Piedmont.
T. D. Courtright, 5098 Manilla Ave., Oakland, at \$23,549 submitted lowest bid on previous bid opening.

Plans Being Figured.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. North Cragmont.
Two-story frame and stucco residence.
Owner—Mrs. Schnelder.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contract Awarded.
RESIDENCE Sost, \$11,000
SAN JOSE, Santa Clara Co., Cal. Edgemont Tract.
Two-story 8-room frame and stucco residence.
Owner—Jamison & Jolimar, Bank of San Jose Bldg., San Jose.
Architect—J. C. Fennacy, ½ Owner.
Contractor—Clyde Alexander, 1350 Emory St., San Jose.
Construction will be started in about ten days.

Plans Being Completed.
RESIDENCE Cost, \$8,500
SAN FRANCISCO. 19th Ave, near Taraval St.
One-story and basement 6-room frame and stucco residence.
Owner and Builder—A. Halsen, 2427 25th Ave.
Plans by D. E. Jaekle, Call Bldg.
Sub-bids will be taken in one week.

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Sub-Contracts Awarded.
RESIDENCE Cost, \$20,300
MONTEREY, Monterey Co., Cal. Los Ranchitos District.
 Two-story frame and rock veneer residence and garage.
 Owner—Wm. E. Haseltine, Carmel Valley.
Architect—None.
Contractor—Hugh Comstock Carmel Valley.
Electrical Wiring—Carroll and Searle, Monterey.
Plumbing—Barton Oil-O-Matic Co.
Sheet Metal—Barton Oil-O-Matic Co., Monterey.
Heating—Barton Oil-O-Matic Co., Monterey.
Brick and Stone Masonry—James A. Chapelle, Monterey.
Painting—Lewis Crane, Carmel.
Interior Tile—C. L. Frost, Monterey.
Lumber—M. J. Murphy, Carmel.
Mill Work—M. J. Murphy, Carmel.
Plaster—Jacobsen & Neilson, Monterey.
Glass & Glazing—M. J. Murphy, Carmel.
Steel Sash—Michel and Pfeffer, Harrison and 10th Sts., San Francisco.
Roller Screens—Michel & Pfeffer, Harrison and 10th Sts., San Francisco.
Rock Veneer—James A. Chapelle, Monterey.

TRACY, San Joaquin Co., Cal.—George Latting, general contractor of Tracy, has started erection of five one-story frame and stucco bungalows in the vicinity of Center and Eaton streets, north of the Lincoln Highway.

Plans Being Prepared.
RESIDENCE Cost, \$20,000
NORTH BERKELEY, Alameda Co.
 Two-story 12-room frame and stucco residence (English type).
 Owner—Dr. Donald.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
 Bids will be taken in about three weeks.

Plans Being Prepared.
RESIDENCE Cost, \$8,500
SAN FRANCISCO. NW Justn Drive and College Ave.
 One-story and basement 5-room frame and stucco residence.
 Owner and Builder—A. R. Johnson, Mission St.
Plans by D. E. Jackle, Call Bldg.
 Sub-bids will be taken in one week.

Plans Being Completed.
RESIDENCE Cost, \$20,000
SAN MATEO, San Mateo Co., Calif. Baywood Park.
 Two-story frame and stucco residence.
 Owner—W. C. Schnelder, San Francisco.
Architect—Enri E. Cavasso, 235 Third Ave., San Mateo.
 Bids will be taken in about 3 weeks.

To Be Done By Day's Work.
RESIDENCE Cost, \$8,000
SAN FRANCISCO. E Lyon St. South Chestnut.
 Two-story and basement frame and stucco residence.
 Owner & Builder—Risdon Bros., 2170 Beach St.
Architect—None.

Preparing Working Drawings.
RESIDENCE Cost, \$—
SANTA BARBARA, Calif. Montecito District.
 Two-story frame and stucco residence reinforced concrete foundations (16 rooms, 6 baths).
 Owner—A. L. Painter.
Architect—Reginald D. Johnson, Architects' Bldg., Los Angeles.
Contractor—Name Withheld.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
BURLINGAME, San Mateo Co., Cal. Benita Ave.
 One-story and basement frame and stucco residence.
 Owner and Builder—Chris Sorensen, 751 Linden Ave., Burlingame.
Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
SAN MATEO, San Mateo Co., Calif. Fulton Ave.
 Two-story frame and stucco residence.
 Owner and Builders—Lengfeld and Olund, 145 El Camino Real, San Mateo.
Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
SAN MATEO, San Mateo Co., Calif. 236 Grinnell St.
 Two-story frame and stucco residence.
 Owner and Builder—Martin Petersen, 128 Lorton Ave., Burlingame.
Architect—None.

Plans Being Prepared — Contract Awarded.
RESIDENCE Cost, \$55,000
MONTEREY, Monterey Co., Cal. On the Seventeen Mile Drive.
 Three-story concrete residence (Italian style).
 Owner—Glen Holt.
Architect—Enri E. Cavasso, 233 Third Ave., San Mateo.
Contractor—Sierra Constr. Co., 233 Third Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. No. 3444 Joaquin Miller Road.
 One-story and basement 6-room frame and stucco residence.
 Owner—James N. Bostwick, 20 Humphrey Road, Oakland.
Architect—Geo. Michener, 2545 Benvenue Ave., Berkeley.
Contractor—Peters & Booth, 2545 Benvenue Ave., Berkeley.

Plans Being Figured.
RESIDENCE Cost, \$35,000
BEVERLY HILLS, Los Angeles Co., Calif.
 Two-story 13-room brick veneer residence.
 Owner—Sidney Franklin.
Architect—Marston & Maybury, 25 S Euclid Ave., Pasadena.

Plans Being Prepared.
STUDIO Cost, \$5,500
SAN FRANCISCO. Twin Peaks.
 One-story frame studio.
 Owner—Mrs. Horace Dawson.
Architect—Enri Cavasso, 223 3rd Ave., San Mateo.

Plans Being Prepared.
RESIDENCE Cost, \$40,000
HILLSBOROUGH, San Mateo Co.
 Two-story frame and stucco residence
 Owner—Glen Holt.
Architect—Enri Cavasso, 233 Third Ave., San Mateo.
 Owner is now touring Europe and upon his return bids will be called for.

Preparing Working Drawings.
RESIDENCE Cost, \$15,000
PIEDMONT, Alameda Co., Cal.
 One-story nine-room frame and stucco residence with tile roof.
 Owner—Mr. Bernheim.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
 Bids will be taken in two weeks.

Preparing Working Drawings.
RESIDENCE Cost, \$40,000
PEBBLE BEACH, Monterey Co., Cal.
 Two-story frame and stucco Spanish type residence with tile roof.
 Owners—Mr. and Mrs. Edward E. May
Architect—Earl W. Chester Co., 332 N Camden Drive, Beverly Hills
 Will be ornamental iron work, in-laid tile floors, four bathrooms, beamed ceilings, seven bedrooms, electric refrigeration, automatic storage water heater, fountains, landscaping, patios, balcony, etc.

SCHOOLS

Contract Awarded.
SCHOOLS Cost, \$143,201
CLEARWATER & Willowbrook, Los Angeles Co., Cal.
 Two brick schools.
 Owner—Compton Union High School District.
Architect—Frank M. Goodwin, Stockwell Bldg., Compton.
Contractor—R. J. Chute Co., 2516 W Santa Barbara Ave., Los Angeles.

SACRAMENTO, Cal.—A. Marquering, 700 40th St. Sacramento, at \$14 sq. ft. submitted low bid to Board of Education to construct cement concrete sidewalks in 34th St., bet V and W Sts., in vicinity of high school. Other bids: Olmsted & Field, 14.4c sq. ft.; E. L. Clark, 14.5c sq. ft.

Sub-Bids Wanted.
ALTERATIONS Cost, \$30,000
SAN FRANCISCO. N Fulton St. 150 E Stanyan St.
 Alterations and additions to faculty building.
 Owner—St. Ignatius College, Fulton St. near Stanyan St., San Francisco.
Architect—E. A. Eames, 353 Sacramento St., San Francisco.
Contractor—Barrett & Hlip, 918 Harrison St., San Francisco.
 Sub-bids are wanted on all portions of the work.

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Working Drawings Being Prepared.
SCHOOL Cost, \$80,000
 (Bonds Voted to Finance)
SANTA CRUZ, Santa Cruz Co., Cal.
 Laurel School (fireproof construction).
 Owner—Santa Cruz School District.
 Architect—W. H. Weeks, 111 Sutter
 St., San Francisco.
 Bids will be taken in about three
 weeks.

Sub-Bids Being Taken.
GYMNASIUM Cont. price, \$55,530
SAN RAFAEL, Marin Co., Cal. San
 Rafael High School.
 Reinforced concrete gymnasium.
 Owner—San Rafael Board of Educa-
 tion, Oliver R. Hartzell, secretary.
 Architect—N. W. Sexton, deYoung
 Bldg., San Francisco.
 Contractor—Young & Horstmeyer, 461
 Market St., San Francisco.
 Sub-bids are wanted on all portions
 of the work.

As previously reported heating con-
 tract awarded to D. O'Mara, 218 Clara
 St., San Francisco, at \$6938; electrical
 work to North Bay Elec. Works, San
 Rafael, at \$3596; plumbing to Thos.
 R. Catton, 354 Hobart St., Oakland,
 at \$6493.

Plans Being Prepared.
SCHOOL Cost, \$13,000
MENDOCINO, Mendocino Co., Cal.
 One-story redwood, rustic school (5
 classrooms, administration offices,
 etc.).
 Owner—Mendocino School District.
 Architect—Davis-Pearce Co., Grant &
 Weber Sts., Stockton.
 Plans will be ready for bids in from
 three to four weeks.

Preparing Working Drawings.
SCHOOL BLDGS. Cost, \$150,000
PITTSBURG, Contra Costa Co., Cal.
 Group of four brick and terra cotta
 Junior High School Buildings (at-
 tached), Academic Bldg., Gymna-
 sium, Shops and Auditorium.
 Owner—Pittsburg School District.
 Architect—Davis-Pearce Co., Grant
 and Weber Sts., Stockton.
 Plans will be ready for bids in from
 five to six weeks.

Plans Being Figured—Bids Close Feb.
 3, 12 Noon.
LIBRARY Cost, \$150,000
SAN RAFAEL, Marin Co., Cal.
 Three-story reinforced concrete aca-
 demic and library building (12
 classrooms and library).
 Owner—Dominican College of San Ra-
 fael.
 Architect—Arnold Constable, 530
 Market St., San Francisco.
 Will be of Italian Renaissance style.
 Bids are being taken from a selected
 list of contractors.

Plans Being Completed.
BUILDING Cost, \$685,000
BERKELEY, Alameda Co., Cal. Uni-
 versity of California Campus.
 Class A building (height and type of
 construction not decided).
 Owner—University of California.
 Architect—Geo. W. Kelham, 315 Mont-
 gomery St., San Francisco.
 Engineer—H. J. Brunner, Sharon
 Bldg., San Francisco.
 Proposed building will probably house
 the College of Engineering (electrical
 and mechanical depts.) This will be
 the first unit of a group of buildings
 to be constructed at a later date.
 Plans will ready for bids about Feb.
 15.

MONTEREY, Monterey Co., Cal.—
 Architects Swartz & Ryland, Spazier
 Bldg., Monterey, and Brix Bldg., Pres-
 no, have been retained by the Mont-
 erey Union High School District to

prepare plans for proposed improve-
 ments to be undertaken under the
 proposed \$250,000 bond issue, yet to be
 voted. The issue will provide for the
 following improvements: Academic
 building, providing 15 new classrooms
 and a cafeteria, \$100,000; gymnasium,
 \$65,000; heating plant, \$20,000; swim-
 ming pool, \$20,000; addition to shop
 department, \$14,400; girls' athletic field
 \$10,000; alteration of auditorium, \$10,-
 000; eight new tennis courts, \$8,000;
 remodeling administration offices, \$5,-
 000; grading and draining work, \$3,-
 000.

Bids Wanted.
SCHOOL Cost, \$150,000
LYNWOOD, Los Angeles Co., Cal.
 Two-story concrete and masonry
 Junior High School.
 Owner—Compton Union High School
 District.
 Architect—Marsh, Smith & Powell,
 Architects Bldg., Los Angeles.

Sub-Contracts Awarded.
SCHOOL Cont. price, \$75,055
RED BLUFF, Tehama Co., Cal.
 One-story 17-room brick grammar
 school (pressed brick exterior).
 Owner—Red Bluff Grammar School
 District.
 Architect—W. H. Weeks, Hunter-Du-
 lin Bldg., San Francisco; 1736
 Franklin St., Oakland, and Bank
 of Italy Bldg., San Jose.
 Contractor—J. J. Groden, 1023 San
 Antonio St., Alameda.
 Plastering—O'Connor Bros., Red Bluff
 Brick and Brick Work—O'Connor Bros.
 Red Bluff.
 Rough Lumber—Diamond Match Co.,
 Red Bluff.
 Terra Cotta Tile & Composition Roof
 O'Connor Bros., Red Bluff.
 Reinforcing Steel—Gunn, Carle & Co.,
 354 Hobart St., Oakland.
 Ornamental and Miscellaneous Iron—
 Helvik Iron Works, San Jose.
 Window Fixtures—Universal Window
 Fixtures Co., 1916 Broadway, Oak-
 land.

Plumbing—Allan Bros., Red Bluff.
 Electric Wiring—Service Electric Co.,
 Red Bluff.

Sub-Contracts Awarded.
DORMITORY Cost, \$1,750,000
BERKELEY, Alameda Co., Cal. Pied-
 mont Ave. and Berkeley Way.
 Part 3-4-5 and 6-story class B in-
 ternational dormitory (accommo-
 dations for 600 students).
 Owner—University of California (Gift
 of John D. Rockefeller, Jr.).
 Architect—George W. Kelham, 315
 Montgomery St., San Francisco.
 Engineer—H. J. Brunner, Sharon
 Bldg., San Francisco.
 Contractor—P. J. Walker Co., Sharon
 Bldg., San Francisco.
 Interior Wood Finish—Lannom Bros.
 Mfg. Co., 5th and Magnolia Sts.,
 Oakland, \$20,232.
 Floor and Wall Tile, Etc.—Malott
 and Petersen, 354 Hobart St., Oakland,
 \$37,846.

As previously reported, painting
 awarded to J. A. Mohr & Sons, Inc.,
 433 11th St., San Francisco, \$22,937;
 glass and glazing to W. P. Fuller Co.,
 301 Mission St., San Francisco, \$7,240;
 marble work to Vermont Marble Co.,
 244 Brannan St., San Francisco, \$3,-
 630; terra cotta, tile roofing, etc., to
 General Roofing Co., 3985 Beach St.,
 Oakland, \$11,408; mill work to Lannom
 Bros. Mfg. Co., 5th and Magnolia Sts.,
 Oakland, \$28,295; structural steel to
 Pacific Coast Eng. Co., foot of 14th
 St., Oakland; heating and ventilating
 to Latourrette-Fical Co., 699 4th St.,
 Oakland; electric wiring to NePage-
 McKenny Co., 128 10th St., Oakland;
 excavation to Ariss Knapp Co., 961
 41st St., Oakland.

SAN JOSE, Santa Clara Co., Cal.—
 Until February 11, 8 P. M., bids will
 be received by Walter L. Bachrodt,

secretary, Board of Education, to
 furnish and deliver blackboards.
 Specifications obtainable from secre-
 tary.

Plans Completed.
ADDITION Cost, \$120,000
OAKLAND, Alameda Co., Cal. Mon-
 tecello and Fleming Sts. (Maxwell
 School).
 Two-story brick addition to present
 elementary school.
 Owner—Oakland Board of Education.
 Architect—John J. Donovan, 1916
 Broadway, Oakland.
 Bids will be advertised for within
 one or two weeks.

Contracts Awarded.
SCHOOL Cost, \$—
PORTLAND, Ore. Bush, Center, 16th
 and 18th Streets.
 Two-story concrete school; brick fac-
 ing trimmed in terra cotta, 85x
 249 feet (Brooklyn School).
 Owner—City of Portland School Dis-
 trict, E. T. Stretcher, Clerk.
 Architect—Geo. H. Jones, City School
 Architect, Portland.
 General Contract—Seitgret Bros.,
 Worcester Bldg., Portland, at
 \$130,375.
 Electric Work—Jas. Dilmire, Inc.,
 Portland, at \$5532.
 Heating and Ventilating—Globe Heat-
 ing & Plumbing Co., Portland, at
 \$21,743.
 Plumbing—Urban Plumbing Co.,
 Portland, at \$11,234.

Contract Awarded.
HIGH SCHOOL Cost, \$54,729.50
TEHACHAPI, Kern Co., Cal.
 Concrete high school.
 Owner—Tehachapi High School Dist.
 Architect—W. Horace Austin, Pacific
 Southwest Bldg., Los Angeles.
 Contractor—Fred L. Gribble, 1200 17th
 St., Bakersfield.

Plans Being Figured—Bids Close Feb.
 5, 2:30 P. M.
ELECTRIC WORK Cost, \$9500
SAN FRANCISCO.
 Electric work (in connection with
 Francisco Junior High School Ad-
 dition).
 Owner—City and County of San Fran-
 cisco.
 Architect—Bureau of Architecture,
 2nd floor, City Hall.
 Certified check 10% payable to
 Clerk of the Board of Supervisors
 required with bid. Bond of \$2,375 re-
 quired of the successful bidder. Plans
 obtainable from Bureau of Architec-
 ture, 2nd floor, City Hall, on deposit
 of \$10, returnable.

Contract Awarded.
DORMITORY Cost, \$250,000
CLAREMONT, Los Angeles Co., Cal.
 Pomona College Campus.
 Two-story reinforced concrete college
 dormitory (accommodate 100 stu-
 dents).
 Owner—Pomona College.
 Architect—Webber & Spaulding, 627
 S. Carondelet St., Los Angeles.
 Contractor—C. T. and W. T. Stover,
 459 W. 11th St., Claremont.

Plans Being Prepared.
ADDITIONS, ETC. Cost, \$75,000
HAYWARD, Alameda Co., Cal.
 Seven classroom addition to Bret
 Harte School; 4-classroom addi-
 tion to Luther Burbank School;
 alterations and auditorium addi-
 tion to John Muir School; replace
 plumbing in Fairview and Mark-
 ham Schools.
 Owner—Hayward Grammar School
 District.
 Architect—E. P. Whitman, 192 Main
 St., Hayward.
 Bonds for this work will be voted at
 an election to be held February 18.

Planned.
SCHOOL UNITS Cost, \$32,000
SHAFTER, Kern Co., Cal. High School site.
 Two class A high school units.
 Owner—Shafter High School District.
 Architect—Not Selected.

Sub-Contracts Awarded.
ADDITION Cont. price, \$68,729
SAN JOSE, Santa Clara Co., Calif.
 Trace School.
 Two-story concrete addition to present school.

Owner—San Jose Board of Education.
 Architect—W. H. Weeks, Hunter-Du-
 lin Bldg., San Francisco; 1736
 Franklin St., Oakland, and Bank
 of Italy Bldg., San Jose.
 Contractor—W. J. Ochs, 405 Clark St.,
 Fresno.

Lumber—Sunset Lumber Co., San Jose
Cement—Santa Cruz Portland Cement
 Company

Reinforcing Steel—San Jose Iron W'ks
 San Jose.

Ornamental Iron—R. Hellwig's Iron
 Works, San Jose.

Miscellaneous Iron—R. Hellwig's Iron
 Works, San Jose.

Ornamental Iron—R. Hellwig's Iron
 Works, San Jose.

Lath and Plastering—Joe. Provinzano,
 San Jose.

Plumbing—A. J. Peters & Son, San
 Jose.

Sheet Metal—A. J. Peters & Son, San
 Jose.

Mill Work—Pacific Mfg. Co., Santa
 Clara.

Electric Work—Guilbert Brothers, San
 Jose.

Roofing—W. J. Porter, San Jose.

Terrazzo Work—California Terrazzo
 and Marble Co., 2035 San Bruno
 Ave., San Francisco.

Planned

SCHOOL BLDGS. Cost, \$600,000

GLEN DORA, Los Angeles Co., Cal.

Six school buildings.

Owner—Girls' Collegiate School.

Architect—Myron Hunt and H. C.

Chambers, California Reserve

Bldg., Los Angeles.

A financial campaign has been

launched to raise funds.

Plans Approved.

ADDITION Cost, \$95,000

PASADENA, Los Angeles Co., Cal.

Webster School.

Reinforced concrete addition to school

Owner—Pasadena Board of Education

Architect—John C. Austin and F. M.

Ashley, Chamber of Commerce

Bldg., Los Angeles.

To Vote Bonds.

COLLEGE BLDG. Cost, \$410,000

ONTARIO, San Bernardino Co., Cal.

Junior college building and improve-

ments to present building.

Owner—Chaffey Union High School

District.

Architect—Allison & Allison, Califor-

nia Reserve Bldg., Los Angeles.

Plans Being Completed.

SCHOOL Cost, \$35,000

KELSEYVILLE, Lake Co., Cal.

One-story reinforced concrete high

school (125 pupils) with combina-

tion gymnasium and auditorium.

Owner—Kelseyville Union High School

District.

Architect—Wm. Herbert, Rosenberg

Bldg., Santa Rosa.

Plans will be completed in about one

week and bids advertised for.

BANKS, STORES & OFFICES

FRESNO, Fresno Co., Cal.—Estrada

Spanish Kitchen, 370 Blackstone Ave.,

Fresno, has purchased a site, 100 by

200-ft. at Belmont and Echo Aves.

and will erect a Spanish type restau-

rant building.

Plans Being Figured—Bids Close Feb.

5th.

ALTERATIONS Cost, \$10,000

SALINAS, Monterey Co., Cal.

Alterations to present frame and

stucco store building.

Owner—J. A. Cornett, 111 San Luis

St., San Jose.

Architect—A. W. Story, Pajaro Valley

Bank Bldg., Watsonville.

Preparing Plans.

OFFICES Cost, \$—

LOS ANGELES, Cal. 629-33 S Hill

Street.

Twelve-story and basement class A

reinforced concrete & steel frame

offices (60x153 ft.).

Owner—Sun Realty & Finance Corp.

Architect—Claid Beelman, Union B'k

Bldg., Los Angeles.

Steel—Consolidated Steel Corp., Los

Angeles.

Construction is to start about April

Contract Awarded—Sub-Bids Being

Taken.

STORE BLDG. Cost, \$23,900

BURLINGAME, San Mateo Co., Cal.

Burlingame Ave. and Primrose

Road.

One-story reinforced concrete store

building with tile roof (5 stores; 91

by 110 feet).

Owner—Martin Stelling Jr., 155 Mont-

gomery St., San Francisco.

Architect—Bertz, Winter & Maury, 210

Sutter St., San Francisco.

Contractor—Young & Horstmeier, 461

Market St., San Francisco.

To Be Done By Day's Work.

OFFICES Cost, \$15,000

OAKLAND, Alameda Co., Cal. 1101

75th Ave.

Two-story frame and stucco office

building.

Owner and Builder—Red-E-Distribu-

tors, 801 22nd St., Oakland.

Architect—None.

Plans Being Completed.

STORES Cost, \$25,000

SAN FRANCISCO. SW Post and Fill-

more Sts.

One-story reinforced concrete (7) store

building.

Owner—Dunn-Williams Realty Corp.,

155 Montgomery St.

Architect—S. Heiman, 605 Market St.

Bids will be taken Feb. 1st.

Plans Being Prepared.

ADDITION Cost, \$2,000,000

PORTLAND, Oregon.

Seventeen-story class A addition to de-

partment store.

Owner—Meir-Frank Company.

Architect—DeYoung Moscovitz and

Rosenberg, Portland.

Engineer—T. Ronneberg, Crocker Bldg.

San Francisco.

SAN JOSE, Santa Clara Co., Cal.—

Carlton Hotel and Holmes Hardware

Store destroyed by fire January 25

with loss of \$250,000. The structure

will be replaced at once with a modern

two-story fireproof building, ac-

cording to Arthur E. Holmes, the

owner.

Bid Opening Deferred.

RESTAURANT Cost, \$—

OAKLAND, Alameda Co., Cal. Oak-

land Outer Harbor.

One-story reinforced concrete restau-

rant (20x18 feet).

Owner—City of Oakland Port Com-

mission, 424 Oakland Bank Bldg.,

Oakland.

Architect—Eng. Dept. of Owner.

NOTE:—Lacking a quorum on Janu-

ary 24, the bids were not opened by

the City Port Commission. The date

for opening is yet indefinite.

Sub-Contracts Awarded.

CLASS A BLDG. Cost, \$65,000

SAN FRANCISCO. SW Bush St. and

Franklin St.

One-story and mezzanine floor class

A reinforced concrete and steel

frame building (120x144-9 ft.).

Owner—Mrs. Ray Schwartz.

Engineer—L. H. Niskian, 525 Market

Street.

Manager of Const.—Mel. I. Schwartz,

408 Kearny St.

Lessee—Firestone Tire & Rubber Co.

Grading—Sibley Grading & Teaming

Co., 165 Landers St.

Bids are wanted on reinforcing steel,

concrete, electrical work and steel

sash.

As previously reported structural

steel awarded to Dyer Bros. Iron

Works, 17th and Kansas Sts.

Building will run from Bush to Fern

St. on Franklin and will have steel

rolling doors, metal sash and terra

cotta cement floor.

Sub-Contracts Awarded.

STORES Cost, \$—

OAKLAND, Alameda Co., Cal. SE San

Pablo and University Avenues.

One-story brick (5) store building.

Owner—A. J. Weisbrod, 327 Warfield

Ave., Oakland.

Plans by Owner.

Contractor—Spivock & Spivock, Ho-

bart Bldg., San Francisco.

Reinforcing Steel—W. S. Wetenhall,

17th and Wisconsin Streets, San

Francisco.

Structural Steel—Judson - Pacific Co.,

609 Mission St., San Francisco.

Plumbing—A. Feldhammer, 1004 Park,

Alameda.

Electric Wiring—T. L. Rosenberg, 411

Webster St., Oakland.

Marble—Ray Cook Marble Co., foot

of Powell St., Oakland.

Brick Work—A. Hallert, 2500 65th St.,

Oakland.

Lumber Contract Awarded.

ALTERATIONS Cost, \$13,000

SAN FRANCISCO. NW Nineteenth

and Shotwell Sts.

Alterations to 2nd and 3rd floors of

office building.

Owner—Langenort United Bakeries,

McAllister and Fillmore Sts.

Mgr. of Const.—Mel. I. Schwartz, 308

Kearny St.

Contractor—Industrial Const. Co., 815

Bryant St.

Lumber—J. H. McCallum Lumber Co.,

743 Bryant St.

Sub-bids are being taken on other

portions of the work.

Sub-Contract Bids Wanted—Bids Close

Jan. 30, 4 P. M.

BANK BLDG. Cost, \$250,000

SALINAS, Monterey Co., Cal. Main

Street.

Six-story class A steel frame, terra

cotta and brick bank building.

Owner—Salinas National Bank.

Architect—Swartz & Ryland, Spazier

Bldg., Monterey; 373 Main St., Sa-

linas, and Erix Bldg., Fresno.

Sub-bids in connection with this

work are being received by the ar-

chitects. Bids are especially desired

for: granite, excavation, steel frame

fabrication, erecting steel frame, con-

crete piling, brick work, linoleum,

painting, miscellaneous and ornament-

al iron work, lathing and plastering,

marble work, tile work, glass, electric

work, elevators, ventilating, plumbing

and heating.

Plans Being Prepared.

OFFICES Cost, \$—

LOS ANGELES, Cal. E Broadway,

between 11th and 12th Sts.

Class A limit height offices and stores

(50x133 ft.; reinforced concrete and

steel construction).

Owner—Los Angeles Desk Co.

Architect—Lloyd Rally, Subway Ter-

terminal Bldg., Los Angeles.

Bldgs Opened—Held Under Advisement
STORE Cost, \$200,000
STOCKTON, San Joaquin Co., Cal.
Three-story reinforced concrete store
building.

Owner—S. H. Kress Dept Store, 621
S Broadway, Los Angeles.
Architect—John H. Fleming, Los An-
geles.

Following is a list of the contrac-
tors who submitted bids:
Clinton Const. Co., San Francisco.
MacDonald & Kahn, San Francisco.
O. H. Chain, Stockton.
Lewis & Green, Stockton.
Robert McKee, Los Angeles.
Meltzer & Son, Los Angeles.
Beller Const. Co., Los Angeles.
Sumner Solitt Const. Co., Los An-
geles.
McLane Const. Co., Los Angeles.
Etherton Const. Co., Los Angeles.
Announcement of award will be
made shortly.

Plans Being Prepared.
OFFICE BLDG. Cost, \$—
SAN JOSE, Santa Clara Co., Cal. San
Fernando Street.
Three-story modern office and store
building (type of construction not
decided).
Owner—San Jose Hardware Co., Ar-
thur and Warren Holmes, Prop.
Architect—Binder & Curtis, 35 W San
Carlos St., San Jose.

Contract Awarded.
BANK Cost, \$1,000,000
LOS ANGELES, Cal. No. 621-23-S.
Spring Street.
Twelve-story and basement Class A
steel frame with pressed brick and
terra cotta facing bank and of-
fices (50x155 feet).
Owner—Spring Street Realty Co.,
Harry J. Bauer, President.
Architect—John and Donald Parkin-
son, Title Insurance Bldg., Los
Angeles.
Contractor—P. J. Walker Co., Garland
Bldg., Los Angeles.

Sub-Contracts Awarded.
STORE BLDG. Cost, \$450,000
OAKLAND, Alameda Co. Cal. Twenty-
seventh St. and Telegraph Ave.
Three-story, basement and tower
modern Class A reinforced con-
crete store building.
Owner—Scars, Roebuck Co., Ninth &
Boyle Sts., Los Angeles.
Architect—Eng. Dept. of Owner.
Contractor—P. J. Walker Co., Sharon
Bldg., San Francisco.
Electrical Work—Ne Page McKenney
Co., 128 10th St., Oakland.
Smoke Stacks—California Steel Pro-
ducts Co., 452 Bay St., S. F.
Plastering—MacGruer & Co., 266 Te-
hama St., San Francisco.
Glass and Glazing—Cobbledick-Kibbe
Glass Co., 301 Washington Street,
Oakland.

Hardwood Floors—Hardwood Floor
Co., 1911 E-12th St., Oakland.
Rubber Tile—Malott & Peterson, 3221
20th St., San Francisco.
Awning—Daahl Thoms Company 2335
Broadway, Oakland.

As previously reported, heating and
ventilating awarded to Latourrette-
Fical Co., 630 4th St., Oakland, at
\$26,162; plumbing to Latourrette-Fical
Co., at \$23,132; painting to Aristo
Painting Co., 473 Bryant St., S. F.,
at \$4045; sheet metal work to East
Bay Sheet Metal Works, 1101 Market
St., Oakland, at \$899; metal stairways
and railings to Michel & Pfeffer Iron
Works, Harrison and Tenth Sts., S.
F.; masonry work to Reed & Reed,
Hearst Bldg., S. F., at \$45,419; misce-
laneous iron and steel work to Fair
Mfg. Co., 617 Bryant St., S. F., at
\$1185; structural steel (furnish and
erect) to Fair Mfg. Co., at \$3312; cast
steel (furnish and deliver) to Geo.
MacGruer, 266 Tehama St., S. F., at

\$8036; excavating to J. Catucci, 1212
10th Ave., Oakland; metal column
forms to Des Lauriers Metal Products
Co., 1730 25th Ave., Oakland.

Plans Being Prepared.
REMODELING Cost, \$—
SAN FRANCISCO, 31 Powell St.
Remodel building for cafe.
Owner—Pign Whistle Corp.
Architect—Chas. F. Plummer, Story
Bldg., Los Angeles.
It will occupy the ground floor and
basement of the building and the work
will involve remodeling the front and
interior and installation of marble,
tile and terrazzo work, decorating,
electric wiring and fixtures, ventila-
ting system and kitchen equipment.
The work will be done by San Fran-
cisco contractors. The Pign Whistle
Corp. proposes opening up several
other cafes in the bay district and
Los Angeles, locations and particu-
lars to be announced later.

Contract Awarded.
STORE Cost, \$15,000
SANTA BARBARA, Cal. 632 Chapala
Street.
Semi fireproof store.
Owner—Freeze & Freeze.
Architect—Roland F. Sauter, Granada
Bldg., Santa Barbara.
Contractor—Santa Barbara Const. Co.,
Santa Barbara.

Preliminary Plans Being Prepared.
RESTAURANT Cost, \$25,000
FRESNO, Fresno Co., Cal.
Spanish restaurant.
Owner—Estrada Spanish Kitchen.
Architect—Swartz and Ryland, Brix
Bldg., Fresno, Spaxier Bldg., Mont-
erey and 373 Main St., Salinas.

Preparing Working Drawings.
STORE Cost, \$100,000
OAKLAND, Alameda Co., Cal. Tele-
graph Ave. and Hobart St.
Three-story class C store and dance
hall.
Owner—Sweet's Ballroom.
Architect—Miller & Warnecke, Finan-
cial Center Bldg., Oakland.
More definite information will be
given within one week.

Plans Being Prepared.
SHOP Cost, \$—
CARMEL, Monterey Co., Cal. SW
Ocean Ave. and Monte Verde St.
Two-story Norman type frame and
stucco shop bldg. (11 shops).
Owner—Mrs. Ethel Young, Carmel.
Architect—Robert Stanton, Carmel.
There will be a central heating
plant, and several open fire places.
Bids will be called for in about sixty
days.

Contract Awarded.
STORE Cost, \$11,376
MAYFIELD, Santa Clara Co., Cal. 49
College Terrace.
One-story concrete store.
Owner—Joseph A. Gemur, 309 Leland
St., Palo Alto.
Architect—None.
Contractor—Geo. B. Moore, 531 Stan-
ford St., Palo Alto.

Contract Awarded.
STUDIO Cost, \$20,000
SAN MATEO, San Mateo Co., Cal.
Two-story concrete studio building.
Owner—Frederick Smith, 300 B St.,
San Mateo.
Architect—Enrl Cavasso, 233 2nd Ave.,
San Mateo.
Contractor—Sierra Const. Co., 233 3rd
Ave., San Mateo.

FRESNO, Fresno Co., Cal.—Neil
White & Co., shoe dealers, 1937 Mar-
lissa St., has leased quarters at 1133
Fulton street to operate as a fourth
store in this city and will expend ap-
proximately \$30,000 in remodeling and
installation of fixtures. In addition to

interior work, a new front will be in-
stalled. Luther P. Neil is head of the
company.

Plans being Figured.
BANK Cost, \$30,000
REDWOOD CITY, San Mateo Co.,
Cal. Upper Broadway and Minnie
Street.
One-story concrete modern bank
building (90x90 ft.; Spanish type).
Owner—San Mateo County Bank, Red-
wood City.
Architect—Albert F. Roller, Crocker
First National Bank Bldg., San
Francisco.

THEATRES

Plans Being Completed.
THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. Twelfth
and Broadway.
Two-story theatre and store building
(theatre to seat approx. 800).
Owner—Levy Estate, Oakland.
Architect—Clausen & Amandes,
Hearst Bldg., San Francisco.
Bids will be taken in about three
weeks.

Contract Awarded.
THEATRE Cost, \$375,000
YUMA, Arizona. Third and Main Sts.
Five-story and basement Class A re-
inforced concrete hotel, theatre
and stores (theatre to seat 1050).
Owner—San Felipe Hotel Co.
Architect—Gilbert Stanley Underwood
& Co., California Reserve Bldg.,
Los Angeles.
Contractor—McKeefrey Bros., 1422 E-
Sixth St., Yuma.

Commissioned To Prepare Plans.
THEATRE Cost, \$250,000
HUNTINGTON PARK, Los Angeles
Co., Cal.
Class A reinforced concrete theatre
and stores, 114x150 feet (to seat
2000).
Owner—Warner Bros.
Architect—B. Marcus Priteca, 915
Warner Bros. Downtown Theatre
Bldg., Los Angeles.

Commissioned To Prepare Plans.
THEATRE Cost, \$250,000
SAN PEDRO, Los Angeles Co., Cal.
Class A reinforced concrete theatre
and stores, 125x200 feet, (to seat
2000).
Owner—Warner Bros.
Architect—B. Marcus Priteca, 915
Warner Bros. Downtown Theatre
Bldg., Los Angeles.

BAKERSFIELD, Kern Co., Calif.—
Architect S. C. Lee, 431 Petroleum Se-
curities Bldg., Los Angeles, announced
following additional bidders who will
submit general contract bids for 2-
story reinforced concrete class A the-
atre and store building in Bakersfield
for Fox West Coast Theatres: Henry
Eissler, 2223 18th St., and J. J. Garfield
both of Bakersfield. Other bidders are
H. M. Baruch Corp., A. T. Lane, Sum-
ner-Solitt Co., H. I. Beller, J. Wes-
ley Porderer, A. V. Perkinson, Inc.,
and Christ Thoren. The building will
be two-stories, 150x122 feet and will
contain 11 stores on main floor and
offices on second floor, balcony and
auditorium seating 2000.

STOCKTON, San Joaquin Co., Cal.—
L. R. Crook, president of National
Theatre Syndicate and Wallace Pred-
dy, vice-president of the same com-
pany, are in Stockton looking over
locations on which the company pro-
poses to erect a \$500,000 Class A
theatre.

SAN LUIS OBISPO. San Luis Obispo Co., Cal.—Fox-West Coast Theatres, Inc., is having plans prepared for a modern theatre to be erected in this city. Will have a seating capacity of 2000 and will be of fireproof construction. Harold B. Franklin, president of the Theatre Operating Co., operating the Elmo and Obispo Theatres, is interested in the proposed new structure.

Plans Being Completed.
THEATRE. Cost, \$200,000
MERCED. Merced Co., Cal. Seventh and J Sts. (150x150 feet).
Two-story Class C steel frame and reinforced concrete theatre, stores and office building (theatre to seat 1700).
Owner—Golden State Theatres, Inc., 983 Market St., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
J. W. Huffman, Merced, awarded grading contract. Bids will be called for shortly.

WHARVES AND DOCKS

SAN FRANCISCO.—Until February 6, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for repairs to East Garrison Wharf, Coal Bunker Wharf and West Garrison Wharf at Fort McDowell. Plans obtainable from above office.

PEARL HARBOR. T. H.—See "Government Work and Supplies," this issue. Bureau of Yards and Docks to ask bids shortly for reinforced concrete pier, quays and bulkhead, including piping and electrical work.

SAN FRANCISCO.—Following bids received by Constructing Quartermaster, Fort Mason, for repairs to torpedo wharf at Fort Winfield Scott:
Clinton Const. Co., 923 Folsom Street \$1,100
M. B. McGowan, S. F. 1,260
Healy-Tibbitts Const. Co., S. F. 1,584
Bids taken under advisement.

MISCELLANEOUS CONSTRUCTION

BERKELEY. Alameda Co., Calif.—H. Johnson Co., 26th and Peralta Sts., Oakland, at \$1,331.49 submitted only bid and was awarded contract by Florence E. Turner, city clerk, to surface tennis courts at San Pablo and James Kennedy Playgrounds.

Plans Completed.
STATION. Cost, \$—
KENTFIELD. Marin Co., Cal.
One-story frame and stucco (Mission type) passenger station, 43x14 ft.
Owner—Northwestern Pacific R. R., 65 Market St., San Francisco.
Architect—Eng. Dept. of Owner.
Bids will probably be called for shortly.

MERCED. Merced Co., Cal.—L. J. C. Wegner, Merced, announces plans are being completed for the erection of a new archway on the north entrance to the city of Merced from the Golden State Highway; will be 54 ft. wide, equipped with Neon lights and electrolights.

OAKLAND. Alameda Co., Cal.—Following bids received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., to furnish and install electrically operated dumb waiter in Oakland Office Building at 512 16th St.:
C. Jorgensen Co., 604 Mission St., San Francisco \$ 975
Price Building Specialties Co., San Francisco 1017
Otis Elevator Co., San Francisco 1085
S. F. Elevator Co., S. F. 1175

Spencer Elevator Co., S. F. 1210
Bids held under advisement.

OAKLAND. Alameda Co., Cal.—Following bids received by Frank C. Merritt, City Clerk, to install flood lighting system at city hall:
General Electric Supply Co., 9th and Jackson Sts., Oakland. \$1075.45
Union Electric Co., Oakland. 1094.00
Bids held under advisement.

SAN FRANCISCO.—Until February 5, 2:30 P. M., bids will be received by Board of Public Works to rehabilitate Stockton Street Tunnel, involving waterproofing, painting, lighting and general repairs. The cost is estimated at \$11,000. A deposit of \$10 is req. for plans, obtainable from Bureau of Engineering, 3rd floor, City Hall.

BAKERSFIELD. Kern Co., Calif.—Until February 10, 5 P. M., bids will be received by V. Van Ripper, city clerk, to construct one cement tennis court and fence at Jastro Park. Cert. check 10% payable to city required with bid. Plans obtainable from clerk.

SAWTELLE. Los Angeles Co., Cal.—R. G. Meyler Corp., 940 Maple Ave., Los Angeles, has the contract for installing a 500-h. p. boiler for the new buildings being erected at Sawtelle for the U. S. Veterans' Home. Meyler Corp. also has the contract for installing a 200-h. p. boiler at Kelso, Calif., for the Union Pacific Co., and for installing two 300-h. p. boilers at the Ford Motor Co. plant at Long Beach.

REDWOOD CITY. San Mateo Co., Cal.—City Manager E. A. Rollson announces a contract will be let shortly for a one-story "bungalow" type structure to be known as the Redwood City Animal Shelter, (city pound). The structure will be financed by a private donation to the city and will be 24 by 50 feet.

OAKLAND. Cal.—E. M. Jorgensen Co., 563 Third St., seek authorization of city council to install 5-ton overhead crane for unloading cars in vicinity of Third and Clay Sts. The application has been referred to the Street Department for report and recommendation.

COALINGA. Fresno Co., Cal.—As previously reported, Boiler, Tank & Pipe Co., 75th Ave. and E-10th St., Oakland, at \$1085 awarded contract by city council to furnish and erect one gas receiver tank, 8 ft. dia. by 40 ft. long with standard dished heads ¾-in. thick, shell ¾-in. thick with all seams doubled welded, or welded inside and out with 11 by 16 manhole and one head, etc. Other bids were: Southwest Welding & Manufacturing Co., Los Angeles, \$894; California Steel Products Co., Los Angeles, \$975; Standard Boiler & Steel Works, Los Angeles, \$1031; Western Pipe & Steel Co., San Francisco, \$1050; Steel Tank & Pipe Co., Berkeley, \$1075; Consolidated Steel Corp., Los Angeles, \$1285; Kyle Co., Fresno, \$1450.

SEBASTOPOL. Sonoma Co., Calif.—Until Feb. 7, 7:30 P. M., bids will be received by F. G. McFarlane, city clerk, to clear portion of sewer farm required for new sewage disposal plant. Certified check 10% required with bid. Specifications on file in office of city clerk.

Planned.
OBSERVATORY. Cost, \$1,000,000
LOS ANGELES. Los Angeles Co., Cal.
Griffith Park.
Observatory.
Owner—City of Los Angeles.
Architect—Not Selected.

COALINGA. Fresno Co., Cal.—Boiler, Tank and Pipe Co., 75th Ave. and E 10th St., Oakland, at \$1,085 awarded contract by city council to furnish and erect one gas receiver tank, 8-ft. dia. by 40-ft. long with standard dished heads ¾-in. thick, shell ¾-in. thick with all seams double welded, or welded inside and out with 11 by 16 manhole and one head, etc.
Plans Being Figured.

REMODEL DEPOT. Cost, \$8,000
SACRAMENTO. Sacramento Co., Cal. Seventh and L Sts.
Remodeling of present depot for deluxe stage depot.
Owner—Southern Pacific Motor Transport Co., 9 Main St., San Francisco.

Architect—Eng. Dept. of Owner.
Bids are being taken by Mr. Evans, care S. P. Motor Transport Co., 2047 San Pablo Ave., Oakland, for a general contract.

UKIAH. Mendocino Co., Cal.—Until Feb. 4, 7:30 P. M. bid will be received by F. C. Handy, city clerk, to furnish and install one complete Commercial Butane gas manufacturing system as present gas plant of city. Certified check 10% required with bid. Plans obtainable from Leon B. Jones, gas engineer, 58 Sutter St., San Francisco.

Bids Wanted.
ADDITION. Cost, \$450,000
LOS ANGELES. Cal. Exposition Park.
Add to Coliseum.
Owner—City of Los Angeles.
Architect—John and Donald Parkinson, Title Insurance Bldg., Los Angeles.

Section A will include the removal of the upper half of the structure and reconstructing of reinforced concrete, with a few additions. This portion of the work will be done first and will cost about \$450,000, funds for which are available. Section B will include the addition of 25,000 seats and will cost an additional \$450,000. Funds for the work under Section B will not be available until July 1st.

FORTUNA. Humboldt Co., Cal.—Fortuna Union High School District contemplates the construction of a swimming pool in connection with the high school plant. The project has the endorsement of the Business Mens' Association.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street, Phone KEarny 1252:

17073—Electric Light Globes. Seattle, Wash. The representative of a manufacturer of incandescent globes located in Tokyo is in this country to establish direct connections with importers of this product.

17084—General Representation. Tegucigalpa, Honduras. Party desires to represent in Honduras California manufacturers and exporters.

D-3372—Distributor. Indianapolis, Indiana. Distributor for malted milk who covers the soda fountain trade in and around San Francisco desired.

D-3373—Auto Supplies. Berkeley, Calif. Party looking for connection with a manufacturer or wholesaler of auto supplies, parts, equipment, or accessories, who has new territory to develop, or old territory to work more intensively.

D-3374—Representative. New Albany, Ind. Company in the market for a representative to handle complete

line of equipment for varnish making, paint and lacquer.

D-3375—Patent. New York City. Party interested in disposing of patent for safety tank filling device, for boats of any kind. Some advertising already done and the device quickly sells itself.

D-3376—Lumber. Aberdeen, Wash. Party desirous of securing market for green alder and maple lumber with shipment to San Francisco from Port Dock by steamer. Can furnish ten thousand feet per day.

D-3377—Distribution. Cincinnati, O. Concern in position to give national distribution at minimum cost to item that would come under the classification of household or kitchen utility, or novelty, either for the house or individual.

D-3378—Representation. Chicago, Ill. Company desires to secure the representation in the central and central western states of products sold through the wholesale channels. Prepare to furnish complete data as to their responsibility, etc.

STANDARDS BUREAU TO STUDY SKYSCRAPER PLUMBING

Plumbing experiments conducted some years ago at the U. S. Bureau of Standards, in co-operation with the sub-committee on plumbing in the Department of Commerce Building Code Committee, have been resumed as the result of a recent conference at New York, held by the committee. It will be recalled that the results of the previous series of experiments formed the basis for the so-called Hoover Code, which has had wide influence in determining plumbing requirements throughout the country.

The scope of the previous investigation was limited both because of available funds and because of a demand for early recommendations covering plumbing in small buildings. It is intended in the present investigation to pick up the program and extend its field into plumbing installations in high buildings.

Recommendations for plumbing in such structures have already been brought out by the plumbing committee in response to continued requests, but the committee has recognized frankly that further experimentation will be necessary before the last word can be said upon the subject.

The actual experimental work will be done as before by experts of the Bureau of Standards, and the results will be interpreted by the committee so that they may be put to general use. It is estimated that the program will cover at least three years. Tentative plans covering such a period have been drawn up and preliminary investigation work is already under way. Progress will depend upon the degree of financial support given by the plumbing industry and by those who use plumbing. Enough funds have been raised through such sources to initiate the work, and it is hoped that further support will be forthcoming so that it will not lapse.

Briefly, it is proposed to investigate actual conditions in plumbing stacks, drains, and venting systems in large buildings with the object of determining the actual facts that exist there. This will be done partly by inserting measuring instruments in the plumbing lines and measuring the loads that occur in different occupancies over a sufficient period of time to get a true picture of the situation. After enough data have been collected to form a basis for judgment, it will then be possible to prepare tables and other

so that they will function efficiently. practical means for designing systems
GRAVEL ROADS DESCRIBED IN UNIVERSITY CIRCULAR

In many localities gravel offers a possible means of satisfying the insistent demand for reasonably good all-weather and all-season roads on the secondary and outlying highways where traffic is comparatively light and funds are usually meager.

During the past few years considerable study has been devoted to gravel roads. Practically all of this study, however, has been directed at the problem of how to protect existing gravel roads from rapid destruction by excessive traffic, rather than to that of finding effective methods of building and maintaining untreated gravel roads at low cost, suitable for light to medium traffic.

The object of the investigation reported in Circular No. 18 of the Engineering Experiment Station of the University of Illinois was to secure reliable data concerning the methods, materials, and equipment best suited to the construction, rehabilitation, and maintenance of gravel roads subjected only to moderate traffic.

The experimental work consisted in the construction and maintenance of a mile of gravel road, including the preparation of the subgrade, and the rehabilitation and maintenance of a mile of existing roadway built of local material in a fair to poor state of repair. The circular contains a detailed description of the work involved, the machinery and materials used, and a summary of the results obtained.

Copies of Circular No. 18 may be obtained without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

WHAT IS A CONTRACTOR?

There is no class of work that takes on as varying qualities as contracting. It appeals to men who are optimistic and to those who have been born in them the longing for doing things. The contractor must be a man first and possess the most common things, "common sense," and he must have "physical sense," the sense that tells a man without calculating wherein lies the center of gravity; the sense that tells a man values without estimating; the sense that tells a man quantities without measuring. He must have a magnetism in order to gather his men about him. He must have a reputation for justice in order to hold them. He must be forceful in order to inspire energy in others. He must be a lawyer and a buyer. He must have the ingenuity of an inventor and the grasp of a Field Marshal. He must also know when not to be a politician. He must be a financier and an advertiser and last, but not least, a prophet.—Exchange.

HALF BILLION FOR NEW YORK CONSTRUCTION IN 1930

New York state's answer to President Hoover's plea for public construction to help guarantee prosperity is a \$479,184,000 public works program. Governor Roosevelt advised Secretary of Commerce Lamont. This includes state, city and county projects. Of the total, \$94,610,357 represents state finances projects, a \$22,422,057 increase over 1929. City construction totals \$329,574,137. Fifty-four of fifty-seven counties outside New York City will spend \$41,090,948. The state also will expend \$10,000,000 bond receipts for general improvements.

BUILDING INDUSTRY ON COAST IN FAVORABLE POSITION

The building industry on the Pacific Coast is in much more favorable position than is the case for the United States as a whole, according to an analysis of recent western and national building records just completed by S. W. Straus & Co. While the total of new building for which permits were issued in 588 principal cities of the United States during 1929 was 11.6% below the comparable figures for 1928, the relative reduction in 105 Pacific Coast cities amounted to but 7.1%.

Figures compiled by the S. W. Straus & Co. National Monthly Building Survey show a 588-cities total of \$3,827,821,447 in building permits issued during 1928, and \$3,379,977,311 in 1929, while the 1928 total for 105 Pacific Coast cities was \$404,904,563 in 1928, and \$375,779,431 in 1929. The Pacific Coast total amounted to 10.5% of the national total in 1928 and 11.1% in 1929.

Throughout the country the greatest reductions in the 1929 building program occurred during the last quarter of the year. In this period the Pacific Coast cities were far less influenced than was the country as a whole by the effect on building activity produced by the drastic stock market break. Building permits totals for the last quarter of 1929, the Straus survey shows, were 26.6% below the 1928 figure for the country at large, and showed but a 12.7% decline for the Pacific Coast.

STEEL OFFICE EQUIPMENT TO BE SIMPLIFIED

A committee representing purchasers of steel office equipment throughout the country, is being organized for the purpose of determining the advisability of simplifying the existing variety in over-all dimensions of this type of equipment, as well as a clarification of the use of the term "olive green," according to the Division of Simplified Practice, U. S. Department of Commerce. Under existing conditions there is considerable difficulty experienced by the purchaser of steel office furniture in matching his present equipment, the division reports.

400 CIVIL ENGINEERS WANTED BY DEPARTMENT

Approximately 400 qualified civil engineering employees will be added to the state department of public works in the near future by means of examinations to be given by the civil service commission. Vacancies in both offices and field positions are located throughout the state, with salaries ranging from \$100 to \$230 a month.

Written examinations will be given at Sacramento, San Francisco and Los Angeles, and at such of the following points as the number of applicants may warrant: Bishop, Fresno, San Bernardino, San Luis Obispo, Eureka and Redding. Oral interviews will be given at Sacramento, San Francisco and Los Angeles.

State Senator Michael J. McDonough of Oakland, has been elected president of the Building Trades Division of the American Federation of Labor. He succeeds William J. McSorley, resigned. Before entering the legislative halls of California, McDonough was a plasterer. In assuming his new duties he will reside in Washington, D. C.

Engineering News Section

BRIDGES

LOS ANGELES, Cal.—City Engineer John J. Jessup preparing plans for First St. viaduct over Glendale Blvd. Funds to cover the cost, estimated at \$600,000, will be provided by the council after plans have been completed.

HUMBOLDT CO., Cal.—Until Feb. 19, 2 P. M., bids will be received by State Highway Commission to construct undergrade crossing under tracks of Northwestern Pacific Railroad at Loleta, consisting of a 60-ft. deck plate girder span on concrete piers with pile foundations.

See call for bids under official proposal section in this issue.

EUREKA, Humboldt Co., Calif.—County Surveyor Frank E. Kelly is conferring with the U. S. Bureau of Roads, 461 Market St., San Francisco, regarding construction of a bridge across Trinity river at Hoopa.

PHOENIX, Ariz.—Lynch-Cannon Engineering Co., 1027 Chapman Bldg., Los Angeles, awarded contract by the Arizona Highway Commission at \$397,608.10 to construct Phoenix-Tempe Highway Bridge, P. A. P. 2-B. The work consists of the construction of a bridge, composed of ten reinforced concrete arches, across the Salt River at Tempe, Ariz. The work is to be completed on or before July 31st, 1931. The approximate quantities are: 12,252 cu. yds. excav. (unclass.); 241 cu. yds. class AA concor. above curbs; (C.F.C.); 299 cu. yds. class AA concor. (sidewalks) (C.F.C.); 10,274 cu. yds. class A concr. (C.F.C.); 6584 cu. yds. class B concr. (C.F.C.); 426 cu. yds. sand fill in abt. piers (C.I.P.); 1,791,083 lbs. reinf. steel (incl. exp. plates) (C.I.P.); lighting system (C.I.P.).

MARTINEZ, Contra Costa Co., Cal.—Until February 17, 11 A. M., bids will be received by J. H. Wells, county clerk, to repair and re-floor Old River bridge over Old River on the Borden Highway. Cost will be borne by Contra Costa County and San Joaquin County supervisors. Cert. check 5% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from Julius Matheny, county surveyor at Stockton, or from R. R. Arnold, county surveyor at Martinez, on deposit of \$10, returnable.

SISKIYOU COUNTY, Cal.—As previously reported, bids will be received by State Highway Commission Feb. 13 to construct a reinforced concrete bridge at Station 295 plus 75.25 about 5½ miles north of Yreka, consisting of one 200-ft. open spandrel arch span and three 40-ft. girder approach spans. Project involves: 920 cu. yds. struc. excav.; 750 cu. yds. class B, 790 cu. yds. class F, 600 cu. yds. class A and 22 cu. yds. class E Portland cement concrete; 216,000 lbs. reinf. steel; 200 cu. yds. rubble masonry; 1 lot, miscellaneous items of work.

SAN GABRIEL, Los Angeles Co., Cal.—Southern Pacific Railway plans steel railway bridge to replace the existing one over Rubio wash in East San Gabriel. Est. cost, \$60,000.

SANTA CRUZ, Santa Cruz Co., Cal.—C. C. Gildersleeve, Felton, Calif., at \$6753.05, using redwood timber,

awarded contract by city to construct reinforced concrete and timber bridge in Market St. over Branciforte Creek, involving 122 cu. yds. excavation; 57 timber piles in place; 127 cu. yds. Class A concrete; 12,000 lbs. reinforcing steel in place; 34 M. B. M. timber in place; 2170 sq. ft. roadway wearing surface. Other bids: Rocca & Coletti, San Rafael, \$7223.50; Ralph Hunter, Sacramento, \$7389; N. M. Their, Santa Cruz, \$7507.90.

HUMBOLDT COUNTY, Cal.—As previously reported, bids will be received February 19, by the State Highway Commission to construct undergrade crossing under tracks of the Northwestern Pacific Railroad at Loleta, consisting of a 60 ft. deck plate girder span on concrete piers with pile foundations. Project involves: 300 cu. yds. structure excavation; fur. 1900 lin. ft. redwood piles, including test pils; drive 60 redwood piles, including test pils; 190 cu. yds. Class "A" cem. conc.; 15,000 lbs. reinforcing steel; 80,000 lbs. structural steel; 2270 lbs. cast steel, etc.

DREDGING, HARBOR WORKS & EXCAVATIONS

PEARL HARBOR, T. H.—Bids will be asked shortly by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6037, for waterfront improvements at Naval Operating Base, Naval Station and Submarine Base) at Pearl Harbor, the work consisting of reinforced concrete pier, quays and bulkhead, including piping and electrical work. Persons wishing to obtain bidding data should forward to the Bureau, to the Commandant, Naval Operating Base, Pearl Harbor, T. H., or to the Commandant, Navy Yard, Mare Island, California, a check or postal money order for \$25, payable to the Chief of the Bureau of Yards and Docks, as security for the safe return of the drawings and specifications, requesting a set of same. Applications and deposits will be placed on file and the drawings and specifications mailed as soon as they are available. Prospective bidders on the West Coast should make application for the bidding data to the Commandant, Navy Yard, Mare Island, Calif.

LOS ANGELES, Cal.—Chief of Engineers, U. S. Army, has authorized dredging of 665,000 cu. yds. of material at Los Angeles Outer Harbor.

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HONOLULU, T. H.—Chief of Engineers, U. S. Army, Washington, D. C., has authorized call for bids to construct 1,100 lin. ft. rubble mound breakwater at Kahuhu Harbor, T. H. Bids will be asked shortly.

SAN FRANCISCO.—Chief of Engineers, U. S. Army, has authorized dredging of approx. 871,870 cu. yds. of material in Oakland Harbor. The work will be handled through the U. S. Engineer Office, Customhouse, San Francisco.

NEWPORT BEACH, Orange Co., Cal.—City Engineer R. L. Patterson preparing plans for construction of groynes along ocean from 34th to 50th Sts.; estimated cost \$125,000.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Calif.—Until Feb. 17, 3 P. M., bids will be received by Anna M. Sorensen, secretary, Turlock Irrigation District, under:

Schedule No. 1, consisting of approximately 68,250 sq. ft. 2-in. thick concrete canal lining.

Schedule No. 2, consisting of approximately 15 concrete structures, involving 20 cu. yds. concrete.

Schedule No. 3, consisting of approximately 2 wooden bridges, involving 1,664 O. B. F. M.

Certified check 5% payable to district required with bid. Plans on file in office of clerk, R. V. Meikie, chief engineer of district.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Roselip Const. Co., San Luis Obispo, awarded contract by State Department of Public Works, Division of Architecture, for additions to irrigation system at Polytechnic school, involving 1,800 lin. ft. concretes pipe, gate valves, etc.

STREET LIGHTING SYSTEMS

GUSTINE, Merced Co., Calif.—City trustees set Feb. 25 as date to vote bonds of \$5,000 to finance installation of an electrolier system in the business district. W. L. Chappell is city clerk.

SACRAMENTO, Cal.—Proceedings have been started by city council to install electroliers together with underground system in J. St., between Ninth and Tenth Sts., B. C. Clark is city engineer.

MODESTO, Stanislaus Co., Calif.—Petitions have been presented to city council seeking installation of ornamental electroliers, together with underground system in 11th St. bet. K and Needham Ave. Referred to City Engineer Frank Rossi for report.

PACIFIC GROVE, Monterey Co., Cal.—City Council declares intention (3149) to install ornamental street lighting system in Central Ave., bet. First St. and Fountain Ave., and Fountain Ave., bet. Ocean View Ave. and Lighthouse Ave., involving 46 single light Union Metal Manufacturing Co.'s electroliers No. 807 together with underground system. 1911 Act. Bond Act 1915. Hearing February 20. W. G. Stubbs, city clerk.

PACIFIC GROVE, Monterey Co., Cal.—City declares intention (3146) to install ornamental street lighting system in Central Ave., bet. Pacific Grove city limits and Second St., involving 17 single light Union Metal Mfg. Co.'s electricians No. 807 together with underground system. 1911 Act. Bond Act 1915. Hearing Feb. 20. W. G. Stubbs, city clerk.

SOUTH GATE, Cal.—See "Streets and Highways," this issue. A. & I. No. 14.

HANFORD, Kings Co., Cal.—R. A. Wattson, Los Angeles, at \$18,994 awarded contract by city council to install ornamental lighting standards, together with underground system in 7th St. from Harris to Redington St., Duty St. from 6th to 8th Sts., Irwin St. from 6th to Court Sts., and 7th St. from Thornton St. to west line of Blocks 110 and 140.

MACHINERY AND EQUIPMENT

OAKLAND, Cal.—E. M. Jorgensen Co., 568 Third St., seek authorization of city council to install 5-ton overhead crane for unloading cars in vicinity of Third and Clay Sts. The application has been referred to the Street Department for report and recommendation.

ALMADEN, Santa Clara Co., Cal.—Bids are being received by T. J. Armstrong, clerk, Almaden Union Grammar School District, to furnish and deliver one Dodge Bros. Standard School Bus on a 1½-ton chassis, 165-inch wheel base; capacity 41 to 53 grammar school children. Tire equipment to be 32x6 front and 32x6 dual rear; six-cylinder motor, 3-¾x3-¾. Four-speed heavy duty transmission and four-wheeled hydraulic brakes. Date for opening bids has not been set. Further information is obtainable from clerk.

GLEN ELLEN, Sonoma Co., Cal.—Until February 10, 7:30 P. M., bids will be received by M. F. Johnson, clerk, Dunbar Union School District, to furnish 40 to 50 passenger school bus as a complete unit. Certified check 10% required with bid. Specifications and further information obtainable from J. H. Weise, Glen Ellen, or from the clerk at Keswood, Calif.

UKIAH, Mendocino Co., Cal.—Until Feb. 4, 7:30 P. M., bids will be received by F. C. Handy, city clerk, to furnish and install one complete Commercial Butane gas manufacturing system as present gas plant of city. Certified check 10% required with bid. Plans obtainable from Leon B. Jones, gas engineer, 58 Sutter St., San Francisco.

RAILROADS

LOS ANGELES, Cal.—W. K. Etter, general manager of the Santa Fe Ry., has announced that the Atchison, Topeka & Santa Fe Railway will spend approximately \$50,000,000 this year in the maintenance, operation and betterment of its coast lines. More than \$3,000,000 will be spent for improvements alone. For the entire Santa Fe system, 1930 expenditures will amount to more than \$280,000,000. Foremost in the way of additions and betterments will be the expenditure of \$2,318,690 for 21,748 tons of new rail, covering 143½ miles, and \$2,303,000 for the construction of additional main line or second track. Most of these improvements will be made in Arizona and Southern California. Other im-

portant improvement expenditures will include \$682,743 for additions to yard track and sidings, \$501,560 for signals and interlocking plants, \$500,000 for the elimination of grade crossings, \$411,500 for water plants and \$211,820 for new bridges. New improvements coming strictly under the heading of additions and betterments will cost \$5,440,239. Of this amount, \$2,866,490 will be spent in Arizona; \$1,516,954 in California and \$233,930 in New Mexico. Each state will share in the balance of \$822,865 which cannot be segregated. Nearly as much will be spent in completing improvements begun last year, and other improvements, costing \$3,000,000, will be charged to operation. Installation of 21,748 tons of new rail, most of which will be 110-lb. section and the balance 90-lb., will be as follows: Sixteen miles on the Los Angeles division; 18 miles on the Valley division, west of Stockton; 88 miles on the Arizona division, and 71½ miles on the Albuquerque division of which 32½ miles will be between Ashfork and Phoenix.

FIRE ALARM SYSTEMS

TUCSON, Ariz.—Until 4 P. M., Feb. 17, bids will be received by the city council to furnish and install police signalling system and certain additions to the present fire alarm system. Plans on file at office of city clerk, L. O. Cowan.

SALEM, Ore.—Until April 21, 7:30 P. M., bids will be received by M. Poulsen, city recorder, to install complete municipal fire alarm system of fifty boxes with necessary switchboards, generators, batteries, gongs, recording sets, etc. Bidder to furnish all materials for six circuits. Certified check 10% payable to city required with bid. Specifications obtainable from above.

MISCELLANEOUS SUPPLIES AND MATERIALS

OAKLAND, Cal.—Until February 4, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to furnish approximately 50 tons of peg lead. Specifications obtainable from secretary.

SAN FRANCISCO.—Until February 10, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 15,000-ft. underground cable for Department of Electricity. Further information obtainable from above.

See call for bids under official proposal section in this issue.

PIPE LINES, WELLS, ETC.

MODESTO, Stanislaus Co., Cal.—Until February 13, 7:30 P. M., bids will be received by H. E. Gragg, city clerk, for drilling well, furnishing and installing casing, sand pumping and developing well according to plans of City Engineer Frank Rossi. Certified check 10% payable to Mayor of city required with bid.

SEWERS AND SEWAGE DISPOSAL PLANTS

LAS VEGAS, Nev.—Plans for the new sewer system for Las Vegas have been completed and filed with the city council by Koebig & Koebig, consulting engineers, Rowan Bldg., Los Angeles. They are in the hands of Viola Burns, city clerk, who will present them to the city council for adoption of a resolution of intention.

CHICO, Butte Co., Cal.—Following contracts awarded by Board of Education for sewer connections at various schools, all successful bidders being of Chico: Nord Ave. school, C. C. De Marais, \$72.72; Linden school, C. C. De Marais, \$11.77; Chico Vecino school Parker Hardware Store, \$47.55; Chapman school, Parker Hardware Store, \$95.25.

GUSTINE, Merced Co., Calif.—City trustees set Feb. 25 as date to vote bonds of \$20,000 to finance construction of sewer system. W. L. Chappell is city clerk.

SEBASTOPOL, Sonoma Co., Calif.—Until Feb. 7, 7:30 P. M., bids will be received by F. G. McFarlane, city clerk, to clear portion of sewer farm required for new sewage disposal plant. Certified check 10% required with bid. Specifications on file in office of city clerk.

PASADENA, Los Angeles Co., Cal.—Louisville Drying & Machinery Co. submitted low bid to the city directors Jan. 22 at \$17,500 for one cylindrical, revolving, double-shell and appurtenant apparatus for drying sewage sludge at the Pasadena Sewage Disposal Plant, located near Alhambra. The Hardinge Co. bid \$18,900 with an alternate bid of \$17,985. Both bids were f.o.b. Alhambra. Geo. K. Hooper, city engineer, has left for the east to investigate both types of dryer.

VENTURA, Ventura Co., Calif.—Chester Robbins, Ventura, special engineer appointed by the board of supervisors to design the Ventura Ave. Storm Drain, has been ordered to revise the plans and present new plans to the board for further action. Previous proceedings were abandoned a few weeks ago. The previous estimate was \$180,000.

CONTRACTORS' MACHINE WORKS

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SAN FRANCISCO

BAKERSFIELD, Kern Co., Calif.—Until Feb. 2, 5 P. M., bids will be received by V. Van Riper, city clerk, (600) to construct 6-in., 8-in. and 15-in. vitrified sanitary sewers, together with manholes, lampholes and wye branches in Sewer Dist. No. 600. 1911 Act. Cert. check 10% payable to city required with bid. Plans on file in office of clerk. W. D. Clarke, city manager.

HAWTHORNE, Nev.—See "Government Work and Supplies," this issue. Bids wanted by Bureau of Yards and Docks, Navy Department, for work in connection with Naval Ammunition Plant at Hawthorne, Nevada.

REDWOOD CITY, San Mateo Co., Cal.—County supervisors declare intention (18) to construct sanitary sewer system in Atherton section, consisting of part vitrified clay pipe with wye branches, part hydraulic cement concrete pipe with branches and part c. i. pipe, brick manholes with c. i. frames and covers. Work under the County Improvement Act of 1921. E. M. Kneese, county clerk. George A. Kneese, county surveyor.

CULVER CITY, Los Angeles Co., Cal.—Until 8 P. M., Feb. 10, bids will be received by the city council to construct temporary pumping and pressure plant, together with laterals therefrom in Municipal Improvement District No. 5. Plans obtainable from the engineers, Koebig & Koebig, Rowan Bldg., Los Angeles. P. H. Jarrett, city clerk.

MISCELLANEOUS CONSTRUCTION

COALINGA, Fresno Co., Cal.—Boiler, Tank and Pipe Co., 75th Ave. and E 10th St., Oakland, at \$1,085 awarded contract by city council to furnish and erect one gas receiver tank, 8 ft. dia. by 40-ft. long with standard dished heads 3/4-in. thick, shell 1/2-in. thick with all seams double welded, or welded inside and out with 11 by 16 manhole and one head, etc.

WATER WORKS

STOCKTON, San Joaquin Co., Cal.—Kennedy Valve Co., at \$722.80 submitted low bid to city council to furnish and deliver 20 fire hydrants. Other bids, all taken under advisement, were Reservoir Valve Co., \$850, and \$925; Stockton Iron Works, \$1,070 and \$860.

PALO ALTO, Santa Clara Co., Cal.—Bids will be asked shortly by city council to drill well and install pumping plant at Colorado Ave. and Alma St., estimated cost \$13,300. J. F. Byrhee Jr., City Engineer.

MESA, Ariz.—The Board of City Utilities has approved a recommendation of G. I. McFarland, manager, for a new municipal water tank to provide additional storage capacity. The tank will have a capacity of 200,000 gallons and will be 128 ft. in height. The estimated cost is about \$17,000. Funds are available.

DEL MAR, San Diego Co., Cal.—Geo. A. Shepard, 1144 Mun. Ave., Los Angeles, submitted low bid to the Santa Fe Irrigation District at 34c ft. for trenching, installing pipe and backfilling for 9300 lin. ft. of 12-in. cast iron pipe, including 1600 ft. of welded pipe. U. S. Cast Iron Pipe Co. was low bidder for furnishing pipe at \$1.39 ft.

Consolidated Steel Corp., Los Angeles, was low bidder for furnishing, installing and backfilling for 12-ga. steel pipe at \$10.470, lump sum.

West Coast Pipe & Steel Co. was low on Toncan iron pipe, furnished and installed, at \$14.903 for double dipped and wrapped. Award will probably be made on c. i. pipe.

GRANTS PASS, Ore.—Engineers Baar & Cunningham, Spaulding Bldg., Portland, retained by city council to survey three streams for possible storage dam sites and pipe lines and to make an inquiry into the possibility of securing an adequate municipal water supply from wells north of the city. Streams to be surveyed are Graves Creek, Evans Creek and Williams Creek.

ALHAMBRA, Los Angeles Co., Cal.—Until 9 A. M., Feb. 11, new bids will be received by the city commission for trenching, laying, backfilling, and resurfacing, for 16,300 ft. of 20-in. cast iron water line for the municipal water system. Plans obtainable from water superintendent, T. B. Downer, City Hall. All bids received Jan. 21 were rejected Jan. 23. Nat. Cast Iron Pipe Co. has the contract to furnish the pipe.

BRAWLEY, Imperial Co., Cal.—The city clerk has been authorized to advertise for bids for 4000 ft. of 4-in. pipe for water main extensions in the Pound Subdivision.

ALHAMBRA, Los Angeles Co., Cal.—Bids are being taken by T. B. Downer, city water superintendent, Room 11, City Hall, for one 20-in. Venturi meter tube and Simplex recorder for the new 20-in. water line for which bids were opened Jan. 21.

LOS ANGELES, Calif.—Until 10 A. M., Jan. 29, bids will be received by D. P. Nicklin, purchasing agent, Los

Angeles water and power bureau, 207 S Broadway, for cast iron water pipe. Adv. 1287. Spec. call for 50,000 ft. of 6-in. centrifugally cast bell and spigot pipe, f.o.b. dept. yard, Vesper and Aetna Sts., Van Nuys.

MODESTO, Stanislaus Co., Cal.—Until February 13, 7:30 P. M., bids will be received by H. E. Gragg, city clerk, to furnish and deliver Class "B" sand cast, Class 150, mono-cast, Class 150 De Lavaud cast iron pipe or equal, as follows:

- (1) 2000 ft. 10-inch bell and spigot end;
- (2) 120 ft. 14-inch bell and spigot end.

Certified check 10% payable to mayor of City required with bid.

HANFORD, Kings Co., Cal.—Until February 10, 8 P. M., bids will be received by D. C. Williams, city clerk, to furnish and install, complete, motor driven deep well pressure pump, together with motor, tank, switchboard and other accessories. Certified check 10% payable to city required with bid. Plans obtainable from city clerk on deposit of \$5, returnable.

PORTLAND, Ore.—Until February 10, 2 P. M., bids will be received by Frank Coffinberry, city purchasing agent, to furnish 100 fire hydrants. Specifications obtainable from above at Room 208, City Hall. Certified check, 10% payable to city required with bid.

PORT TOWNSEND, Wash.—Until February 11, 5 P. M., bids will be received by C. F. Christian, city clerk, to construct "Water Street Improvement," involving 3520 cu. yds. excavation and backfill, 4107 ft. 12-in. cast iron pipe, gate valves, fire hydrants, 600 ft. 2-in. standard galv. iron pipe, 600 ft. 3/4-in. A. lead pipe, 1300 ft. 4-in. vit. city sewer pipe, 75,000 lbs. cast iron fittings, 6300 lbs. lead, 230 lbs. oakum, etc. Plans on file in office of city clerk.

LOS ANGELES, Calif.—Until 10 A. M., Feb. 4, bids will be received by D. P. Nicklin, purchasing agent of the Los Angeles water and power bureau, 207 S Broadway, for 100,000 1/2-in. hydraulic galvanized malleable iron elbows; Adv. 1288.

HAWTHORNE, Nev.—See "Government Work and Supplies," this issue. Bids wanted by Bureau of Yards and Docks, Navy Department, for work in connection with Naval Ammunition Plant at Hawthorne, Nevada.

PLAYGROUNDS & PARKS

BAKERSFIELD, Kern Co., Calif.—Until February 10, 5 P. M., bids will be received by V. Van Riper, city clerk, to construct one cement tennis court and fence at Jastro Park. Cert. check 10% payable to city required with bid. Plans obtainable from clerk.

LINDSAY, Tulare Co., Cal.—Until February 11, 8 P. M., bids will be received by E. V. Bogart, city clerk, to furnish and place trees, shrubs, together with necessary supervision of planting in municipal park at the north city limits. Specifications and further information obtainable from city clerk.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City council sets Feb. 25 as date to vote bonds of \$100,000 to finance purchase and improvement of public park lands.

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SPECIFY -- USE

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STREETS AND HIGHWAYS

SACRAMENTO, Cal.—A. Marquer, 700 40th St., Sacramento, at \$14 sq. ft. submitted low bid to Board of Education to construct cement concrete sidewalks in 34th St. bet. V and W Sts., in vicinity of high school. Other bids: Olmsted & Field, 14.4c sq. ft.; E. L. Clark, 14.5c sq. ft.

OAKLAND, Cal.—Until February 18, 10:30 A. M., bids will be received by Geo. Gross, county clerk, to grade and construct culverts on portion of Skyline Blvd., for a distance of approx. 2 miles. Estimated cost \$50,000. Plans obtainable from County Surveyor Geo. A. Posey.

CALAVERAS COUNTY, Cal.—As previously reported, bids will be received February 19, to surface with untreated crushed gravel or stone, 15.5 miles between Murphy's and Big Trees. Project involves: 15,200 cu. yds. untreated crushed gravel or stone surfacing; 6000 cu. yds. key rock and screenings in stockpiles.

SAN FRANCISCO.—Until February 5, 2 P. M., bids will be received by State Harbor Commission, Ferry Bldg. for paving Pier No. 48. Project involves 172,900 sq. ft. 1½-in. Topeka surface and 64,300 sq. ft. 2-in. Topeka surface and 35,600 sq. ft. 1½-in. Topeka surface on 2-in. binder. Plans obtainable from Frank G. White, chief engineer of commission, Ferry Bldg.

SANTA CLARA, Santa Clara Co., Cal.—Until February 3, 8 P. M., bids will be received by A. J. Cronin, city clerk, under Resolution of Intention No. 17-D, to improve portions of Fremont, Benton, Liberty, Lafayette, Alviso, Lexington and Sherman streets (approximately 50 blocks in all), involving grading; asphalt concrete on quarry waste base; cement concrete curbs, gutters, walks, and driveway approaches; vitrified clay pipe main sanitary sewers; wye branches and laterals. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans obtainable from Geo. Sullivan, city engineer.

PACIFIC GROVE, Monterey Co., Cal.—Until February 6, 7:30 P. M., bids will be received by W. G. Stubbs, city clerk (3127) to improve 19th St. between Lighthouse Ave. and Junipero Ave., involving grading; cement concrete curbs and gutters; asphalt concrete pave., storm drains; vitrified clay sanitary lateral sewers. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans on file in office of clerk.

PACIFIC GROVE, Monterey Co., Cal.—Until February 6, 7:30 P. M., bids will be received by W. G. Stubbs, city clerk (3140) to improve 19th St. between Junipero and Sinex Aves., involving grade; cem. conc. curbs, gutters; 3-in. crushed rock base with 2-in. asph. conc. surface pavement; concrete catchbasin. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans on file in office of clerk.

PALO ALTO, Santa Clara Co., Cal.—Until February 12, 10 A. M., bids will be received by E. C. Hunter, Superintendent of Construction, U. S. Veterans' Hospital, to lay pavement and build concrete curbs and gutters for parking space in rear of Nurses' Quarters at Palo Alto Veterans' Hospital. Plans and additional information obtainable from above office.

BERKELEY, Alameda Co., Cal.—City declares Intention (647) to improve portions of Boynton avenue from

east point 193 ft. east of Arlington Ave., and east and southeast 1027 ft., involving grade; oil macadam pavement; curbs, gutters, walks; vitrified pipe connections and highway guard fence. 1911 Act. Bond Act 1915. Hearing Feb. 11. Florence E. Turner, city clerk.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City council sets Feb. 25 as date to vote bonds of \$20,000 to finance paving of Orange Ave.

SEBASTOPOL, Sonoma Co., Calif.—City council declares Intention (154-A) to improve High St. bet. Calder and Map Sts. and bet. Maple and Palm and bet. Palm and McFarlane Aves., involving grading; 5-in. cement concrete pave.; concrete curbs. 1911 Act. Bond Act 1915. Hearing Feb. 3. F. G. McFarlane, city clerk.

ROSS, Marin Co., Cal.—Until February 13, 5 P. M., bids will be received by C. J. Bradley, town clerk, to widen and improve portions of Poplar Ave., Town of Ross, Units Nos. 1 and 2. Certified check 10% payable to town clerk required with bid. Plans obtainable from C. C. Kennedy, engineer, 74 New Montgomery St., San Francisco. (Bids may be submitted on either unit or both units combined).

FRESNO, Fresno Co., Cal.—Until Feb. 5, 10:30 A. M., bids will be received by H. S. Foster, city clerk, (99-D) to improve Inez St. from Huntington Blvd. to Ventura Ave., involving construction of cement concrete sidewalks and curbs. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. A. M. Jensen, city engineer.

FRESNO, Fresno Co., Cal.—City declares Intention (100-D) to construct 6-in. vitrified clay pipe sewer in alleys in Roedings Addition including 3 concrete manholes; 4-in. on 6-in. wyes. 1911 Act. Bond Act 1915. Hearing Feb. 13. H. S. Foster, city clerk. A. M. Jensen, city engineer.

SOUTH GATE, Los Angeles Co., Cal.—Plans have been filed with the city council to improve Tweedy Road, under A. & I. No. 14. The improvement will cost about \$159,951.99 and the acquisition \$252,000. The improvement will include concrete paving and incidental work, and a lighting system involving Lulu standards. The lighting system will cost about \$77,000. Edward M. Lynch, Central Bldg., Los Angeles, is the engineer.

KERN COUNTY, Cal.—Valley Paving and Const. Co., Visalia, at \$264,655 awarded contract by State Highway Commission to grade and surface with bituminous macadam, 15.5 miles between west boundary and Junction Pumping Station.

IMPERIAL COUNTY, Cal.—Basch Bros. Const. Co., Los Angeles, at \$121-148 awarded contract by State Highway Commission to grade and pave with cement concrete 2.9 miles between Myers creek bridge and 3 miles west of Coyote Wells.

KERN COUNTY, Cal.—V. R. Dennis Const. Co., San Diego, at \$126,455 awarded contract by State Highway Commission to grade and surface with oil treated crushed gravel or stone, 9.7 miles between San Emigdio and Route Four.

ALAMEDA, Alameda Co., Calif.—City council declares Intention (95) to improve Park St. from its north termination at San Antonio Estuary to San Jose Ave., involving widening for 3½-ft. on each side of street; construct concrete gutters, curbs; corr. iron culverts and pave widened area

with asphalt concrete. Acq. and Imp. Act. 1925. Hearing Feb. 18. W. E. Varcoe, city clerk. Burnett Hamilton, city engineer.

LOS GATOS, Santa Clara Co., Cal.—Proceedings will be started at once by city council to widen Elm street at least 20-ft. of its present width.

CALAVERAS CO., Cal.—Until Feb. 19, 2 P. M., bids will be received by State Highway Commission to surface with untreated crushed gravel or stone, 15.5 miles between Murphy's and Big Trees.

See call for bids under official proposal section in this issue.

NEWPORT BEACH, Orange Co., Cal.—City council petitioned to imp. streets in West Newport district, including portions of 46th St., Orange St., Cypress St., etc., involving curbs, 5-in. and 6-in. concrete paving, water mains, etc. Estimated cost \$150,000. R. L. Patterson, city engineer.

SOLANO COUNTY, Calif.—State Highway Commission prepares plans to improve approach to north end of Carquinez bridge, approx. 4,300-feet in length; estimated cost \$8,070 of which \$500 will be furnished by Solano County.

WILLOWS, Glenn Co., Cal.—County supervisors contemplate paving four miles of road in the Fruto district in addition to paving in the vicinity of Artois. Approximately \$20,000 will be available for the work from the gas tax refund.

LAGUNA, Orange Co., Calif.—City Engineer A. J. Stead reports that preliminary and field work has been completed for the improvement of seventeen streets on the Cliffs. Street work contemplated in the next few months amounts to \$225,000, of which two projects, under 1911 act, total 34,000 lin. ft., and two projects under the Mattson Act, total 20,000. The Arch Beach and Laguna Beach sewer project, 90,000 lin. ft. in length, planned for the near future, is estimated at \$400,000.

SAN JOSE, Santa Clara Co., Cal.—City declares Intention (495) to improve 33rd street bet. San Fernando and San Antonio Sts., involving grade; 1½-in. asp. concrete surface on 3-in. asph. conc. base pavement; conc. curbs, gutters, walks; 4-in. vit. san. house lateral sewers. 1911 Act. Bond Act 1915. Hearing Feb. 10. John J. Lynch, city clerk. Wm. Popp, city engineer.

SAN FRANCISCO.—Until February 5, 2:30 P. M., bids will be received by Board of Public Works to improve 21st Ave., between Noriega and Ortega Sts. (where not) involving conc. curbs; 6-in. conc. base pavement with 1½-in. asph. conc. surface. Est. cost \$1200. Certified check 10% payable to Clerk of Bd. of Sups. req. with bid. Plans obtainable from Bureau of Engineering, Third Floor, City Hall.

January 28, 1930
HAWTHORNE, Nev.—See "Government Work and Supplies," this issue. Bids wanted by Bureau of Yards and Docks, Navy Department, for work in connection with Naval Ammunition Plant at Hawthorne, Nevada.

FRESNO, Fresno Co., Cal.—County Surveyor Chris P. Jensen instructed to prepare plans to resurface ("bitumuls") Whites Bridge road from Mendota to Firebaugh and Mount Whitney Ave. from a point near Riverdale to Lanare, involving approximately 15 miles.

STOCKTON, San Joaquin Co., Cal.—Lilly, Willard and Blasotti, Stockton, at \$7,153.75 awarded contract by county supervisors to improve Jack Tone road. Other bids: Pereira and Reed, \$7,421.89; Geo. French, \$7,424; Hubert Sykes, \$8,519.

SAN RAFAEL, Marin Co., Calif.—County supervisors declare intention (4) to improve streets in Cascades Improvement District No. 1, including portions of Cascade Drive, Redwood Ave., Laurel Drive, Hickory Ave., etc., involving grading; pave with Dur-Emulse asphalt; corrugated iron pipe culverts; hyd. cem. conc. drain inlets, catchbasins, etc. Est. cost \$30,000. Work under County Imp. Act 1921. J. B. Platt, engineer, Santa Rosa. Robt. E. Graham, county clerk.

IMPERIAL COUNTY, Calif.—A. M. Penick Co., Los Angeles, at \$264,955, awarded contract by State Highway Commission to grade and pave with Port. cem. conc., 9 miles between El Centro and Holtville. Project involves: 30,000 cu. yds. rdwy. excav. without classification; 44,000 cu. yds. imported borrow; 151,500 sta. yds. overhaul; 2600 cu. yds. struct. excav.; 12,650 sq. yds. subgrade for pave.; 12,600 cu. yds. untreated crushed gravel or stone surfacing; 14,800 cu. yds. sand cushion; 20,200 cu. yds. class A cem. concrete (pave.); 170 cu. yds. class A cement concrete (struct.); 508,200 lbs. bar reinforcing steel (pavement and structures); 10 lin. ft. 8-in., 122 lin. ft. 12-in., 698 lin. ft. 18-in., 396 lin. ft. 24-in. and 24 lin. ft. 42-in. corr. metal pipe; 903 lin. ft. corr. metal pipe clean and relay; 1410 lin. ft. 4-in. drain tile; 150 tons gravel blanket for siphons; 96 lin. ft. solid timber guard rail; 83 cu. yds. removing and disposing of cem. conc. in existing struc.; 52,400 sq. yds. asphaltic membrane; 471 stations finish rdwy.; 29 monuments. State will furnish corr. metal pipe and band couplers for corrugated metal pipe conduits.

RIVERSIDE COUNTY, Cal.—Matthie Bros., Glendale, at \$42,593 awarded contract by State Highway Commission to pave with Port. cem. conc., 0.5 mile at Wineville. Project involves: 1300 cu. yds. rdwy. excavation without classification; 800 cubic yards structure excavation; 11,100 sq. yds. subgrade for pavement; 1850 cu. yds. removing and disposing of existing cem. pave. and detour surf.; 7400 mile yds. haul (existing pavement and detour surfacing); 2300 cu. yds. class A cem. conc. (pave.); 130 cu. yds. class A cem. conc. (struct.); 415 cu. yds. class A cem. conc. (slope paving); 400 cu. yds. class A cem. conc. (curbs, gutters and walls); 101,000 lbs. reinf. steel; 140 lin. ft. 18-in. extra strength reinf. conc. pipe; 603 ft. 8-in. corr. metal pipe; 25 stations finishing roadway; pumping equipment complete in place. State will furnish corr. metal pipe and cast steel frames and covers for drop inlets.

SAN LUIS OBISPO COUNTY, Cal.—Following three low bids rec. Jan. 29 by State Highway Commission to grade and pave with Portland cement concrete 7.2 miles between Santa Maria River and Los Berros Creek: J. F. Knapp, 5301 Horton St., Oakland\$272,648 C. W. Wood, Stockton 258,371 Peninsula Paving Co., S. F. 289,732

LOS ANGELES COUNTY, Cal.—T. M. Morgan Co., Gazelle, Calif., and Los Angeles, at \$272,790 awarded contract by State Highway Commission to grade 1.5-mi. bet. 1½-mi. and 4-mi. north from La Canada. Project involves: 78 stations clearing and grubbing right-of-way; 469,000 cu. yds. rdwy. excavation without classification; 3,000,000 sta. yds. overhaul; 5220 cu. yds. structure excavation; 950 cu.

yds. class A cem. conc. (structures); 15 cu. yds. class E cem. conc. (structures); 175 cu. yds. class F cem. conc. (structures); 170,000 lbs. bar reinf. steel (structures); 1700 lin. ft. 24-in. and 360 lin. ft. 36-in. corr. metal pipe; 1430 6-in. and 2680 10-in. reinf. conc. headers (cribbing); 2110 6-in. and 2740 8-in. reinf. conc. stretchers (cribbing); 2050 10-in. reinf. concrete stretchers (cribbing); 440 conc. filler blocks (cribbing); 78 stations finish rdwy.; 90 monuments. State will furnish corr. metal pipe.

SANTA BARBARA, Cal.—Until February 6, 1:30 P. M., bids will be received by S. B. Taggart, city clerk, to improve Los Olivos St., Pueblo St., Anacapa St. and Santa Barbara St. by grading, constructing asphaltic concrete pavement, combined cement concrete curb and gutter, cement concrete curb, cement concrete driveways, cement concrete alley entrances, cement concrete curtain wall, cement concrete sidewalk, vitrified clay pipe house connection sewers, vitrified clay pipe sanitary sewer and manholes; under 1911 Act. Certified check 10% required with bid. Plans on file in office of city clerk.

SANTA BARBARA COUNTY, Cal.—Following three low bids rec. Jan. 29 by State Highway Commission to grade and pave with Portland cement concrete 4.0 miles between Zaca and Wigmore: Cornwall Constr. Co., Santa

Barbara\$153,239 J. F. Knapp, Oakland 164,154 C. M. Morgan Paving Co., L. A. 164,154

PALO ALTO, Santa Clara Co., Cal.—City council will start proceedings to pave approximately 4 miles of streets during current year of which the city will pay \$26,600, the balance by property owners. Streets to be improved, according to City Engineer J. F. Byxbee Jr., include: Palo Alto Ave. from Middlefield Rd. to Pope St.; Hale St. from Palo Alto Ave. to University Ave.; Dana St. and Forest Ave. in the Duffield subdivision; Addison Ave. from Channing Ave. to Pile Ave.; Channing Ave. from Melville Ave. to Nevell Rd.; Melville Ave. from Channing Ave. to Middlefield Rd.; Hopkins Ave. from Harriet Ave. to Middlefield Rd.; Alley in block B (Addison and Lincoln, High and Emerson Sts.); Embarcadero Rd. from Alma St. to El Camino Real (Greer side); Santa Rita Ave. from Waverly St. to Cowper St.; Wellesley St. from Cambridge Ave. to California Ave.; Princeton St. from Stanford Ave. to California Ave.; Harvard St. from Stanford Ave. to California Ave.; Amherst St. from Stanford Ave. to California Ave.; Cornwall St. from Amherst St. to Cornell St.

The streets ordered paved by the board against the vote of the majority of frontage are: Webster St. from Melville Ave. to Embarcadero Rd.; Pope St. from Palo Alto Ave. to Hamilton Ave.; Harker Ave. from Melville Ave. to Newell Rd.

Following are, the streets for whose improvement the city would share the expense:

Hopkins Ave. from Harriet Ave. to Middlefield Rd., \$6000.
Channing Ave. from Melville Ave. to Newell Rd., \$2300.
Palo Alto Ave. from Middlefield Rd. to Pope St., \$12,800.
Kingsley Ave. and Alma St. in front of city-owned triangle, \$2300.
Embarcadero Rd. from High St. to Alma St., \$3200.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M., on February 19, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Humboldt County, an undergrade crossing under the tracks of the Northwestern Pacific Railroad at Lololeta (1-Hum-1-G), consisting of a 60-foot deck plate girder span on concrete piers with pile foundations.

Calaveras County, between Murphy's and Big Trees (X-Cal-24-E), about fifteen and five-tenths (15.5) miles in length, to be surfaced with untreated crushed gravel or stone.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

Dated January 22, 1930.

NOTICE TO CONTRACTORS

General Work

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, February 25, 1930, said bids thereafter on said day to be publicly opened and read, for

the erection and completion of the General Work for the Live Stock Unit, State Agricultural Park, Sacramento, California, in accordance with plans and specifications therefor.

The building is a one-story steel frame structure with brick and concrete walls, concrete floor, and tile and composition roof.

The floor area is approximately 65,600 square feet.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications and proposal forms may be secured by licensed Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE
GEO. B. McDOUGALL, State Architect.
B. B. MEEK, Director of Public Works.

NOTICE TO CONTRACTORS

Mechanical Work

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, February 25, 1930, said bids thereafter on said day to be publicly opened and read, for the installation and completion of the Mechanical Work for the Live Stock Unit, State Agricultural Park, Sacramento, California, in accordance with plans and specifications therefor.

Mechanical Work includes Plumbing and Electrical Work. Separate bids will be received for "Electrical Work" and for "Plumbing Work." Combined bids will also be received covering the two branches of the work.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal

California Cities Builders' Exchange Offices.

Plans, specifications and proposal forms may be secured by licensed Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE
GEO. B. McDOUGALL, State Architect.
B. B. MEEK, Director of Public Works.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS
NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on February 13, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefore, to which special reference is made, of portions of State Highway, as follows:

Siskiyou County, a reinforced concrete bridge at Station 296+75.25, about 5 1/2 miles north of Yreka (H-Sis-3-C), consisting of one 200-foot open spandrel arch span and three 40-foot girder approach spans.

Los Angeles County, between Casta School and Canton Creek (VII-L.A.-4-G), about seven and one-tenth (7.1) miles in length, to be graded. Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the

office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS,
C. H. PURCELL,
State Highway Engineer.
Dated January 15, 1930.

OREGON FORESTER WILL HEAD TIMBER SURVEY

C. M. Granger, district forester for Oregon and Washington since 1924, has been promoted to head a nationwide survey which will have for its object the determination of the exact amount of standing timber in the United States and its annual rate of depletion.

The survey will be started within the next few weeks and the first territory to be checked will be Washington and Oregon. It will be extended to California, the Lakes region and the lower Mississippi by July 1st.

The survey will concern itself with all of the timber in the country, including that privately owned as well as in the national forests.

EARNINGS OF PACIFIC CLAY PRODUCTS ARE UP

Earnings of the Pacific Clay Products for the full year of 1929 are conservatively estimated at \$3.90 a share on the 99,157 shares outstanding, as compared with \$3.78 a share earned on 98,860 shares in 1928, according to word from Los Angeles.

While gross earnings for the last six months of 1929 probably will not exceed the corresponding period of 1928, a higher margin of profit was realized during the past year, bringing the earnings for the final period above the level of the last six months of 1928.

During the first half of 1929 the company showed earnings of \$205,133, as compared with \$191,276 for the similar period of 1928, and \$183,055 for the last half of 1928.

\$10,000,000 BONDS FOR POWER DEVELOPMENT

The Seattle city council, by unanimous vote, has passed a bill specifying and adopting a plan or system of additions and betterments to and extension of the municipal light and power plant and system, and authorizing the issuance of \$10,000,000 bonds to defray the cost of such extension.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

80	Gilmore	Cahill	20,000
81	Reimann	Owner	7000
82	Piovario	Johnson	3425
83	Anderson	Owner	3500
84	Christensen	Owner	4000
85	Stenmann	Owner	2300
86	Todhunter	Owner	1038
87	Martin	Meyers	1000
88	Risdon	Owner	6000
89	Bianchini	Franceschi	5000
90	Gibbs	Kinsman	155000
91	Goldberg	Owner	1000
92	Grandfield's	Cone	12400
93	Hansberg	Owner	2500
94	Harris	Owner	100000
95	Kock	Owner	4000
96	Struthers	Conway	7000
97	Arnold	Arnold	3400
98	Christian	Owner	1000
99	Eisenberg	Barrett	3500
100	Foster	Dependable	5900
101	Halsen	Owner	5000
102	Ham	Owner	60000
103	Syman	Kerr	1000
104	Wisendunk	Owner	4000
105	Carraro	Owner	3500
106	Clough	Owner	3000
107	Grahn	Owner	4000
108	Lakin	Ludwig	2000
109	Pacific	Owner	1000
110	Standard	Owner	4000
111	St. Mary's	Johnson	5000

OFFICE & WAREHOUSE

(80) NE COR. THIRD and 18th Sts.; one-story and basement reinforced concrete and frame office building and warehouse, garage, etc.
Owner—Gilmore Oil Co., Los Angeles.
Architect—Stanton, Reed & Hibbard, Metropolitan Bldg., Los Angeles.
Contractor—Cahill Bros., 206 Sansome Street. \$20,000

FLATS

(81) E PIERCE ST. bet. Beach and Capra Way; two-story and basement frame (2) flats.
Owner—N. Reimann, 281 Mallorca Way
Plans by Owner. \$7000

DWELLING

(82) E MISSISSIPPI 175 N 22nd St.; one-story and basement frame dwelling.
Owner—M. Piovario, 632 Mississippi.
Contractor—A. Johnson, 133 Harvard Street. \$3425

DWELLING

(82) N NORIEGA 82 E 19th Ave.; 1-story and basement frame dwelling.
Owner—C. Anderson, 146 Granville Way.
Architect—None. \$3500

DWELLINGS

(84) W 13th AVE. 150 N Lawton; two 1-story and basement frame dwellings.
Owner—H. Christensen, 1422 27th Ave.
Architect—None. \$4000

DWELLING

(85) NE POPE 118 SW Mission St.; one-story and basement frame dwelling.
Owner—F. Stenmann, 262 London.
Architect—None. \$2800

ALTERATIONS

(86) 2424 LARKIN ST.; alterations to dwelling.

Owner—F. A. Todhunter, Palo Alto.
Architect—None.
Contractor—G. C. Todhunter, 1038 Ashbury St. \$1038

ALTERATIONS

(87) 1718 GREENWICH ST.; alterations for grocery store.
Owner—C. Martin, DeYoung Bldg.
Architect—None.
Contractor—Meyers Mfg. Co., 186 Clara St. \$1000

DWELLING

(88) E LYON 75 S Chestnut; two-story and basement frame dwelling.
Owner—Risdon Bros., 2170 Beach St.
Plans by Owners. \$6000

DWELLING

(89) E MALLORCA WAY 100 South Beach; one-story and basement frame dwelling.
Owner—L. N. Bianchini, 89 Servantes.
Architect—Irvine & Ebbets, 74 New Montgomery St.
Contractor—L. Franceschi, 125 Cervantes. \$5000

APARTMENTS

(90) S ELLIS 87 W Larkin; six-story and basement class C (53) apts.
Owner—G. Gibbs, 1706 Geary St.
Architect—H. C. Baumann, 251 Kearny Street.
Contractor—J. S. Kincanan, 1706 Geary St. \$155,000

ALTERATIONS

(91) SE BUSH & TAYLOR STS.; alterations to apartments.
Owner—G. Goldberg (lessee), 887 Bush Street.
Architect—None. \$1000

SERVICE STATION

(92) SE COR SEVENTH AVE AND Irving St.; one-story concrete super-service station and alterations to remove present steel station.
Owner—Grandfield's, Inc., 12th and Howard St.
Architect—Blaine & Olsen 1755 Broadway, Oakland.
Contractor—W. C. Cone, 826 Crocker Building. \$12,400

DWELLING

(93) E RUTLAND 150 N Wilde Ave.; one-story and basement frame dwelling.
Owner—W. Hansberg, 130 Wilde Ave.
Plans by Owner. \$2500

APARTMENTS

(94) SW HAYES & PIERCE STS.; six-story and basement class C (36) apts.

Capital City Title
Company

J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

Owner—P. Harris, 15 Balceta St.
Architect—None. \$100,000

DWELLING

(95) W VIENNA 100 N Italy; one-story and basement frame dwelling.
Owner—W. R. Koch, 599 Chenery St.
Architect—None. \$4000

DWELLINGS

(96) NW NAPLES 175 SE Italy; two 1-story & basement frame dwellings.
Owner—M. T. Struthers, 2849 Fillmore Street.
Architect—None.
Contractor—G. J. Conway, 2733 Mission St. each \$3500

DWELLING

(97) E VERMONT 85 N 20th St.; 1-story and basement frame dwelling.
Owner—Margaret Arnold, 790 Vermont St.
Architect—None.
Contractor—F. A. Arnold, 2200 20th Street. \$3400

RETAINING WALLS

(98) E 19th AVE. bet. Sloat Blvd. and Wawona; retaining walls.
Owner—Christian Science Benevolent Assn.
Architect—None. \$1000

ALTERATIONS

(99) NW COR. GEARY & GOUGH; renew front of apartments.
Owner—M. Eisenberg, Mark Hopkins Hotel.
Architect—None.
Contractor—Barrett & Hilp, 918 Harrison St. \$1500

ALTERATIONS

(100) SW VINCENTE and West Portal; alterations for food market.
Owner—J. E. Foster, 463 Bush St.
Architect—None.
Contractor—Dependable Mfg. Co., 62 Oak St. \$5900

DWELLINGS

(101) W 13th AVE. 100 S Santiago; two 1-story and basement frame dwellings.
Owner—A. Halsen, 2427 25th Ave.
Plans by D. E. Jaekle, 74 New Montgomery St. \$5000

APARTMENTS

(102) NW 25th AVE. & LAKE ST.; six-story and basement class C (12) apts.
Owner and Builder—L. B. Ham, 105 Montgomery St.
Architect—E. M. Sharpe, 105 Montgomery St. \$60,000

ALTERATIONS

(103) 124 GEARY ST.; alterations to store front.
Owner—Ester Syman, St. Francis Hotel.
Architect—None.
Contractor—Kerr & McLean, 666 Mission St. \$1000

DWELLING

(104) E ALEMANY 132 N Tingley; 1-story and basement frame dwelling.
Owner—A. A. Wesendunk, Junior, 1625 San Jose Ave.
Architect—None. \$4000

DWELLING
(105) W SOMERSET 50 N Sillman;
one-story and basement frame
dwelling.
Owner—J. Carraro, 750 Felton.
Architect—None. \$3500

ALTERATIONS & ADDITIONS
(106) 651 POLSOM ST.; alterations
and frame additions to offices.
Owner—G. A. Clough.
Engineer and Builder—J. H. Hjul, 128
Russ St. \$3000

DWELLINGS
(107) E PENINSULA 155 S Lathrop;
three 1-story and basement frame
dwellings.
Owner & Builder—W. H. Grahm, 2965
Mission St.
Architect—None. \$4000

ALTERATIONS
(108) 766 CAPP ST.; alterations to
dwelling for (2) flats.
Owner—S. S. Lakin.
Architect and Builder—J. C. Ludwig.
\$2000

ALTERATIONS
(109) E DONNER 300 N Jennings;
alterations to yard and shop.
Owner—Pacific Elec. Mfg. Corp., 5815
Third St.
Plans by Owner. \$1000

DWELLING
(110) W FUNSTON AVE. 165 N UI-
loa; one-story and basement frame
dwelling.
Owner—Standard Bldg. Co., 218 Cas-
tadena.
Architect—None. \$4000

DWELLING
(111) W AGNON 102 S Crescent; one-
story and basement frame dwell-
ing.
Owner—St. Mary's Park, 3901 Mission
Street.
Plans by D. E. Jaekle, 744 Call Bldg.
Contractor—A. R. Johnson, 3901 Mis-
sion St. \$5000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

29 Shell	Mohr	29786
30 Schwartz	Dyers	12550
31 Sommer	Barnes	2056

GARAGE
(23) NW COR. SAN BRUNO AND
Sunnyvale Aves., 75x100, bldg. 36x
100; general construction on con-
crete garage.
Owner—A. I. O'Brien.
Plans by H. W. Bott.
Contractor—Siri & Bott.
Filed Jan. 22, '30. Dated Jan. 14, '30.
Forms in place.....\$2350
Roof on.....2350
Completed.....2350
Usual 35 days.....2350
TOTAL COST, \$9400
Forfeit, \$10 per day. Limit, 120 days.

PAINTING
(23) N BUSH ST. and W Battery
St. N 137-6 W 137-6 S 57-6 E 20-
S 80 E 117-6; interior and exter-
ior painting.
Owner—Shell Oil Co.
Architect—G. W. Kelham, 315 Mont-
gomery St.
Contractor—J. A. Mohr & Son, Inc.,
433 11th St.
Filed Jan. 23, '30. Dated Dec. 16, '29.
Tenth of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$27,786
Sureties, N. Y. Indem-
nity Co. Limit, April 15, 1930. Plans
and Spec. filed.

STRUCTURAL STEEL
(30) SW FRANKLIN & BUSH Sts.
120 NW Fern Ave. x W 144-9;
structural steel, etc., for steel
frame building.

Owner—Ray Schwartz.
Architect—Mel I. Schwartz, 308 Kear-
ny St.
Contractor—Dyer Bros. Golden West
Iron Works, 17th and Kansas Sts.
Filed Jan. 25, '30. Dated Jan. 22, '30.
Monthly payments of.....75%
Usual 35 days.....25%
TOTAL COST, \$12,650
Forfeit, \$20 per day. Limit, 50 days.

SLATE FLOOR
(31) S ELLIS 163-1 E Powell E 113
W 128-5 1/2 S 92-6 SW 61-6% NE
250-9 NW 108 N 40-9%; slate floor
for building.
Owner—Sommer and Kaufmann, Inc.
Architects—A. F. Roller & K. Weber,
Inc., Crocker 1st National Bank
Bldg.
Contractor—W. A. Barnes as Barnes
Corning Co., Mills Bldg.
Filed Jan. 29, '30. Dated Jan. 28, '30.
10th of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$2056
Bond, \$1028. Sureties, Fidelity & De-
posit Co. Limit, Feb. 12, 1930. Plans
and Spec. filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded	Accepted
Jan. 23, 1930—N LOMBARD 133-1 1/2 W Leavenworth W 34-4 1/2 x N 137-6. Rowena Meeks Abdy to Samuel Barman.....January 27, 1929	
Jan. 23, 1930—LOT 33 BLK 6965-A Map Sub No. 1, Geneva Terraces. California Pacific Title & Trust Co to whom it may concern.....January 20, 1930	
Jan. 23, 1930—N LOMBARD 133-1 1/2 W Leavenworth W 34-4 1/2 x N 137-6. Rowena Meeks Abdy to Samuel Barman.....January 21, 1930	
Jan. 22, 1930—W MUNICH 450 S Russia Ave, 25x100, Joe Perasso.....January 23, 1930	
Jan. 23, 1930—E VICTORIA 120 S Randolph N 25 x E 100 lot 11 blk 42 City Land Assn known as 226 Victoria St. R N Gibson to whom it may concern.....Jan. 23, 1930	
Jan. 21, 1930—NE CONCORD 75 NW Brunswick NW 25 x NE 120. Vic- tor Workman to whom it may concern.....January 20, 1930	
Jan. 21, 1930—S FULTON 106-3 W Masonic Ave W 50x100; parl to W Masonic Ave. A H Kinsey and N H Johnston to G Y Morton Co. December —, 1929	
Jan. 27, 1930—NW PARIS 100 and 125 SW Italy Ave SW 25 x NW 100 ptn Excelsior Hd Blk 8, Shafter Realty Co Ltd to J G Lehman (two completions).....January 27, 1930	
Jan. 27, 1930—N CALIFORNIA 52-3 E Fillmore E 52 x N 82-7 1/2. Phil Harris to whom it may concern.....January 27, 1930	
Jan. 27, 1930—W BOCAINA 128-4 S Eugenia Ave S 51-4 x W 70 lots 326 and 327 Cobb Tract. Philip Stalipp to whom it may con- cern.....January 23, 1930	
Jan. 25, 1930—PTN LOTS 29 and 30 and 30 and 31 Blk 3054, Westwood Highlands; ptn lots 31, 33 and 34 all lot 32 blk 3054 Westwood High- lands. Henry and Hazel Stone- son to whom it may concern.....January 20, 1930	
Jan. 25, 1930—E PENINSULA 450 93 S Lathrop Ave S 624 E 100. Wm H Grahm to whom it may concern.....January 15, 1930	
Jan. 25, 1930—E 35th Ave 87-6 N Judah 25x120. P S Miller to whom it may concern.....January 24, 1930	
Jan. 25, 1930—E LOTS 47, 48, 49 and 50 and 51 Blk 6965A, Map Subdiv No 1, Geneva Terraces, California Pacific Title & Trust Co to whom it may concern.....January 23, 1930	
Jan. 24, 1930—SE LEAVENWORTH and Post extending th E alg S Post 137-6 S 137-6 W 137-6 to E	

Leavenworth N 137-6 to beg, ptn
blk 252 of 50 Vara survey. The
Schmiedel Estate to D J and T
Sullivan.....January 24, 1930

Jan. 24, 1930—E 25th AVE 125 N
Lawton N 25 x E 120. S B Goss
to whom it may concern.....January 22, 1930

Jan. 27, 1930—NE 18th AVE and Or-
tega N 25 x E 82-6, 1894 18th Ave.
Gustaf H Rohto to whom it
may concern.....January 25, 1930

Jan. 27, 1930—LOT 13 BLK 12, St
Francis Wood Extn No 1, all ptn
of lots drawn parl to Taylor line
said lot 12 and dist therefrom 13
measured in S direction alg E bdy
line said lot 12 from inter with N
bdy line thereof. Walter A and
Jeannette E Dold to whom it may
concern.....January 24, 1930

Jan. 27, 1930—SW 30th AVE AND
Kirkham 25x82-6. Gordon Leask
to whom it may concern.....January 23, 1930

LIENS FILED

SAN FRANCISCO COUNTY

Recorded	Amount
Jan. 27, 1930—NE WALLACE Ave and SE Keith St 150 x NE 100 Lots 8 and 9 Assessors Blk 4829. Louis J Gallagher vs F C Amoroso\$1100	
Jan. 24, 1930—S HAIGHT W Scott W 25 x S 127-6. A MacKillop as MacKillop Hardware Co vs Ar- thur and Johanna Warneke, J Spencer and A B Lift as Spencer & Lift\$143.61	
Jan. 24, 1930—E 42nd AVE 300 N Kirkham N 25 x E 120. E 42nd Ave 325 N Kirkham N 25 x E 120. G Fazio vs DeWitt T Marshall.....\$400	
Jan. 23, 1930—NW GRAND VIEW Ave 175-3 1/2 SW Morgan Alley SW 24-104 W 165 NE 25-3 SE 161-6 1/4 J H McCallum vs J B Hensel and Jane Doe Hensel.....\$148.46	
Jan. 22, 1930—282 O'FARRELL ST. John H Merz vs F Rizza and A R Rudden and Anglo-California Trust Company.....\$286.75	
Jan. 21, 1930—E WISCONSIN ST S 19th St E 100 x S 175. A G Ralsch vs G Vartasso.....\$1667.50	

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded	Amount
Jan. 23, 1930—E 31st AVE 275 N Santiago St N 50 x E 120. Cali- fornia Const Co to O H Berge.....	

BUILDING PERMITS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
65	Nusum	Tranmal	5250
66	Bethel Tabernacle	Branagh	3000
67	Western	Rainey	3000
68	Bostick	Peters	7500
69	Pope	Owner	1000
70	Jackson	Owner	5800
71	Makela	Owner	2100
72	Swansick	Owner	6000
73	Bowling	Owner	7000
74	Hansen	Owner	6000
75	Griffith	Owner	3800
76	Jorgensen	Larsen	17500
77	Martin	Reid	2450
78	Oakland	Johnson	1000
79	Zion	Mogk	2000
80	Cash	Taylor	4150
81	Heburn	Warn	2000
82	Matheyer	Matheyer	8000
83	Red-E-Distr	Owner	5000
84	Short	Owner	16000

RESIDENCE

(65) NO. 904 REGAL ROAD, Ber-
keley. One-story 4-room 1-family
frame residence.

Owner—B. Nusum, 5442 Grove St., Oakland.
 Architect—W. D. Wurster, Hearst Ave., Berkeley.
 Contractor—Enoch Trnmal, 483 Crescent St., Oakland. \$5250

ADDITION
 (66) 1421 25th AVE., Oakland; addition.
 Owner—Bethel Tabernacle, 1421 25th Ave., Oakland.
 Architect—None.
 Contractor—J. E. Branagh, 184 Perry St., Oakland. \$3000

REPAIRS
 (67) 2122 LAKESHORE AVE., Oakland; fire repairs.
 Owner—Western Furnace Co.
 Architect—None.
 Contractor—W. A. Rainey. \$2000

DWELLING
 (68) 3444 JOAQUIN MILLER RD., Oakland; one-story 6-room dwelling.
 Owner—James N. Bostick, 20 Humphrey Place, Oakland.
 Architect—G. S. Michener, 2545 Benvenue Ave., Berkeley.
 Contractor—Peters & Booth, 2545 Benvenue Ave., Berkeley. \$7500

ALTERATIONS
 (69) 516-8 HADDON RD., Oakland; alterations and repairs.
 Owner and Builder—A. D. Pope, 2536 Virginia St., Berkeley.
 Architect—None. \$1000

DWELLING
 (70) N BROOKWOOD ROAD 200 W Trestle Glen, Oakland; one-story 6-room dwelling.
 Owner and Builder—Fred J. Jackson, 5937 Shafter Ave., Oakland.
 Architect—Williams and Westall, 374 17th St., Oakland. \$5800

RESIDENCE
 (71) 2441 SPAULDING AVE., Berkeley; one-story 5-room 1-family frame residence.
 Owner—Otto Makela, 2021 10th St., Berkeley.
 Architect—None. \$2100

DWELLING
 (72) SW COR. REDDING ST. and Redding Place, Oakland; 2-story 8-room dwelling.
 Owner and Builder—Fred P. Swansick, 3615 Hopkins St., Oakland.
 Plans by Mr. Price. \$6000

DWELLINGS
 (73) 1905-09 LAFAYETTE ST., Alameda; two 1-story 5-room stucco dwellings.
 Owner and Builder—J. H. Dowling, 1229 Holman Road, Oakland.
 Architect—None. each \$3500

DWELLING
 (74) 2853 SANTA CLARA AVE., Alameda; one-story 6-room frame and stucco dwelling.
 Owner and Builder—C. Hansen, 749 Haight Ave., Alameda.
 Architect—None. \$6000

DWELLING
 (75) W 105th AVE. 40 N Birch St., Oakland; one-story 5-room dwelling.
 Owner and Builder—C. W. Griffith, 1427 87th Ave., Oakland.
 Architect—None. \$3800

WAREHOUSE
 (76) S THIRD ST. 75 E Clay St., Oakland; one-story brick warehouse.
 Owner—E. M. Jorgensen Co., Third & Clay Sts., Oakland.
 Architect—None.
 Contractor—Larsen & Larsen, 1027 Russ Bldg., San Francisco. \$17,500

SERVICE STATION
 (77) E DIMOND AVE. 100 S Hopkins St., Oakland; one-story tile service station.
 Owner—C. Martin, 2369 Fruitvale Ave., Oakland.
 Architect—None.
 Contractor—F. A. Reid, 2901 Carmel St., Oakland. \$2450

ALTERATIONS
 (78) SW COR. TENTH & Harrison Sts., Oakland; alterations.
 Owner—Oakland National Engraving Company.
 Architect—None.
 Contractor—S. G. Johnson, 4652 Dolores Ave., Oakland. \$1000

CHURCH
 (79) SW COR. TWELFTH & Myrtle Sts., Oakland; one-story church.
 Owner—Zion Lutheran Church, 12th and Myrtle Sts., Oakland.
 Architect—Ward & Blohme, 310 Sansome St., San Francisco.
 Contractor—J. H. Mogk, 1479 78th Ave., Oakland. \$20,000

RESIDENCE
 (80) NO. 1626 DERBY ST., Berkeley. Two-story 6-room 1-family frame residence.
 Owner—Amanda and W. Cash, 1129 28th St., Oakland.
 Architect—Cleveland Publishers.
 Contractor—R. C. Taylor & Co., 3527 Peralta St., Oakland. \$4150

ALTERATIONS
 (81) 953 53rd ST., Oakland; alterations.
 Owner—M. Heburn, 953 53rd St., Oakland.
 Architect—None.
 Contractor—Warn Bros., 419 E Merle Court, San Leandro. \$2000

DWELLINGS
 (82) W 75th AVE. 125 and 160 North Foothill Blvd. Oakland; two 1-story 6-room dwellings.
 Owner—Jennie Matheyer, 3178 Birdsall Ave., Oakland.
 Architect—None.
 Contractor—L. B. Matheyer Co., 3178 Birdsall Ave., Oakland. each \$4000

OFFICES
 (83) 1101 75th AVE., Oakland; two-story 9-room office building.
 Owner and Builder—Red-E-Distributors, 801 22nd St., Oakland.
 Architect—None. \$5000

DWELLINGS
 (84) W CARLSTON AVE. 600 and 665 S Mandana Blvd., Oakland; two 2-story 8-room dwellings.
 Owner and Builder—C. W. Short, 574 Rosal Ave., Oakland.
 Architect—None. each \$8000

BUILDING CONTRACTS

ALAMEDA COUNTY

15 Hill	Mabrey	550000
16 Barnhart	Lincoln	2600
17 Zion	Mogk	16993
18 International	Lannom	20232
19 Same	Malott	28685
20 Same	Malott	9161

APARTMENT-HOTEL
 (15) W JACKSON ST. 160 ft N of 14th St., Oakland; general construction on 10-story steel frame apartment-hotel building.
 Owners—Henry G. and Ida E. Hill, 77 Glen Ave., Oakland.
 Architect—Miller & Warnecke, 405 14th St., Oakland.
 Contractor—Chas. S. Mabrey, 730 1st National Bldg., Oakland.
 Filed Jan. 23, 1930. Dated Dec. 11, 1929
 Monthly payments of 90%
 60 days after completion Balance
 TOTAL COST, \$525,000
 Bond, \$300,000. Sureties, Globe Indemnity Co., Great American Indemnity Co. Forfeit, \$100 per day. Limit 210 days. Plans and Spec. filed.

HOUSE
 (16) E 80 FT. LOT Y, BLK D, Mulford Gardens Unit N 1, Eden Twp.; general construction on one-story cement furnished house.
 Owner—G. C. Barnhart, 4662 E 14th St., Oakland.
 Architect—None.
 Contractor—Arthur G. Lincoln.
 Filed Jan. 25, '30. Dated Jan. 15, '30.
 When frame is completed \$ 550
 First coat of plaster 550
 When accepted 550
 Usual 35 days 950
 TOTAL COST, \$2850
 Limit, 90 days.

CHURCH
 (17) SW TWELFTH & MYRTLE Sts., Oakland; general construction on frame church building.
 Owner—Zion Evangelical Lutheran Church of Oakland, 12th & Myrtle St., Oakland.
 Architect—Ward & Blohme, 310 Sansome St., San Francisco.
 Contractor—J. H. Mogk, 1479 78th Ave., Oakland.
 Filed Jan. 28, 1930. Dated Jan. 25, 1930
 1st of each month 75%
 36 days after completion Balance
 TOTAL COST, \$16,993
 Bond, \$4500. Sureties, G. H. Macdonald and J. R. Reinike. Limit, June 1, 1930. Plans and Spec. filed.

WOOD FINISH
 (18) NW PIEDMONT AVE. and Bancroft Way, Berkeley; furnish and deliver all special interior wood finish for fraternity house.
 Owner—International House (a corp.)
 Architect—G. W. Kelham, 315 Montgomery St., San Francisco.
 Contractor—Lannom Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.
 Filed Jan. 27, '30. Dated Dec. 31, '29.
 Tenth of each month 75%
 Usual 35 days Balance
 TOTAL COST, \$20,232
 Bond, \$10,115. Sureties, Pacific Indemnity Co. Limit, April 30, 1930. Plans and Spec. filed.

(19) FLOOR AND WALL TILE on above.
 Contractor—Malott and Peterson, 354 Hobart St., Oakland.
 Filed Jan. 28, '30. Dated Jan. 11, '30.
 Payments not given.
 TOTAL COST, \$23,685
 Bond, \$14,342.50. Sureties, Pacific Indemnity Company.

Member Insurance Brokers' Exchange

FRED H. BOGGS
 INSURANCE
 490 GEARY STREET

Phone FRanklin 9400

San Francisco

(20) SPECIAL DECORATIVE TILE
on above.Contractor—Malott and Peterson, 354
Hobart St., Oakland.Filed Jan. 23, '30. Dated Jan. 11, '30.
Payments not given.TOTAL COST, \$9161
Bond, \$4580. Sureties, Pacific Indem-
nity Co.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Amount
Jan. 22, 1930—LOT 11 BLK 6, map
of Blks 5 and 6, Piedmont Terrace
Piedmont. Ethel W Munr to whom
it may concern.....January 20, 1930
Jan. 22, 1930—1726 VIRGINIA ST,
Berkeley. P A Lux to Self.....
.....January 22, 1930
Jan. 22, 1930—3321 KANSAS Street,
Oakland. Fred T Dooley to whom
it may concern.....January 22, 1930
Jan. 23, 1930—MOUNTAIN VIEW
Cemetery, Oakland and Mountain
View Cemetery Assn to George J
Maurer.....January 13, 1930
Jan. 23, 1930—S SIDE EAST 14th
St bet 88th and 89th Aves, Oak-
land. S A Mundell to Sullivan &
Sullivan.....January 23, 1930
Jan. 22, 1930—LOT 106, St James
Wood, Piedmont. Chas E Bar-
dwell, Jr to whom it may concern.....
.....January 22, 1930
Jan. 21, 1930—PTN LOTS 15 and 16
Blk 4, Central Piedmont Twp,
Piedmont. A A Thiel to Oscar So-
der.....January 21, 1930
Jan. 22, 1930—4008 QUIGLEY Street
Oakland. Oscar Gretler to Home
Modernizing Corp.....Jan. 15, 1930
Jan. 22, 1930—1509 MINTURN ST,
Alameda. Delle Albert to Everet
Albert.....January 2, 1930
Jan. 22, 1930—1509 MINTURN ST,
Oakland. Leonard M Fatt-
erson to Geo N Easterly.....
.....January 28, 1930
Jan. 27, 1930—LOT 1 BLK 2, Solano
Ave Terrace, Berkeley. Frances
M Lindamood to G A Pearson.....
.....January 27, 1930
Jan. 27, 1930—NE SHATTUCK AVE
and Delaware St, Berkeley. Rich-
field Oil Co of Calif to Alfred Ol-
son.....
Jan. 27, 1930—5943 ALLSTON ST, E.
Oakland. A F Louis, K Breiling
to J M Pitts.....January 18, 1930
Jan. 27, 1930—1339 98th Ave, Oak-
land. J S Rose to John H Pick-
rell.....January 25, 1930
Jan. 25, 1930—LOT 30 BLK J, Du-
rant Manor, Oakland. Alice S Ny-
lander to Self.....January 25, 1930
Jan. 25, 1930—SW FOURTH and
Jackson Sts, Oakland. Safeway
Stores, Inc to Automatic Sprink-
ler Corp of America.....Jan. 21, 1930
Jan. 25, 1930—PTN LOTS 11 and 12
Blk 27, Warner Tract, Oakland.
August Roseberg to whom it may
concern.....January 25, 1930
Jan. 24, 1930—5721 ROSS ST, Oak-
land. Adolph and Henrietta Mor-
gensen to Morgensen Brothers.....
.....January 24, 1930
Jan. 24, 1930—4507 WEST ST, Oak-
land. Mrs Lily Lepple to H W
Davis.....January 24, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Jan. 20, 1930—PTNS LOTS 20 AND
Jan. 23, 1930—LOTS 16 and 17 BLK
5, Regents Park No 4, Albany. E
K Wood Lumber Co vs George
Wyatt.....\$70.21
Jan. 23, 1930—E CURTIS ST 250 ft
N of Francis St, Albany. E K
Wood Lumber Co vs Geo Wyatt.....
.....\$502.33
Jan. 23, 1930—LOT 12 and E 19 ft
of Lot 13 Blk 11 map of land ad-
jacent to City of Encinal, Alameda. Til-

den Lumber Co vs R H Buck and
C A Anderson.....\$658.67
Jan. 23, 1930—946 TALBOT ST, Al-
bany. E K Wood Lumber Co vs
George Wyatt.....\$71.71
21 Blk 14 Electric Loop Tract,
Oakland. G Leone vs B S and
Nellie May Hanson.....\$263.50
Jan. 22, 1930—PTN PLOT 91, map
of the Ranchos of Vicente and
Domingo Peralta, Oakland. Clin-
ton Mill & Lumber Co, \$1058.17;
G Leone, \$945, vs Valentine and
Tillie Vilette, B S Hanson.....
Jan. 22, 1930—W CLAY ST bet 12th
and 13th Sts, Oakland. Liberty
Ornamental Iron & Wire Works
vs Athens Athletic Club, San-Ray
Neon Corp of California, Ltd.....\$250
Jan. 22, 1930—LOTS 130 and 131,
Aborn Villa, Oakland. Berkeley
Building Materials Co vs Income
Building Corp Ltd and Alfred
Cords.....\$1997.75
Jan. 25, 1930—1025 LINCOLN AVE,
Alameda. Brockhurst Tile Co vs
Joseph F Hinch.....\$65.75
Jan. 25, 1930—440 EL CERRITO AVE
Piedmont. Pacific Coast Aggre-
gates, Inc vs Wm K and Ethel W
Munn, Chas Bright, E R Wilsie.....
.....\$39
Jan. 25, 1930—NW 12th & CLAY STS
Oakland. T P Hogan Co vs Athens
Athletic Club, West Coast Neon
Products Co.....\$110
Jan. 24, 1930—LOT 3f and Ptn Lot
36 Blk F and map of Christiana
tract, Berkeley. Tilden Mill and
Lumber Co vs Geo Wyatt.....\$270.95
Jan. 22, 1930—SE COR. 23rd Ave &
5, map No 4 Regents Park, Albany
Tilden Lumber & Mill Co vs Geo
Wyatt.....\$257.25
Jan. 24, 1930—LOT 16 and 17 Blk
E 20th St, Oakland. C T Peter-
son vs P M Falkoner, H E Mc-
Arthur, Francisco M and Rosal-
Miraglio.....\$52
Jan. 22, 1930—LOTS 45 and 46 BLK
5506/0, Iveywood, Oakland. J A
White vs Geo L Hughson, Francis
Cline and Peter J Jarvis.....\$95
Jan. 24, 1930—2422 EIGHTH AVE,
Oakland. A K Goodmundson vs
Thomas G Pim.....\$179
Jan. 22, 1930—SW TENTH ST and
Dwight Way, Berkeley. Hutch-
inson Co vs George A MacDonell
.....\$315

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Jan. 20, 1930—LOTS 1, 2, 3, 4, 5, 6,
7, 8, 9, 10, 11, 21, 22, 23, 24, 25, 26,
27, 28 and pin Lots 14, 18, 19 and
20 Blk 187, Kellersberger's map of
Oakland. Atkinson Mill & Mfg Co
to 20th Century Market.....\$413.55

BUILDING PERMITS

SAN MATEO

BUNGALOW and garage, \$4500; Lot
37; No. 1217 Oak St., San Mateo;
owner and contractor, H. Shopiro.
ALTERATIONS, \$1500; Crystal Springs
Road, San Mateo; owner, Justin
McNamara, 1416 Columbia St.,
San Mateo; contractor, George
Arthur, 16 W. St. Inez St., San
Mateo.
BUNGALOW, \$4000; Por Lot 82, 50 by
100 feet, Hobart Ave., San Mateo;
owner and contractor, Erickson &
Nelson.
GARAGE, \$2000; S 50 ft. Lot 21; N.
Humboldt St., San Mateo; owner,
C. N. Kirkbride, 360 Elm St., San
Mateo; contractor, F. H. Boring,
621 Crescent St., San Mateo.
RESIDENCE, \$9000; Lots 16 and 17,
Pulton Ave., San Mateo; owner
and contractor, Lengfeld & Olund,
145 El Camino Real, San Mateo.
RESIDENCE, \$8000; Lot 7 Blk 11, No.

236 Grumell St., San Mateo; own-
er and contractor, Martin Peter-
son, 128 Lorton Ave., Burlingame.
BUILDING, reinforced concrete, \$12,-
000; Lot 6, Third Ave., San Mateo
owner, R. Fisher; contractor,
Sierra Constr. Co., 233 Third Ave.,
San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Jan. 20, 1930—LOTS 9 and 10 BLK
13 North Palo Alto. F R Helm to
A C Head.....January 7, 1930
Jan. 21, 1930—LOT 22 BLK 4, East
San Mateo. George E Fisher to
whom it may concern.....Jan. 26, 1930
Jan. 21, 1930—LOTS 6 and 7 BLK 9
Central Park. The Moxey Realty
Co to whom it may concern.....
.....January 20, 1930
Jan. 21, 1930—LOTS 11, 12 and 13,
Portola Terrace. Louis Gambetta
to A Campl.....January 20, 1930
Jan. 22, 1930—LOT 23 BLK 4, East
San Mateo. George E Fisher to
Self.....January 22, 1930
Jan. 22, 1930—N SIDE SWIFT AVE
opposite Western Meat Co office
building. Western Meat Co to F
R Siegrist Co.....January 10, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Jen. 22, 1930—LOT 10 BLK 5, Edge-
wood Park. J R Sutton alias vs
George G Nelson.....\$80
Jan. 22, 1930—LOT 10 BLK 5, Edge-
wood Park. Walker & Beatty vs
George G Nelson.....\$80
Jan. 22, 1930—LOT 10 BLK 5, Edge-
wood Park. Peerless Lbr Supply
Co vs George G Nelson et al.....\$119.38

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
Jan. 21, 1930—LOCATION OMIT-
TED. San Carlos Feed & Fuel Co
to Moxey Realty Co.....in full
Jan. 22, 1930—CALIFORNIA SANA-
torium, Belmont. Hubbard and
Carmichael Bros to Harry W Ar-
nold et al.....in full
Jan. 22, 1930—LOT 27 BLK 10, San
Bruno. San Mateo Feed & Fuel
Co, J B Griffin, alias, W L John-
son, F M McNulty to M W Wood-
son, et al.....in full

BUILDING CONTRACTS

SANTA CLARA COUNTY

SCHOOL
BET. DANA ST. and Naglee Avenue,
San Jose; general construction, ex-
cept heating system, on school.
Owner—Board of Education of San
Jose.
Architect—W. H. Weeks, 111 Sutter
St., San Francisco.
Contractor—W. J. Ochs, 405 Clark St.,
Fresno.
Filed Jan. 17, 1930. Dated Jan. 16, 1930
Progress payments 75%
Usual 35 days.....25%
TOTAL COST, \$71,191
Two bonds filed. Sureties, American
Surety Co of New York. Forfeit, \$35-
595.50 each. Limit, 160 days from Jan.
16, 1930. Plans and Spec. filed.

BUILDING

LOTS 2 and 3 BLK 49, College Ter-
race, Palo Alto (Mayfield); gen-
eral construction on building.
Owner—J. A. Gemur, 309 Leland St.,
Palo Alto.
Architect—None.
Contractor—Geo. B. Moore, 531 Stan-
ford St., Palo Alto.

Filed Jan. 14, '30. Dated Jan. 9, '30.
 When concrete poured and
 roof is in frame.....\$2,844
 When roof complete and plas-
 ter is on.....2,844
 Completed and accepted.....2,844
 Usual 25 days.....2,844
TOTAL COST, \$11,876
 Limit, 90 working days from Jan. 9,
 1930. Spec. filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
 Jan. 13, 1930—LOT 6 BLK 1, John
 R Chace Garden, Villa Lota, Har-
 old G Wick to whom it may con-
 cern.....January 11, 1930
 Jan. 12, 1930—LOT 4 BLK 21, Len-
 drum Tract, Frank J Higuera to
 whom it may concern.....Jan. 10, 1930
 Jan. 13, 1930—SW BRACE AVE and
 Washington Ave, San Jose, Ida H
 Shinley to whom it may concern.....
 January 8, 1930
 Jan. 13, 1930—LOT 16 BLK 13 SR
 2W Sherman Tract, Joe Sesto et
 al to whom it may concern.....
 January 2, 1930
 Jan. 13, 1930—LOT 30 BLK 4, John-
 sons Addn, Los Gatos, J E Banet
 to whom it may concern.....
 January 4, 1930
 Jan. 14, 1930—NW SANTA RITA
 Ave and NE Bryant St NE 137-50
 x NW 30 part lot 6 blk 6 Seale
 Tract No 7, Palo Alto, Atha Ad-
 le Hillback to whom it may con-
 cern.....January 9, 1930
 Jan. 14, 1930—LOT 24 BLK 3 John-
 son's Addn, Los Gatos, Lorin O
 Adams et al to whom it may con-
 cern.....January 10, 1930
 Jan. 15, 1930—E THIRD 104 S Mar-
 garet St, San Jose, James Whit-
 aket et al to whom it may con-
 cern.....January 14, 1930
 Jan. 16, 1930—LOTS 27 and 28 and
 N 12½ ft of lot 29 blk 13 Ven-
 dome Park Tract No 4, San Jose,
 A G Lantz to whom it may con-
 cern.....January 10, 1930
 Jan. 16, 1930—LOTS 3, 4 5 Little-
 field Addn, Morgan Hill, Santo
 Gualtieri to whom it may concern
January 14, 1930
 Jan. 17, 1930—NW UNIVERSITY
 Ave 136 SW Locust St, San Jose,
 Bernhard Striegel to whom it may
 concern.....January 16, 1930
 Jan. 17, 1930—LOT 15 Amended E
 Highlands Subdiv, Howard H
 Harrison, et al to whom it may
 concern.....January 7, 1930
 Jan. 17, 1930—LOT 20 Subdiv of
 Lots 4, 5, 6 Alamos Subdiv, Robt
 Fischer to whom it may concern.
January 13, 1930
 Jan. 17, 1930—PART LOT 15, Linda
 Vista Park, A York to whom it
 may concern.....January 14, 1930
 Jan. 18, 1930—LOT 11 and ptn lot
 7, Edgemont, Arnold E Jamison,
 et al to whom it may concern.....
 January 16, 1930
 Jan. 18, 1930—LOT 1 BLK-17, Ever-
 green Park, Palo Alto, House &
 Osmonson, Inc to whom it may
 concern.....January 14, 1930
 Jan. 20, 1930—W SAN ANTONIO ST
 bet 1st and Market Sts, San Jose,
 Charles J Kuhn to whom it may
 concern.....January 11, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
 Jan. 13, 1930—LOTS 4, 5, 6, 1st Ad-
 dn, Sunset Tract, S L Chiles vs
 Burt E Stoops.....\$70
 Jan. 14, 1930—LOTS 4, 5, 6 1st Ad-
 dn, Sunset Tract, S L Chiles vs
 Burt E Stoops.....\$57.50
 Jan. 18, 1930—LOT 27 Chace Villa
 Lots No 3, San Jose Lumber Co
 vs Chole Roberts.....
 Jan. 17, 1930—NW 112 FT of LOT 7

1st Addn, Sunset Tract, Glen-
 wood Lumber Co vs Burt Stoops.....
 \$703.05
 Jan. 17, 1930—NW 112 FT of LOT 8
 1st Addn, Sunset Tract, Glen-
 wood Lumber Co vs Burt Stoops.....
 \$550.33
 Jan. 17, 1930—SE 50 FT LOTS 7 &
 8, 1st Addn, Sunset Tract, Glen-
 wood Lumber Co vs Burt Stoops.....
 \$525.46

RELEASE OF LIENS

SANTA CLARA COUNTY

Jan. 14, 1930—LOT 12 Alfred Jones
 Addn to Naglee Park, San Jose.
 Acme Sheet Metal Works to Jack
 Harry Chennell et al.....

BUILDING PERMITS

BURLINGAME

APARTMENTS, ten, \$28,000; Lot 22
 Blk 5 E 11 El Camino; owner,
 Randels & Diggs; contractor, H.
 H. Randels, 1029 Paloma Ave.,
 Burlingame.
 BUNGALOW, \$6000; Lot 17 Blk 4 B
 S L Winchester; owner and
 builder, I. Sorensen, 1123 Lincoln
 Ave., Burlingame.
 ADDITION to oil station, \$1000; Lot
 4 Blk 2, Howard Avenue; owner
 and builder, Reese T. Cropley,
 1265 Balboa Ave., Burlingame.
 BUNGALOW, \$6500; Lot 16 Blk 13 B
 H Benito Ave.; owner and build-
 er, 751 Linden Ave., Burlingame.
 BUNGALOW, \$5000; Lot 51 Blk 6 B
 H Hale Drive; owner, G. W. Wil-
 liams, 1404 Broadway, Burlingame.
 BUNGALOW, \$5000; Lot 43 Blk 53 E
 7 De Soto Ave.; owner and build-
 er, Niel Donovan.

BUILDING CONTRACTS

MONTEREY COUNTY

DWELLING
 LOTS 10 and 12 BLK 152, Carmel
 Wood, Carmel; general construc-
 tion on a dwelling.
 Owner—Grace Wallace, Carmel.
 Architect—Not Given.
 Contractor—Ernest S. Bixler, Carmel.
 Filed Jan. 22, '30. Dated Jan. 20, '30.
 When roof is on.....\$1050
 When plastering is done.....1050
 When house is completed.....1850
 When lien period is passed.....1050
TOTAL COST, \$5,000

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
 Jan. 25, 1930—LOT 4 map of Mack
 Subdiv in Blk 69, Pacific Grove
 Realty Co to Goodale Bros.....
 January 24, 1930
 Jan. 27, 1930—LOT 1 Blk 5 Country
 Club Heights, Pacific Grove, Mon-
 terey County Holding Co to Self.....
 January 25, 1930
 Jan. 27, 1930—LOT 24 BLK 18, F S
 Spring's Addn, Salinas City, Jack
 I Prader to A B McElheran.....
 January 20, 1930
 Jan. 27, 1930—ELY 20 FT LOT 20 all
 of Lot 21 and Wty 32 ft 7 in of
 Lot 22 Blk 16, F S Spring's Addn,
 Salinas City, Columbus C Rogers
 to whom it may concern.....
 January 27, 1930
 Jan. 28, 1930—LOT 1 BLK A Block
 Book of the City of Monterey.
 Orazio and Rosie Chivello to whom
 it may concern.....January 28, 1930
 Jan. 21, 1930—LOTS 1 and 2 BLK
 19, Riker & Jackson Survey form-
 ing part of Salinas, Claude J Mus-
 selman to whom it may concern.....
 January 17, 1930
 Jan. 22, 1930—LOT 1 BLK 3, Maple
 Park, Salinas, Frank B and Jet L
 Porter to Huson & Reese.....

January 15, 1930
 Jan. 22, 1930—LOT 19 BLK 14, map
 of Homestead Addn, Salinas City.
 Elizabeth Le Masters to whom it
 may concern.....January 21, 1930
 Jan. 24, 1930—LOT 8 BLK 4, map of
 No 2 Del Monte Heights, Monte-
 rey, J V Cain to whom it may
 concern.....January 22, 1930

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
 Jan. 21, 1930—A PIECE OF LAND
 situated near Pajaro river in Pa-
 jaro, Calif, H M Griffoil to Fanny
 C Porter, Sam Hing Co, Louis
 Wang and Chas Fang Dong.....\$295.12

BUILDING CONTRACTS

MARIN COUNTY

FIRE HOUSE
 LOT 28, Novato. All work for fire
 house.
 Owner—Fire Commissioners of Novato
 1st District.
 Milling Engineer—Horace R. Spauld-
 ing, Pelson and First Streets, San
 Francisco.
 Contractor—R. E. Murphy.
 Filed Jan. 24, 1930. Dated ____
 Signing agreement.....\$ 600
 Foundation in.....900
 Roof on.....900
 December 30, 1929.....1000
 December 30, 1930.....1361
 December 30, 1931.....1000
TOTAL COST, \$5761
 Bond, limit, forfeit, plans and specifi-
 cations, none.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
 Jan. 23, 1930—MILL VALLEY, Edna
 H Behrens et al to Melvin Klyce.....
 Dec. 20, 1929

LIENS FILED

MARIN COUNTY

Recorded Amount
 Jan. 23, 1930—CORTE MADERA.
 Lester M Ryan vs Clara and W J
 Tuska.....\$979

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
 Jan. 23, 1930—E ¼ of LOT 4 and E
 9¼ inches S 75 ft of W ¼ Lot 4
 all in blk 5 E of Center St, known
 as 415 E Main St, Stockton, State
 Guaranty Corp to Lewis & Green
January 23, 1930
 Jan. 22, 1930—LOT 20 BLK 2, Lake
 View tract, George Edward and
 Anna B Metherall to Wm Peens-
 tra.....January 14, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
 Jan. 25, 1930—LOT 111, McKinley
 Blk Tract No. 2, Stockton.
 Friend & Terry Lumber Co vs D
 L Gray.....\$67.12

BUILDING PERMITS

STOCKTON

ADDITION to auto laundry, \$2500;
 301 N Hunter St.; owner, C. M.
 Menzies, 332 N El Dorado Street,
 Stockton; contractor, F. R. Zineck,
 420 N Central, Stockton.

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
Jan. 24, 1930—PTN LOTS 10, 11, 12 Blk 2, Laguna Vista Add, Sebastopol. Walter Christianson to Nelson & Sons.....	January 23, 1930
Jan. 24, 1930—PTN LOT 234, Petaluma. J T Stratton's Map. Maria and John Lepori to Petaluma Bldg & Const Co, J H Schneider, J H Frahm.....	January 18, 1930

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 5-room, \$4000; No. 4900 T St., Sacramento; owner, O. M. Froling, 1625 40th St., Sacramento.

AUTO laundry and service station, \$5200; No. 1117 I St., Sacramento; owner, Zelote Smith and Wm. Snyder, 717 21st St., Sacramento; contractor, J. A. Saunders, 2110 10th St., Sacramento.

CLUB house, 35-room, \$227,500; No. 1216 9th St., Sacramento; owner, Sutter Club Bldg. Assn., 323 J St., Sacramento; contractor, Geo. D. Hudnutt, 1915 S St., Sacramento.

SERVICE station, \$1200; No. 2253 Stockton Blvd., Sacramento; owner, Hulén Bros., 2253 Stockton Blvd., Sacramento; contractor, Soule Steel Co., Rialto Bldg., San Francisco.

RESIDENCE, 5-room, \$5000; No. 320 37th St., Sacramento; owner, Chas. N. Thompson, 3900 Third Avenue, Sacramento.

RESIDENCE, \$1500; No. 1463 33th St., Sacramento; owner, G. Carli, 5000 L St., Sacramento; contractor, A. Soraco, 1231 48th St., Sacramento.

RESIDENCE, 7-room, \$5500; No. 2740 Third Ave., Sacramento; owner, J. Pedone, 914 S St., Sacramento.

RESIDENCE, 5-room, \$3500; No. 4525 Tenth Ave., Sacramento; owner, Antonio T. Correia; contractor, Frank Lopez.

RESIDENCE, 6-room, \$3200; 2921 T St.; owner, Jas. N. Boyd, 1640 35th St., Sacramento; contractor, W. C. McMasters, 1930 El Monte Ave., Sacramento.

RESIDENCE, 5-room, 2533 11th St.; owner, B. H. Bill, 3254 Marshall Way, Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Jan. 27, 1930—LOT 4 BLK T, Gould Tract, Sacramento. Charles E Truax to whom it may concern.....	Jan. 25, 1930
Jan. 22, 1930—STATE HIGHWAY bet. Arno and McConnell, Sacramento County. Dept. of Public Works, State of Calif. to whom it may concern.....	Jan. 18, 1930
Jan. 25, 1930—LOT 2243, W & K Tract 24 Addition, Sacramento. Joseph Pedone to whom it may concern.....	Jan. 24, 1930
Jan. 25, 1930—BEN ALI AND Sylvan Schools, Sacramento. Dept. of Public Works of State of Calif. to whom it may concern (construct section of highway).....	January 18, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
Jan. 27, 1930 — LOT 111, McKinley Blvd. Tract, Sacramento. William Low vs D L Gray.....	\$140

Jan. 22, 1930—S 37½ LOT 561 and N 25 Lot 562 W. & K Subd No. 19, Sacramento. Crane Co vs Charles N and Addie L Fleming and Cap. Plumbing & Heating Co. Inc.....\$193.78

Jan. 22, 1930—S 37½ LOT 561 and N 25 Lot 562 W. & K Tract No. 19, Sacramento. Scott Plumbing & Electrical Co vs C N and Addie L Fleming and William Murcell.....\$16.19

Jan. 23, 1930—S 37½ FT. LOT 561 and N 25 ft. Lot 562, W. & K. Tct 19, Known as 1700 39th St., Sacramento. Scott Plumbing & Electrical Co vs H C Lauer; Cap. Plumbing & Heating Co, Inc.; Chas N and Addie L Fleming and William Murcell.....\$16.19

Jan. 23, 1930—LOTS 3 AND 4 W 3 feet Lot 5, Boulevard Park, Sacramento. Luppen & Hawley, Inc vs Mrs. Elizabeth W Taylor.....\$541.15

BUILDING PERMITS

FRESNO

ALTERATIONS to class C business bldg., \$1900; 62 S 1st; owner, Gross Millinery, 62 S 1st, San Jose; contractor, H. A. Bridges, 1393 Lincoln, San Jose.

RESIDENCE, 4-room frame, \$3,000; Morlan near 28th; owner and contractor, H. N. Traxler, 685 Elm, San Jose.

ALTERATIONS, interior, to class C business bldg., \$1000; 220 S First; owner, T. H. Herschbach, Twohy Bldg., San Jose.

RESIDENCE, 5-room frame, \$4900; 2nd near Taylor; owner, A. Prager, care 5 Garfield, San Jose; contractor, Ira Brotzman, 5 Garfield, San Jose.

RESIDENCE, 4-room frame, \$2600; Elm near Newhall; owner, Manuel Selmas, 232 Pleasant, San Jose; contractor, Wm. H. O'Neil, 1500 McDaniel, San Jose.

ALTERATIONS to class C business bldg., \$6700; Market and Devine; owner, James Transfer Co., 133 N Market, San Jose; contractor,

Megna & Newell, Bank of Italy Bldg., San Jose.

RESIDENCE, 4-room frame, \$3000; Morlan near Santa Clara; owner and builder, H. N. Traxler, 685 Elm, San Jose.

REPAIR fire damage to business bldg., \$1500; 55 S 2nd; owner, Paul Williams, 57 S 2nd, San Jose; contractor, R. O. Summers, 17 N 1st, San Jose.

ALTERATIONS and additions, \$1400; No. 1048 Broadway, Fresno; owner, Harry Rose, 1619 San Pablo, Fresno; contractor, Ed. Trebble, 1803 Harvey St., Fresno.

DWELLING and garage, \$4500; No. 1515 College Ave., Fresno; owner, J. E. Wilbur, 3641 Mono St., Fresno.

COMPLETION NOTICES

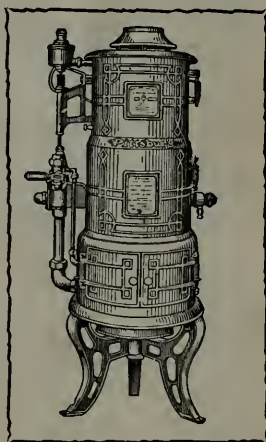
FRESNO COUNTY

Recorded	Accepted
Jan. 24, 1930—LOT 2 BLK 10 N Park Terrace, Fresno. A F Lambert to whom it may concern.....	Jan. 23, 1930
Jan. 24, 1930—LOTS 45 & 46 BLK 16, N Park Terrace, Fresno. F V Boller to whom it may concern.....	Jan. 22, 1930
Jan. 25, 1930—LOTS 32 AND 33 BLK 3, High Addition, Fresno. E G Byrd to whom it may concern.....	Jan. 23, 1930
Jan. 25, 1930—LOT 5 BLK 4, Highland Park, Fresno. W H Richmond to whom it may concern.....	Jan. 24, 1930

LIENS FILED

FRESNO COUNTY

Recorded	Amount
Jan. 24, 1930—LOTS 13 TO 16 BLK 217, Fresno. Inland Light Co vs Sahag S Pashayan.....	\$35
Jan. 22, 1930—NW ¼ SEC 14 14-20. Curtis Hess vs Southern Pacific Ry Co and E Y Foley.....	\$935



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

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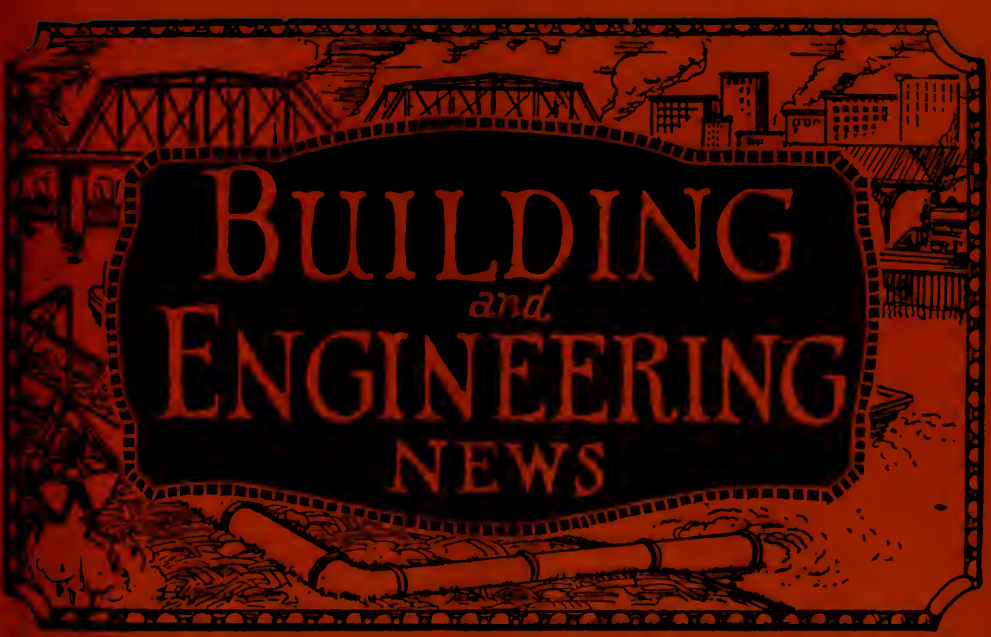
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BUILDING *and* ENGINEERING NEWS

Publication Office
147 Mission Street

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Thirtieth Year No. 6
Published Every Saturday

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., FEBRUARY 8, 1930

Thirtieth Year No. 6

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
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All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

BIDS ORDERED ON STOCKTON DEEP WATER PROJECT

Bids for the first unit of the Stockton Deep Water Project will be opened in Sacramento March 5. The contract will involve approximately 1,772,000 cubic yards of suction dredging in the New York Slough and Suisun Bay. The total cost of the Stockton project is placed at \$6,000,000. The unit for which bids are being received will call for an expenditure of \$91,500.

The project contemplates a channel 92 miles long, 100 feet wide at the bottom and 26 feet deep at low water which is expected to accommodate 90 per cent of the vessels entering San Francisco Bay.

Included in the project is the straightening of the San Joaquin river, which will involve the cutting through of a number of islands in the delta. In addition, Stockton is to provide 1200 feet of terminals, with docks, wharves, covered cargo sheds and railroad spurs.

Three million dollars in bonds were voted in 1924 by the people. This amount is matched by the Federal Government with \$2,407,000, and the State, with \$510,500. The cost of the first unit is paid by the State.

The channel will be finished in about three years, engineers say, and, according to estimates, it will save shippers \$900,000 in freight and loading charges in the first year. The territory to be served is said to extend from Bakersfield to Klamath Falls, Ore., and as far east as Western Utah, and is contiguous to the three transcontinental railroads, the Southern Pacific, Western Pacific and Santa Fe.

CONSTRUCTION STATISTICS IN 1930 U. S. CENSUS

For the first time in the history of the country, construction statistics will be collected by the Bureau of the Census when it takes the 1930 census of the nation. This step was decided on by the Bureau's advisory committee on the recommendation of the Associated General Contractors of America. The statistics on construction will include the data obtained by the enumerators working on the special census of distribution. Figures on all construction work in progress and contracted for will be obtained, sorted and compiled for the use of Federal Agencies and other interested persons and organizations. It is believed that information developed by the census will enable the Association to speak with certainty in its dealings with the Government and with other industries. Data which will be useful in determining the state of the industry which will be useful in stimulating a flow of money into the construction field will also be collected.

S. F. BUILDING IN JANUARY TOTALS \$1,431,983

San Francisco building operations for the month of January, 1930, involved an expenditure of \$1,431,983, according to records compiled by the Bureau of Building Inspection, Department of Public Works. During the month 610 permits were issued.

For the corresponding period in 1929, records of the department show 536 permits for improvements involving an expenditure of \$2,778,323.

Following is the segregated report of the January, 1930, activities as compiled by the city building bureau:

Class	No. of Permits	Est. Cost
A	1	\$ 40,000
B	1	50,000
C	15	513,000
Frames	101	401,595
Alterations	489	219,576
Public Bldgs.	3	202,812
TOTAL	610	\$1,431,983

JANUARY BUILDING IN S. F. SUMMARIZED

The following is a classified list of construction undertaken during the month of January, based on building permits issued, as compiled by John B. Leonard, superintendent of the Bureau of Building Inspection of the Department of Public Works:

Classification	No.	Est. Cost
1-family dwlgs.....	75	\$310,450
2-family dwlgs.....	3	22,000
Frame Apts. (108 fm) 3		462,000
Church.....	1	10,000
Factories, etc.....	3	60,000
Garages (private).....	11	3,845
Gas & service stations 4		17,350
Institutions (hospitals, etc.)	1	117,734
Office Bldg.....	1	800
Public Bldgs.....	4	120,078
Sheds, Etc.....	8	3,000
Stables and Barns.....	1	16,000
Stores.....	7	69,500
Alterations		
Housekeeping dwlgs.137		66,639
Non-housekeeping.....	5	21,950
Non-Residential.....	107	104,510
Installations (signs, etc.).....	239	26,127

The Ohio industrial commission has been requested by the state division of factory and building inspection to change the building and construction code to require contractors to submit complete reports on all scaffold accidents within two days after such accidents occur.

These reports would contain information as to the nature of the accident, how it occurred, and the names of employer and employee. The division also requested the commission to pass a ruling to require that when such accidents occur, all broken ladders, chains, cable hoists, planks and scaffolding be left untouched until an inspector arrives.

FRESNO PAINTERS GRANTED WAGE INCREASE

Following closely upon the wage increase of carpenters, at a conference between representatives of the master painters of Fresno and of the painters' union, local No. 294, held Jan. 31, an increase of 50 cents a day was granted. The agreement, effective Feb. 3, will find members of the painters' union at work on a five-day week scale at \$3 a day. To the painting contractors the agreement was regarded as justified inasmuch as the painters voluntarily accepted a cut of \$1 daily from \$9.50 seven years ago. The drop at that time was on a temporary basis, but no increase in wages have been granted by the contractors since that time. The increase quieted any talk of what might have resulted in a strike among painters, who maintained that they were entitled to an extra \$1 daily.

MORE SKYSCRAPERS IS NEED IN NEW YORK

The Regional Plan of New York and Its Environs which has suggested an imposing building as appropriate for the metropolis' civic center about City Hall, has, at the same time, gone on record as favoring unrestricted building height on 25% of the city lots, with a lowering of height limitations on the remainder.

"The fundamental thing is space about buildings and not limitation of height," said Thomas Adams, director of the Regional Plan staff. "We have listed high buildings as one of several causes of congestion, but never have imagined that the remedy would be found in the yardstick method of arbitrarily limiting the skyward development of a city."

"It is believed to be better for New York to have as many 100-story towers as possible. The more high towers that cover 25% of our lots the fewer 10- and 20-story buildings will cover 90% to 100% of them. Thus the 100-story building under the zoning law is less of a menace to the city's free movement and health than solid blocks of buildings under twenty stories."

DISTRIBUTORS AND AGENTS WANTED

A manufacturer of Expansion Joints used with pavements, bridges and all forms of concrete slab work, is open to increase number of distributors and agents in certain good unassigned territory. Communications addressed to Daily Pacific Builder, Editing Dept., will be forwarded to company concerned.

The New York Central Building, New York City, contains over 16,000,000 face and common brick. It also has clay tile partitions throughout. The Furniture Mart in Chicago contains over 40,000,000 face and common brick.

PERSONS ENTITLED TO LIENS

By HARRY C. WESTOVER, Attorney-at-Law

Although the constitution of the State of California provides that all mechanics, material men and laborers of every class shall have a lien on the property upon which they have bestowed labor or furnished materials for the value of such labor done and materials furnished, nevertheless it is not always true that those parties who furnish labor and/or materials can establish a valid lien. The labor or material for which the lien is filed must be used or consumed in the building or structure on which the lien is placed and such labor or material must have been sold for the purpose of going into the building.

A obtains a contract for the erection of a one-story brick building. He buys all of the building materials from B Lumber Company with the exception of brick which B does not handle. A discovers that C, a brick manufacturer, is over-stocked on brick and is in sad need of ready money and that by paying cash he can obtain a discount of \$4.00 per M on the brick. A goes to B and explains to B that he is able to purchase the brick from C for cash at a material saving and B agrees to B to advance him \$1000.00 to be used in the purchase of the brick and charge the \$1000.00 advanced on A's account to be paid when the building is completed. B advances the \$1,000.00 to A and A purchases the brick and pays for them and the brick is delivered on the job and used in the building. A fails to pay B's bill and B files a lien upon the building including in the lien not only the materials sold and delivered to A but also the \$1000.00 which was used in the purchase of the brick.

The law is well established that B cannot maintain his lien for the \$1,000.00 advanced to purchase the brick. If B had purchased the brick and then sold them to A then B could have filed a valid lien. But as the matter was handled B really lent A \$1000.00 in cash and no lien can be filed in such an instance.

Where a contractor builds a building on a cost plus basis and does not agree to provide his own labor but merely makes contracts with others on behalf of his principle he cannot put a lien on the property for money he may have advanced for labor and materials. Such an arrangement is a loan arrangement for which there is no lien against the property.

The above was the decision on the case of the Stiles Const. Co. vs. El Serrano Country Club, decided recently by Judge Yankwich of the Los Angeles Superior Court. The court held that if the contractors had furnished no labor or materials of their own, only money for others, their arrangement was merely a money loan one and the contractors were not entitled to a lien on the land.

Section 1183 of the California Code of Civil Procedure provides that mechanics, material men, etc., performing labor upon or bestowing skill to be used or consumed in the construction of a building are entitled to file liens.

The term "used or consumed" has often been before the courts for interpretation. At one time the courts held that in order to entitle a material man to file a valid lien that the material had to be actually used in the building or structure. However, the interpretation has now been so broadened that even though the mate-

This is the fourth of a series of articles prepared by Harry C. Westover, attorney of Santa Ana, in connection with the California Mechanics' Lien Law. Other articles will appear in these columns from time to time.—Editor.

rials are not used in the actual building or structure that nevertheless the material man has a lien if the materials are consumed in the erection of the structure. Consequently a lien will lie for form material used in the erection of a concrete building although the form material may not finally become a part of the building. Where a building material dealer delivered lime in barrels, the lime to be used in the construction of a building and the barrels were not returned by the contractor to the material dealer, the building material dealer was permitted to include in his lien a charge for the lime barrels on the ground that the barrels were consumed in the construction of the building. Snell vs. Payne 115 Cal. 218.

A charge for cartage on the materials delivered and used in the building or structure can be included in the lien and at the present time a party who wrecks or removes a building is entitled to a lien.

Persons entitled to liens have been divided into four classes: original contractors, sub-contractors, material men and laborers. The failure of an original contractor to perform his contract or the abandonment of the contract by the original contractor does not preclude sub-contractors, material men and laborers from filing valid liens.

In the event a notice of completion is filed at the completion of the building or structure an original contractor has sixty days in which to file his lien and sub-contractors, material men and laborers have thirty days in which to file liens. If no notice of completion is filed by the owner then all parties regardless of whether they are original contractors, sub-contractors, material men or laborers must file their liens within ninety days after the completion of the building.

There is a clear line of demarcation between contractors and material men. One who only sells materials and has nothing to do with the installation of them or the construction of the building is a material man.

The mere fact that a contract to furnish materials is made directly with the owner instead of the contractor or sub-contractor does not transform the material man into a contractor. He is still a material man although he contracts directly with the owner. One who agrees with the owner or contractor to construct outside the building or away from the premises some detached article, machinery, or apparatus to be thereafter placed in or attached to the building by him who furnished it is a material man.

If the value of the labor to be performed is greater than the value of the materials to be furnished it is usually held that the party furnishing and installing the materials is a contractor but if the value of the labor to be performed in installing the materials is less than the value of the materials then it is generally held that the party furnishing and instal-

ling the materials is a material man.

It has been held that contracts to furnish roofing; to furnish and install roof tile, to furnish and install elevators, to furnish and install lighting fixtures were contracts for materials and not building contracts. One who contracts to furnish all the brick work in a building is a contractor, and not a material man; they who contract to bath, plaster, lay floors, put on a roof, build walls for a bath room are sub-contractors. A painter who not only furnished materials for but does the work of painting a house for the owner is an original contractor. One who contracts to furnish mill work for a building, that is sash and doors, etc., is a material man and not a contractor.

IMPROVED SURETY BONDING PRACTICES SOUGHT

Methods of inter-industry co-operation looking toward the elimination of conditions which have made for irresponsibility in the construction industry and the securing of improved surety bonding practices, were outlined at the convention of the Associated General Contractors of America meeting in New Orleans Jan. 23, when a report on the work of the Bureau of Contract Information was laid before the delegates.

This bureau was established four months ago at the joint suggestion of the contractors, architects and public officials and is financed by the Surety Companies of the United States. Its function is to investigate the performance record, past reputation and work on hand of every general contractor in the country. Delegates were told that performance records and contract statement received from contractors in the short time since the bureau was established, have reached a total of well over 1400. Verifications with respect to 10,161 contracts from engineers, architects and public officials with respect to 10,161 construction projects. Verifications received from financial institutions total 2502, and those from manufacturers and distributors of equipment and materials number 8604. The total received from all sources is given at over \$24,000.

The Bureau is investigating the performance record, reputation and work on hand of every general contractor in the United States, the convention was told, and questionnaires designed to secure the necessary information are being sent to each contractor. As soon as replies are received, the information given in the questionnaires is verified. Various sources of information are given their co-operation, the report stated, and verification reports are being received from surety companies, public bodies, engineers, architects, financial houses, manufacturers, distributors and contract reporting agencies.

Naturally, the report to the delegates pointed out, those contractors who voluntarily submit their records, will be viewed as concerns who have nothing to conceal, and are proud of their performance.

When this information is received at the Bureau, the report stated, verified information concerning any contractor will be available for legitimate inquirers.

SAN FRANCISCO THIRTEENTH IN "BIG CITY" BUILDING FOR 1929

San Francisco was thirteenth among the cities of the United States in building for the year 1929, Los Angeles was fifth, Seattle ranked sixteenth, and Long Beach was twenty-fifth.

Building in 533 comparable cities for 1929 showed a loss of 12 per cent compared with 1928 and 13 per cent

compared with 1927. The total for the year 1929 was \$3,379,977,300 and for 1928 it was \$3,827,821,400.

Forty-seven cities reported \$10,000,000 worth of building or more for the year 1929. Following is a list of these cities reported to S. W. Straus & Co., with figures for 1929 and 1928:

	Year 1929	Year 1928
New York	\$922,376,300	\$924,479,900
Chicago	202,286,800	315,800,000
Philadelphia	106,229,900	111,884,800
Detroit	100,542,500	129,260,200
Los Angeles	93,016,160	101,678,763
Washington, D. C.	58,331,200	51,255,000
Boston	51,223,100	55,535,000
Milwaukee, Wis.	46,785,700	44,488,800
Baltimore, Md.	37,509,800	38,481,900
Cleveland, Ohio	37,782,550	54,592,800
Cincinnati, Ohio	35,124,100	35,700,400
Pittsburgh, Pa.	34,774,700	38,242,500
San Francisco	33,682,025	37,696,363
Newark, N. J.	30,419,000	36,283,700
Houston, Texas	29,526,800	35,319,500
Tulsa, Okla.	24,432,770	24,522,200
St. Louis, Mo.	27,330,600	42,819,500
Oklahoma City, Okla.	24,418,300	17,660,100
Buffalo, N. Y.	24,181,500	24,515,000
Akron, Ohio	21,886,300	19,652,200
Yonkers, N. Y.	19,529,300	37,692,800
Minneapolis, Minn.	20,960,100	23,257,700
Hartford, Conn.	18,149,500	16,366,700
San Antonio, Texas	18,079,000	16,408,000
Long Beach, Calif.	15,149,585	16,366,737
Bozeman, Colo.	15,103,300	16,058,400
Indianapolis, Ind.	15,608,000	23,668,924
Portland, Oregon	15,493,310	21,275,970
Jersey City, N. J.	15,396,800	12,895,000
Kansas City, Mo.	15,270,700	15,826,900
Lexington, Ky.	15,143,300	7,747,900
Dearborn, Michigan	14,907,300	16,051,500
Providence, R. I.	14,317,428	19,596,240
Oakland, Calif.	13,492,700	17,146,900
Toledo, Ohio	13,422,900	16,083,400
Rochester, N. Y.	13,303,200	17,620,800
New Haven, Conn.	13,284,600	8,054,900
Atlanta, Ga.	13,212,600	27,580,500
Cambridge, Mass.	12,165,100	7,289,400
Tulsa, Okla.	12,132,300	14,552,600
New Orleans, La.	11,971,600	11,899,000
San Diego, Calif.	11,583,738	12,372,600
Ft. Worth, Texas	11,324,800	13,221,100
Syracuse, N. Y.	11,259,600	13,302,300
Columbus, Ohio	10,641,000	16,689,200
Bessemer, Ala.	10,504,700	436,600
Birmingham, Ala.	10,396,800	18,641,600

SALES OF SLATE DURING 1929 SHOW DECREASE

The value of the slate sold at the quarries of the United States in 1929 was \$10,868,000, according to estimates furnished by producers to the United States Bureau of Mines, Department of Commerce. This was 5 per cent less than the value reported for 1928.

The roofing slate sold in 1929, estimated at 441,000 squares, valued at \$4,630,000 decreased 9 per cent in quantity and 14 per cent in value over 1928. This represents a decrease of 70 cents in the average value per square. This decrease was largely in the New York-Vermont district where the estimated sales amounted to 148,500 squares valued at \$2,044,000, a decrease of 19 per cent in quantity. The sales of roofing slate in Pennsylvania was estimated at 243,000 squares, valued at \$1,950,000, a decrease of 5 per cent in quantity. There was an increase in sales of Virginia and Main roofing slates.

The total sales of mill stock in 1929, estimated at \$9,200,000 square feet, valued at \$3,521,000, a slight decrease in quantity and an increase of 3 per cent in value. Mill stock for structural slate—2,768,000 square feet, valued at \$1,110,000—increased 9 per cent in quantity and 7 per cent in value. Electrical slate—1,424,000 square feet, valued at \$1,140,000—increased 10 per cent in quantity and 11 per cent in value. Slate for school

slates—1,620,000 pieces (865,000 square feet), valued at \$20,000—increased 2 per cent in quantity but decreased 11 per cent in value. Mill stock for blackboards and bulletin boards—3,415,000 square feet, valued at \$1,041,000—decreased 8 per cent in quantity and 3.5 per cent in value in 1929. Slate for billiard-table tops—243,000 square feet, valued at \$39,000—decreased 15 per cent in quantity and 19 per cent in value. Slate for vaults and covers—480,000 square feet, valued at \$121,000—decreased 10 per cent in quantity and 12 per cent in value.

There was apparently a considerable increase in the quantity of slate sold for flagging, cross-walks, stepping-stones, etc. This was estimated at 1,317,000 square feet, valued at \$187,000 in 1929, compared with 932,110 square feet, valued at \$184,184 in 1928.

The sales of crushed slate for roofing granules and flour in 1929 was estimated at \$430,000 short tons, valued at \$2,530,000. This represents an increase of 4 per cent in quantity and 2 per cent in value.

Annual convention of the National Association of Building Owners and Managers will be held at Bloxi, Miss., from June 9 to 13. It is announced by Paul Robertson, president of the association. This will be the first time in fifteen years that the organization held its annual meeting below the Mason and Dixon line.

FAMOUS ENGINEERS LISTED BY VILLANOVA COLLEGE

The greatest engineer of all time is James Watt, improver of the steam engine, the deans of American engineering schools have decided.

A list of the greatest engineers, both of all time and of the last 25 years, was made public recently for the first time when the students in the School of Technology, Villanova College, met to make plans for the celebration of the 25th anniversary of the Villanova engineering department. The celebration will be held in June.

Dean Carl T. Humphrey of the Villanova School of Technology invited every dean of engineering in America to name the greatest engineers. Their selections appear in two groups.

The five outstanding engineers of all time: James Watt; Leonardo da Vinci, planned and constructed the Martesana Canal; Thomas A. Edison; James B. Eads, boat and bridge engineer; Ferdinand de Lesseps, French engineer who built the Suez Canal and projected the Panama Canal.

The Villanova survey shows that the 15 greatest engineers of the last 25 years are: Herbert Hoover, for his work in mining and administration; Charles P. Steinmetz, electrical genius; Thomas A. Edison; John F. Stevens, for his work on the Panama Canal and as head of the American Railway Mission to Russia, 1917-18; John Hays Hammond, mining; George W. Goethals, engineer-in-chief of the Panama Canal; George W. Westinghouse, airbrake inventor and pioneer in introducing alternating current machinery; Guglielmo Marconi, inventor of wireless telegraphy and responsible for first broadcasting in England; Henry Ford; Ralph Modjeski, engineer of the Delaware River Bridge at Philadelphia and the Ambassador Bridge which connects Michigan and Ontario, Canada.

BUSINESS BUILDING EXPENDITURE IN 1929 SETS RECORD

More money was invested in new construction for business uses in 1929 than in any previous year on record, according to latest data examined by the research department of Greenbaum Sons Investment Company.

New commercial and industrial buildings contracted for during the year call for an outlay of \$1,689,000, according to figures of F. W. Dodge Corporation covering awards in the 37 states east of the Rocky mountains. If the Far Western states built office buildings, factories and stores in the same relative proportions, the grand total for the entire country approximates \$1,860,000,000.

The 1929 figure represents an increase of 11 per cent over the expenditures for these types of buildings in 1928, which was the previous record year. The 1928 outlay for the 37 states was \$1,520,000,000. In 1927 some \$1,427,000,000 was spent. The 1926 total amounted to \$1,593,000,000 and 1925, \$1,321,000,000.

Commercial and industrial structures are shown to be the only important classes of construction registering an increase for 1929. The total of contracts for the year declined by 13 per cent from the 1928 level, while residential building fell off 31 per cent.

The Division of Simplified Practice of the Bureau of Standards, Department of Commerce, has just announced that Simplified Practice Recommendations No. 12, Hollow Building Tile, No. 66, affirmed, without change, for another year. Surveys of production to determine the degree of adherence accorded those simplifications disclosed that approximately 89 per cent of Hollow Building Tile production conformed to the simplified schedule.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

More than \$150,000,000 will probably be required during 1930 to finance the erection of new residential housing in Pacific Coast cities, according to estimates of S. W. Straus & Co. based on today's balance between supply and demand and on the records of the past two years. Of this amount, approximately 40% may be expected to go into multi-family housing, apartment houses, flats and hotels. In most cities of this area, occupancy records indicate that the reduced building program of the last few years, particularly that of 1929, has restored the lists of unsold residences and the tenant lists of rental properties to a basis which is practically normal, the Straus survey indicates. Current increase in population, constantly shifting centers of residential preferences, and an ever increasing desire for better housing accommodations are the three factors which are depended on to assure stability to the building industry in this class of construction. A total of \$286,700,000 was expended for this class of buildings in 100 principal Pacific Coast cities during the past two years, a figure which students of the subject have considered inadequate to meet the normal new housing requirements of a population increasing as has that of this area. Economists analyzing the building prospects for 1930 have reported that the costs for new building this year may amount to 10% more than in 1929 and that a normal proportion of this increase will be required for residential housing.

Noiseless construction for large industrial and commercial buildings as a practical proposition for the first time in the history of the American building industry is seen in the announcement of The Austin Co., international firm of engineers and builders, that the electrical welding of structural steel is to be offered as a regular part of its service. The company will make welding or riveting optional with the owner. In the past welded as against riveted construction has been employed on a more or less experimental basis. It never before has been offered as an optional proposition. The Austin Co. have conducted exhaustive tests over a period of eight years which have convinced them that welding is destined to have a substantial place in the fabrication of structural steel.

With the national tendency toward over-taxation stressed by various speakers as one of the principal causes of depression in home building activities, members of the National Association of Real Estate Boards, went on record as supporting tax reforms. Leonard P. Reaume, of Detroit, Mich., in an address following his installation as president, declared, "It is necessary to organize home owners and real estate owners of the country to work local real estate boards for their tax rights." He pointed out that a closer co-operation between home owners, real estate owners and members of the real estate profession might quickly effect radical changes in the tax situation.

Los Angeles, issuing 2031 permits, lead Pacific Coast cities in building construction for the month of January. Construction under these permits involved an expenditure of \$9,115,846. Seattle took second place with 386 permits for improvements estimated to cost \$5,249,425. San Francisco ranked third with 610 permits for work costing \$1,431,932. Portland, Ore., took third place with 1169 permits, the work costing \$838,430.

City officials of Burlingame are in a huddle to decide how to ward off an assault which threatens to drive them out of the city hall. Ants, apparently in unlimited numbers, which had established themselves in the basement of the building, moved into the upper floors. Many books and records have been damaged by the insects and their onslaught continues. It was thought that the city hall might have to be vacated temporarily while the ants are exterminated.

New legal steps to secure the erection of a new courthouse for Alameda county have been taken by Richard Liebman in a suit filed with the State Industrial Accident Commission. Liebman's suit makes as defendants the Board of Supervisors who are charged with responsibility of keeping up the public buildings. Liebman claims that the accident commission has jurisdiction because of his duty to see that places where people are employed are kept safe. Liebman, who says the building is inadequate and dangerous asks that the commission investigate the building and then issue such orders to remedy the situation.

Plans for an aggressive campaign to bring new industries to San Francisco are being considered by members of the Board of Supervisors. As a preliminary step, Supervisor James E. Power suggests a survey of available industrial sites in the city and the peninsula and asks a \$5000 appropriation for this purpose. His request has been referred to the Finance Committee.

Effective February 1, plumbers and electricians of Eureka, Humboldt Co., started work on the five-day week schedule. Carpenters and painters will shortly adopt the five-day week, according to Harry C. Breit, secretary of the Federated Trades Council of Eureka.

January was a busy month for the port of Eureka (Humboldt County). Redwood lumber shipments to New Zealand and Australia totaled 2,948,000. Twenty thousand shingles were also shipped, according to H. F. McGrath, deputy collector of customs.

Richfield Oil Company of California desires literature and catalogs from manufacturers and dealers selling materials and specialties that are used in the construction of airplane hangars and airports. The information should be addressed to Mr. Curtis, service division, Department of Aviation, Richfield Oil Company, 807 Richfield Bldg., Los Angeles.

SETTLEMENT WITH CONTRACTORS ON THE SAN GABRIEL DAM

A settlement with the contractors on the San Gabriel dam, construction of which was abandoned when the state engineer refused to approve the erection of a high masonry structure at the Forks site because of unsatisfactory foundation, was voted by the supervisors of the Los Angeles County Flood Control District after terms of a compromise has been accepted by Fisher, Ross, MacDonald & Kahn, Inc., the contractors. Claims aggregating \$4,150,459.20 has been filed by the contractors. The supervisors agreed to pay them \$830,765.90 in addition to \$1,831,312.60 already drawn by them under the terms of their contract.

The \$830,765.90 to be paid by the county comprises the following items: Due contractors for yardage excavated, \$244,463.70; due contractors on account of 10 per cent hold-back, \$203,479.20; force account, tunnel work, \$8044; standby charge, \$232,000; equipment to be bought by county, \$92,779.

The claims filed by the contractors, aggregating \$4,150,459.20, comprise the following items:

For excavation, 92,000 yds. at \$2.95 per yd., \$271,400.

For the 10 per cent "hold-back" of excavation work already paid for, \$203,479.

Damage occasioned by delays due to orders of the board of supervisors, 48 days at \$5000 a day, and 30 days at \$4000 a day, \$360,000.

For uncompleted excavation work, which is 60 per cent completed, 104,000 cu. yds., at \$1.77 per cu. yd., \$184,050.

For profit contractors would have made had not the contract been canceled, not included in previous figures, \$3,271,500.

The county counsel advised the supervisors not to pay the last two mentioned claims. According to Asa V. Call, attorney for the contractors, they were willing to take a nominal profit rather than delay settlement in the courts and tie up the project for a long period.

E. C. Eaton, chief engineer of the Flood Control District, stated about \$20,419,000 of the \$25,000,000 bond issue voted to build the dam remains. In addition to the amounts paid to the contractors, the county spent out of the fund \$900,000 for construction of a railroad from Azusa to the dam site, \$700,000 for preliminary surveys and rights-of-way, \$150,000 for removing the road above the elevation of the dam, and \$150,000 for building the construction camp.

Settlement of the San Gabriel dam claims will leave the supervisors free to develop some new plan for flood control in the San Gabriel. A low rock-filled dam may be built at the Forks site and smaller dams at other points in the canyon.

ANNUAL REPORT OF SMITHSONIAN INSTITUTE ISSUED

The annual report of the Board of Regents of The Smithsonian Institution for the year has been published in one volume of 763 pages. This volume contains a detailed account of all activities of the institute during the year and the important data included is augmented by a large number of charts and photographs. The book is published by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., and is available at \$2 per copy.

ALONG THE LINE

Water Rights Committee of the Long Beach Chamber of Commerce is considering the advisability of placing before the voters a \$4,460,000 bond issue to finance a program of expansion for the city's water resources and system.

J. R. West, chief engineer of the Port of Seattle, has been elected president of the Western Washington Section of the American Society of Civil Engineers.

Accident insurance to the amount of \$1,000 for every paid-up member was put into effect January 1 by the American Association of Engineers.

Col. John H. Dumont, one of the builders of the Brooklyn Bridge, a charter member of the American Association of Mining Engineers, and discoverer of a number of famous mines, died in Denver, Colo., aged 98, as the result of a stroke of apoplexy suffered five years ago.

Washington Electric Co. has been granted a license by the Federal Power Commission to commence construction on a hydro-electric project on the Columbia river, to develop ultimately 210,000 horsepower, at an estimated cost of \$19,250,000.

STEEL OUTPUT INCREASED

Average operations in Youngstown this week will be 77 per cent against 75 per cent last week, with 41 open hearth furnaces of independents active out of 51 as against 40 during last week. Sheet production declines 5 per cent to 80 per cent, while strip production rises.

Republic Iron & Steel Company operations will decline slightly due to change of schedule in sheet department, but company's steel ingot production will gain. Operations of Republic will be at 78 per cent against 80 per cent last week.

General Fireproofing Company continues at 90 per cent this week, the same level as a year ago. January output equaled output in same month last year. Sharon Steel Hoop Company operations will rise to 88 per cent, an advance of 13 per cent over last week. Strip production of company will be 100 per cent. Ingot production will be 80 per cent and sheet production 10 per cent, according to company officials.

MATERIAL DEALERS TO ESTABLISH BUILDING CREDIT BUREAUS

Officials of the Material Dealers' Credit Bureau of Chicago have announced that a definite plan for the establishment of credit bureaus covering all construction activity in that city will be put into effect in the immediate future. With the purpose of establishing uniform credit policies in all branches of the supply business, the material dealers of the district expect that by cooperation between the various elements a working system of sound credit will result.

Contractors in the district, according to statements issued by the Material Dealers' Credit Bureau, are unanimously back of the movement, and it is expected that membership in the credit bureau will be soon a requisite for any successful supply business.

TRADE NOTES

Construction has been started on a new plant in Sonoma St. near Florida St., Vallejo, for the Monarch Sheet Metal Works. The present plant is located at 1021 Sonoma St., and is operated by Herman Strelchan.

T. S. Walker, resident manager of the Red River Lumber Co. at Susanville, Calif., denies reports current in construction circles that the company proposes to sell its Susanville plant. The plant will continue to operate at capacity, Walker announces.

Delta Building Material Company will commence operations in Pittsburg, Contra Costa County, February 15, it is announced by C. H. Hawxwell, general manager of the company.

Robert L. Foster, formerly with William H. Cusick, 1386 Sutter Street, is now associated with W. D. McCann, interior decorators, 404 Post St., San Francisco.

The Detroit Steel Products Company of Detroit, Michigan, makers of Fenestra steel windows, has purchased Holorib Incorporated of Cleveland, Ohio, including all manufacturing rights and patents to its product, the Holorib insulated Roof Deck. The entire Holorib personnel will continue intact, the operations of the company being considerably extended through the nation wide Fenestra sales and service organization. Through the purchase of Holorib, The Detroit Steel Products gains a product closely allied to its industrial steel windows and one which is sold through the same channels to the same market.

Sales and service departments of the De Walt Products Corp., with main offices in Leola, Penn., have been opened at 1212 Mission street, San Francisco, where the company will market the De Walt wood-worker, metal cutter, marble cutter and cut-off saw. The company also manufactures a complete line of De Walt machinery for every wood working purpose. Oakland offices are maintained at 4926 East Twelfth street.

Cork Insulation Co., Inc., manufacturers of corkboard for cold storage installation, acoustical treatment, cork pipe covering, etc., with factory and headquarters in Wilmington, Delaware, has located a branch office and warehouse at 354 Pine St., San Francisco. Stock is carried in San Francisco for distribution throughout Northern California.

Within ninety days, the Western Clay Products Company will occupy a new plant at Niles, Alameda County, it is announced by H. R. Beegle, one of the organizers of the American Face Brick Association, who will be in charge of the new plant. The Western Clay Products Co. recently took over the entire properties and business of the Californita Pottery Co., which concern operated in Oakland for the past fifty-six years. Associated with Mr. Beegle in the new company, in addition to the personnel of the Californita Pottery Company, are Robert W. Morrison of New York, treasurer, and L. R. Hanson of Salt Lake City, sales manager.

HERE — THERE — EVERYWHERE

A drive for new members has been started by the Builders' Exchange of Contra Costa County with headquarters in Richmond, according to W. A. Brown, Secretary of the organization. A. H. Winchecole, C. V. Mero and Fred Hosking have been named as a committee to conduct the drive.

Burlingame, Calif., city council is considering a petition presented by Local No. 4, United Association of Plumbers & Steam Fitters, asking that the city draft an ordinance governing the installation of gas appliances. The petition has been referred to the city attorney for report.

Support to the Community Chest to the extent of \$100 was voted at the last regular meeting of the Stockton Builders' Exchange, which organization has pledged the active assistance of its membership in the drive for funds.

Al Lassiter, journeyman electrician, A. A. Syvertsen, contracting electrician and Mayor Smith, have been named by the Marysville city council to act as an examining board under a new ordinance to regulate electrical wiring installations. The ordinance provides for licensing electricians after they have passed the examining board's tests.

Robert Hutton of Los Angeles, state secretary of the Master Plumbers' Association, was a recent visitor to Sacramento to complete preliminaries in connection with the state convention of that body in the capitol city next May.

Modesto, Calif., city council has adopted an ordinance pertaining to the storage of X-ray and other films. The measure provides drastic regulations and is aimed to prevent possible re-occurrences of tragedies like those which took heavy tolls of life during the past year.

HOLLOW BUILDING TILES BEING SIMPLIFIED

Periodic surveys of production are conducted by the various standing committees of affected simplified practice recommendations, through the co-operation of the Division of Simplified Practice, U. S. Department of Commerce, to determine the degree of adherence which the industries are according simplified practice.

One such survey recently conducted by the standing committee for simplified practice recommendation No. 12, Hollow Building Tile, indicated that 89.54 per cent of the 1928 production of hollow building tile conformed to the items listed in the recommendation. This simplification, which reduced the variety in sizes and styles of this commodity from 35 to 20, was originally developed by the industry in 1924.

Many constructive suggestions as to the possible strengthening of the recommendation were also received. This comment is to be given full consideration by the members of the standing committee of the recommendation at the next revision meeting, says the Commercial Standards Monthly.

INTERPRETATIONS OF CONTRACTORS' LICENSE LAW

The following interpretations of the California Contractors' License Law by James F. Collins, director of the State Department of Professional and Vocational Standards, is of interest to manufacturers and dealers in electric refrigerators, linoleum and shades:

(1) Electric Refrigerators—Where electric refrigerators are installed in a building as a part of the contract for the completed building, and the refrigerator is a part of the plans, there is no question in the mind of the Registrar but that the refrigerator contractor would require a license. If a dealer sells the refrigerators to the contractor who installs them, the dealer would not require a license. If a dealer sells the refrigerator for a price installed in the building, we would require him to have a license.

(2) Linoleum, Dealer and Installation. The same condition holds true for this item as for that stated above for electric refrigerators, with the added statement that an operator who assumes responsibility for payrolls, compensation insurance, safety laws and material bills is considered a contractor within the meaning of the law by the Registrar of Contractors.

(3) Shades. The same conditions as referred to in the two preceding paragraphs hold good for firms selling and installing shades.

EXTRA HEAVY-DUTY CUTTING EQUIPMENT

An now portable sawing equipment is available for cross cutting and dading 12x12 to 12x20 timber right on the job. The DeWalt Products Corporation, Lancaster, Pa., announce the development of extra heavy-duty cutting equipment, incorporating the same principle of direct-driven, balanced, guided power, and east in operation that is found in the DeWalt Contractors' Saw and "Wonder-Worker."

Instead of a two-man saw in cutting heavy timbers, this job is now handled by one man feeding the saw through the material on the DeWalt heavy-duty saw with a hand ratchet gear feed or by chain feed on the arm of the machine. This arm may be raised or lowered to depth of cut and saw blades up to 36" are provided to handle 12x20" material or a 16" dado head may be used to dado up to 3". The saw blade operates at 1750 RPM and is direct-driven by motor operating on either 2 or 3 phase current in 220 to 500 volts. Two models are supplied in this heavy cutting equipment, the Model L and the Model T, the capacity of the L being 12x12" material while the capacity of the Model T is 12x20". The Model T is mounted on all metal table, equipped with all steel conveyor rollers for easy handling of heavy material. The elevating device is operated by wheel in front of the table which gives rapid elevation and ease in operation.

Art Alliance of America, 65 East 56th St., New York City, announces a competition for a design for a weather vane. Prizes will be offered by the Carrier Engineering Corporation, which organization proposes to erect a large weather vane and a Neon Light aviation beacon on top of the tank. Designs will be received between March 14th and 18th at which time the competition closes. Entry blanks and additional data is obtainable from the Art Alliance at New York.

PROGRAM ANNOUNCED FOR 19th ANNUAL CONVENTION OF NAT'L ASS'N OF BUILDERS' EXCHANGES

Between 400 and 500 Delegates From All Sections of the United States Will Attend Convention—Sessions at Palace Hotel—Topics of Importance to be Discussed—Prominent Speakers Are Programmed—Elaborate Entertainment Features.

BY THE OBSERVER

Discussion of matters of vital interest to the construction industry, trips to industrial plants in the San Francisco Bay District, a Western dinner in the wide open spaces of Contra Costa County, a trip through the Redwoods of Santa Cruz County, an excursion on San Francisco Bay, an Italian dinner at Princeton-by-the-Sea, a golf tournament, a theatre party, smokers, and a banquet in the Gold Ball Room of the Palace Hotel.

Such is the program arranged for the Nineteenth Annual Convention of the National Association of Builders' Exchanges to be held in San Francisco, February 10, 11, 12 and 13. Headquarters will be maintained at the Palace Hotel, where all business sessions will be held.

"This convention will be the biggest and best gathering of building contractors and material dealers ever held on the Pacific Coast," according to William H. George, president of the San Francisco Builders' Exchange and chairman of the committee in charge of arrangements for the convention. "Between 400 and 500 delegates from all sections of the United States will gather for this annual house warming of the building fraternity to discuss problems of vital importance to the building interests."

Topics for Discussion

"The irresponsible contractor, the quantity survey, safety measures, industrial education, loose credits, re-forestation, construction costs, licensing of contractors, accident prevention and other subjects will be among the more important topics up for discussion," George announces.

Mayor James Rolph will open the convention with an address of welcome on behalf of the city of San Francisco. George W. Kelham, San Francisco architect, will respond in behalf of the construction industry.

Noted Speakers

A feature of the opening business session will be an address by James F. Collins, director of the California State Department of Professional and Vocational Standards on the licensing of contractors.

Will J. French, director of the California State Department of Industrial Relations, will deliver an address on "A National Safety Code."

Perry Sawyer, a director of the Los Angeles Builders' Exchange, will talk on "Loose Credits."

J. W. Morin, attorney of Pasadena, will address the convention on "The Construction Industry and What It Contributes to the Nation's Wealth Each Year."

Earl F. Stokes, executive secretary of the National Association, will tell of the relation of the local builders' exchange and its work in the field.

"February 10, 11, 12 and 13, convention days, will be red letter days for the building industry," says George. "From the president of the United States down, the Federal, State and Municipal governments are looking to all interests to further a big construction program to relieve the business depression caused by the break in the stock market. This convention will enable the construction interests to prepare for the flow of business which is bound to follow as a result of the President's conference which resulted in the disclosure of what the year 1930 holds for the building industry. Business methods which have hampered the building business in the past will be discussed to bring about better conditions for the prospective builder, architect, contractor, sub-contractor and material dealer."

Scheduled Program

The following is the tentative program as prepared by Mr. George, subject to only minor changes, if any:

MONDAY, FEBRUARY 10th.

All sessions begin at 9:30 A. M. and adjourn at 1 P. M.

9:30 A. M., Registration opposite Concert Room, Palace Hotel.

10:30 A. M., Board of Control meets in Room 2024, Palace Hotel.

10:30 A. M., Secretaries Conference meets in Room 2026, Palace Hotel.

Secretaries' Conference—Round Table Discussion

Under the direction of Clarence L. Ebbert, Chairman, Reading, Pa.

Subjects to be discussed: Duplication of Organization in the Building Industry; Commercial Arbitration as Applied to the Building Industry; Lack of Wisdom in the Low Bid; Good-Will Week; Rebuilding America.

12:30 P. M., Board of Control, Secretaries' Conference Members and Directors of the San Francisco Builders' Exchange get acquainted luncheon, French Parlor, Palace Hotel.

2:30 P. M., Joint meeting Open Forum, Members of the Board of Control,

Members of Secretaries' Conference, and visitors from non-affiliated exchanges. Concert Room, Palace Hotel.

Evening Entertainment

7:30 P. M., Ladies' Theatre Party. Gather in French Parlor, Palace Hotel and meet Reception Committee of ladies from San Francisco Builders' Exchange.

8:00 P. M., Gentlemen, Smoker at Builders' Exchange rooms, 666 Mission St.

TUESDAY, FEBRUARY 11th.

Registered members of non-affiliated exchanges welcome at all sessions.

9:30 A. M., Business session, Concert Room, Palace Hotel. Ladies are urged to attend this business session. Convention called to order by President W. H. George, of the San Francisco Exchange. Invocation by Rev. W. K. Guthrie, D. D. Song, "America" by the assembly, led by Song Leader E. H. Brown, Secretary, Oma-

ha Builders' Exchange. Address of Welcome, by Hon. James Rolph, Jr., Mayor of San Francisco. Address of Welcome on behalf of Construction Industry, by Hon. Geo. W. Kelham, Architect, San Francisco. Introduction of the Officers of the National Association of Builders' Exchanges, by W. H. George, President Builders' Exchange of San Francisco. Mr. George turns meeting over to Mr. Sam Hotchkiss of St. Joseph, Mo., President of the National Association of Builders' Exchanges. Response to Addresses of Welcome by David T. Riffe, Pittsburgh, Pa., Past President National Association of Builders' Exchanges. Address, Clarence Colman, Esq. Recess, 5 minutes. Announcement of Convention committees. Reading of Minutes of last meeting. Presentation of Resolutions. President's Message, Mr. Sam Hotchkiss, St. Joseph, Mo. Address, Executive Secretary of Contractors, by James F. Collins, Director, Department of Professional and Vocational Standards, State of California. Report of Executive Committee, by Earl F. Stokes, Executive Secretary, Washington, D. C. Report of Board of Control, by Earl F. Stokes, Executive Secretary, Washington, D. C. Report of the Treasurer, Mr. Max Baumann, New York City. Report of the Executive Office, by Earl F. Stokes, Executive Secretary, Washington, D. C. Report of the Finance Committee, by W. H. George, Chairman, San Francisco. Report of the Committee on Accident Prevention, by Mr. Wm. Tubising, Chairman, Milwaukee, Wis. Discussion by Delegates. Report of Committee on Cost Data, T. W. Dodd, Chairman, St. Joseph, Mo. Discussion of Subject by Delegates. Presentation of Resolutions. Adjournment.

2:00 P. M., Trip to Contra Costa County, visiting Johns-Manville Inc. of California, at Pittsburg, California, with Western dinner at plant of Cowell Portland Cement Co., Cowell, California, returning to Palace Hotel during evening.

WEDNESDAY, FEBRUARY 12th.

9:30 A. M., Business session, Concert Room, Palace Hotel. C. C. Choffin, Third Vice-President, presiding. Report of Committee on Ways and Means. David T. Riffe, Chairman, Pittsburgh, Pa. Discussion of subject by delegates. Report of Auditing Committee, W. H. George, Chairman, San Francisco. Report of Committee, Quantity Survey, John A. Dahman, Chairman, Milwaukee, Wis. Discussion of subject by delegates. Report of Committee on Legislation, Earl F. Stokes, Executive Secretary, Washington, D. C. Discussion of subject by delegates. Report of Committee, Standard Documents, C. G. Norman, Chairman, New York City. Discussion of subject by delegates. Address, A. National Safety Code, Will J. French, Director, Department of Industrial Relations, Division of Industrial Accidents and Safety, State of California, San Francisco. Report of Committee, Industrial Education, L. H. Rothrauff, Chairman, Reading, Pa. Discussion of subject by delegates. Recess, 3 minutes. Presentation of Resolutions. Election of Officers. Report of Committee on Depreciation Studies, Wm. F. Chew, Chairman, Baltimore, Md. Address, Loose Credits, Perry Sawyer, Director, Los Angeles Builders' Exchange. Adjournment.

2:00 P. M., Trip to the Redwoods and Italian dinner at Princeton by the Sea, on the Pacific Ocean, returning to San Francisco sometime during the night.

THURSDAY, FEBRUARY 13th.

9:30 A. M., Business session, Concert Room, Palace Hotel. Mr. Sam Hotchkiss, President, presiding. Presentation of Resolutions. Report of Committee on Inter-Relations. Grant Parsons, Chairman, Omaha, Neb. Dis-

cussion of subject by delegates. Report of Committee on Re-Forestation, Wm. M. Friederich, Chairman, Rochester, N. Y. Discussion of subject by delegates. Address, The Construction Industry and What It Contributes to the Nation's Wealth. Each Year, J. W. Morin, attorney-at-law, Pasadena, Calif. Report of Committee, Building and Housing, Wm. F. Chew, Chairman, Baltimore, Md. Discussion of subject by delegates. Address, Your National Association, Its Relation to the Local Exchange, and Its Work in the Field, by Earl E. Stokes, Executive Secretary, Washington, D. C. Unfinished business. Report of Committee on Resolutions. New business. Selection of next convention city. Introduction of new officers. Announcement of Board appointments. Announcement of standing and special committees. Announcement of zone directors and state commissioners. Adjournment. Board of Control convenes immediately after adjournment and all members of the Board are urged to attend, as there are matters of importance to transact and settle at this meeting.

2:00 P. M., Boat ride around scenic San Francisco Bay.

6:30 P. M., Grand banquet Gold Ball Room, Palace Hotel. Presentation of Reisinger Trophy to the member exchange having largest number registered delegates. Presentation of checks to the two secretaries who secured the greatest number of ads. for the program.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission St., Phone KEarny 1252.

D-3379—Representation. Milwaukee, Wis. Concern anxious to correspond with several agents with a view toward making an agency connection, for sand blast and dust suppression equipment such as used in foundries, wholesale and retail granite shops, etc.

D-3380—Representation. Kansas City, Mo. Large exclusive manufacturer of hotel and restaurant checks is desirous of securing representation in this territory.

D-3381—Manufacturers and Distributors. Bend, Oregon. Distributor desirous of contracting manufacturers or large distributors who have products to merchandise and which can be readily sold in Bend, Oregon. Party has office, automobile, trucks and office personnel, will pay own expenses and sell to approved credit accounts only.

17093—Wire and Wire Rope. Hamburg, Germany. Company wants to make a connection with an importer of wire and wire ropes of steel, iron, copper, aluminum, etc.

17099—Japanese Merchandise. Yokohama, Japan. Firm wishes to make a connection with an importer of aluminum ware, baby ware, basket ware, beads and necklaces, bronze and cloisonne ware, brush ware, carpets and rugs, celluloid articles, damascene ware, electrical goods, enameled ware, feathers, glass ware, lacquered ware, lanterns.

18000—Push Rugs, Furniture, Etc. Lubbock, Texas. Party is interested in having some importer of Japanese rush rugs, furniture, wall decorations, posters, etc., send him descriptive material.

18002—Representation. Mexico, D. F. Spaniard, aged 30, with four years' experience in Europe and seven in Latin American countries wishes to

represent American factories in Central and South America.

18005—Representation. San Francisco, Calif. San Francisco man leaving for a six- or seven-month stay in Europe is prepared to act for account of San Francisco firms doing business there. Excellent references.

D-3375—Patent. New York City. Party interested in disposing of patent for safety tank filling device for boats of any kind. Some advertising already done and the device quickly sells itself.

D-3376—Lumber. Aberdeen, Wash. Party desirous of securing market for green alder and maple lumber with shipment to San Francisco from Port Dock by steamer. Can furnish 10,000 ft. per day.

D-3377—Distribution. Cincinnati, O. Concern in position to give national distribution at minimum cost to item that would come under the classification of household or kitchen utility, or novelty, either for the house or individual.

D-3378—Representation. Chicago, Ill. Company desires to secure the representation in the central and central western states of products sold thru the wholesale channels. Prepared to furnish complete data as to their responsibility, etc.

LABOR RESTRICTIONS ON PUBLIC WORK CONSIDERED

Attempts that have been made during the past years to restrict the employment of labor on Federal building projects to the communities in which the building work is being done are being renewed in the present session of Congress, according to Faul Wootton, Washington correspondent of Engineering News-Record (New York). A bill has been introduced by Representative Bacon, of New York, to require contractors and sub-contractors engaged in public works of the national government to give certain preferences in the employment of labor. Some of the Senators from Mid-Western states are known to be contemplating the introduction of similar measures. Under the terms of the Bacon bill contractors engaged in public works would be compelled to give preference in the employment of labor in the following order: to citizens of the United States and of the state or district in which the work is to be performed, who have been honorably discharged from military service; to citizens of the United States who are bona fide residents of the state or district in which the work is to be performed; and to citizens of the United States.

Those interested in the construction industry regard this measure as another attempt to enact general legislation to remedy a particular situation. In several cases contractors from remote sections have gone into highly competitive fields and have taken public-works contracts away from local concerns that have to meet more rigid regulation. It is believed, however, that the contractors can meet the situation through their own agencies and render unnecessary further restrictive legislation.

In response to a demand from schools and colleges for typical specimens of the commercial woods of the United States, the National Lumber Manufacturers Association has provided 500 sets, each containing finished blocks typical in grain and texture, of 40 different species of woods. The sets will be distributed to institutions that are likely to make the best educational use of them, at cost of production.

Building News Section

APARTMENTS

Structural Steel and Grading Contracts Awarded.

APARTMENTS Cost, \$200,000
SAN FRANCISCO. SE O'Farrell and Franklin Streets.

Six-story steel frame and reinforced concrete Class C apartment building (42 2 and 3-room apts.)

Owner and Builder—C. S. Hoffman, 1541 Howard St., San Francisco.

Structural Steel—Golden Gate Iron Works, 1541 Howard St., S. F.

Grading—G. Bianchini, 750 Silver Ave., San Francisco.

Sub-bids are wanted on all other branches of the work.

Owner Taking Bids.
APARTMENTS Cost, \$—
STOCKTON, San Joaquin Co., Cal. Location Withheld.

Three-story frame apartments with concrete and brick garage.

Owner—Arthur Hollenbeck, 325 E. Acacia St., Stockton.

Architect—H. G. Bissell, 421 E. Miner St., Stockton.

To Be Done By Day's Work.
APARTMENTS Cost, \$50,000
OAKLAND, Alameda Co., Cal. E 8th Ave. NE 24th St.

Three-story 45-room frame and stucco apartment building.

Owner and Builder—Harry A. Schuster, 2424 Curtis St., Oakland.

Architect—C. N. Burrell, American Bank Bldg., Oakland.

Completing Plans.
APARTMENTS Cost, \$170,000
OAKLAND, Alameda Co., Calif. 286 Lennox Ave.

Six-story and basement steel frame and concrete apt. bldg. (36 2-3 and 4-room apts.; 103 rooms).

Owner and Builder—Albert Kroll, 3112 Deakin St., Oakland.

Architect—Willis Lowe, 354 Hobart St., Oakland.

Architect will take sub-bids within a few days.

Contract Awarded.
APARTMENTS Cost, \$80,000
OAKLAND, Alameda Co., Calif. NW Avenal Av. and Bond St.

Three-story frame and stucco apartment building (78 rooms) and 1-story tile garage.

Owner—L. B. Magoon, 1967 Courtland Ave., Oakland.

Architect—None.
Contractor—P. J. Hazen, 237 Bellevue Drive, San Leandro.

Sub-Bids Being Taken.
APARTMENTS Cost, \$60,000
SAN FRANCISCO. Nineteenth Ave. near Lake St.

Three-story and basement frame and stucco apartment building (12 4-room apts.)

Owner and Builder—H. O. Lindeman, 619 27th Ave., San Francisco.

Architect—Irvine & Ebbets, Call Bldg., San Francisco.

Sub-Bids Wanted.
APARTMENTS Cost, \$170,000
OAKLAND, Alameda Co., Cal. No. 286 Lennox Avenue.

Six-story and basement steel frame and concrete apartment building (30 2, 3 and 4-room apts.; 103 rooms).

Owner and Builder—Albert Kroll, 3112 Deakin St., Oakland.

Architect—Willis Lowe, 354 Hobart St., Oakland.

Structural Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.

Sub-bids are being taken on all other portions of the work by the architect.

Preparing Working Drawings.
APARTMENTS Cost, \$350,000
BERKELEY, Alameda Co., Cal. Sacramento St. and University Ave.

Five-story Class A and C apartment building (brick, terra cotta and steel frame construction).

Owner—Davis Pearce Co., Grant and Weber Sts., Stockton.

Architect and Builder—Davis-Pearce Co., Grant and Weber Sts., Stockton.

Will contain ninety two and three-room apartments, six stores and garage.

Sub-Figures Being Taken.
APARTMENTS Cost, \$40,000
ANTIOCH, Contra Costa Co., Calif. Seventh and H Sts.

Two-story and basement frame and stucco apt. (two 5-room, five 4-room and two 2-room apts.; Spanish type).

Owner—Capt. and Mrs. George Irvine, Oakland.

Architect—Hugh White, Syndicate Bldg., Oakland.

Contractor—F. W. Peters, 163 Ridgeway, Oakland.

Plans Being Prepared.
APARTMENTS Cost, \$75,000
SAN FRANCISCO. Cervantes & Scott Streets.

Three-story and basement frame and stucco apartments with tile roof (18 3- and 4-room apts.)

Owner and Builder—Ben. Lieberman, Scott and Prado Sts.

Architect—Irvine & Ebbets, Call Bldg.

Will contain all modern conveniences, including steam heat, hot water system, etc.; sub-bids will be taken in two weeks.

Owner Taking Segregated Bids.
APARTMENTS Cost, \$—
SAN FRANCISCO. SW California and Octavia Streets.

Six-story Class C steel frame and brick apartment building (42 3, 4 and 6-room apts.)

A Demonstration of the SKILSAW PORTABLE ELECTRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS
ELECTRIC DRILLS
GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric Tools.

1222 Mission St. Underhill
San Francisco 1267

Owner and Builder—Herman Hogrefe, 140 Greenwich St., San Francisco.
Architect—E. E. Young, 2002 California St., San Francisco.

Bids arc wanted on all branches of the work.

Preliminary Plans Completed.
APARTMENTS Cost, \$1,500,000
PHOENIX, Arizona. Washington St., bet. Seventh and Eighth Sts.

Thirteen-story and basement Class A reinforced concrete apartment hotel, 304 rooms, etc. (300x250 ft.)

Owner—Maude J. Kay.

Architect—Harrison B. Traver, Union Insurance Bldg., Los Angeles.

BONDS

Bond Election Planned.
SCHOOL Cost, \$119,900
SAN DIMAS, Los Angeles Co., Cal. Grammar school.

Owner—San Dimas Grammar School District.

Architect—Train & Cressey, Western Mutual Life Bldg., Los Angeles.

SUNNYVALE, Santa Clara Co., Cal.—Election will be held February 25 in Sunnyvale Grammar School District to vote bonds of \$25,000 to finance school improvements.

COLUSA, Colusa Co., Cal.—Trustees of Grimes Grammar School District will set date shortly for election to vote bonds of \$45,000 to finance erection of a new grammar school. Preliminary plans for the structure have been completed by Architect W. H. Weeks, 111 Sutter St., San Francisco.

PALO ALTO, Santa Clara Co., Cal.—Elementary School Board has postponed indefinitely the proposed election to vote bonds of \$300,000 to finance the erection of new schools and additions and alterations to standing structures, until "public sentiment has crystallized more definitely."

Bond Election.
Bond Election.
SCHOOLS Cost, \$200,000
PRESCOTT, Arizona.

Additional schools.

Owner—Prescott Board of Education, Dr. Frank W. Boville, President.

Architect—Not Selected.

WILLIAMS, Colusa Co., Cal.—Trustees of the Williams Union Grammar School District will call election for February 24 to vote bonds of \$105,000 to finance erection of a new grammar school.

MARYSVILLE, Yuba Co., Cal.—Mayor Dan E. Bryant recommends election to vote bonds to finance erection of a new city hall to replace structure erected nearly seventy years ago. If a bond issue is not called to finance these project, a direct tax levy is recommended.

COLUSA, Colusa Co., Cal.—Election will be held February 25 in Grand Island Union Grammar School District to vote bonds of \$45,000 to finance erection of a new grammar school. Trustees of the district are: Charles J. Froh, B. C. Goding, H. H. Baldson, R. E. Hill and A. A. Thayer.

ANTIOCH, Contra Costa Co., Cal.—Petitions are being circulated by the Antioch-Live Oak Parent Teacher Association requesting an election to vote bonds to finance erection of a new school and additions to standing buildings.

CHURCHES

FRESNO, Fresno Co., Cal.—Westminster Presbyterian Church granted building permit to repair fire damage to edifice at Grant and Abby Streets; estimated cost \$10,000. New roofing and new equipment are included in the repairs.

Construction Started.
CHURCH Cost, \$25,000
BERKELEY, Alameda Co., Cal. 2020 Ashby Avenue.
One-story frame church with brick and stucco exterior.
Owner—Organized Church of Jesus Christ of Latter Day Saints.
Architect and Builder—Ed. R. Beebe, 2109 Shattuck Ave., Berkeley.

Planned.
CHURCH Cost, \$16,000
WASCO, Kern Co., Cal.
Frame and stucco church (72x104 ft.)
Owner—Congregational Church, H. D. Grundt, chairman.
Architect—Not Selected.

Completing Plans.
CHURCH Cost, \$110,000
HUNTINGTON PARK, Los Angeles Co., Cal. Rita and Clarendon Sts.
Reinforced concrete church (110x50 feet).
Owner—First Baptist Church.
Architect—Harold Cross, 387 I. W. Hellman Bldg., Los Angeles.

FACTORIES AND WAREHOUSES

Sub-Contracts Awarded.
REBUILD Cost, \$30,000
SAN FRANCISCO. NW First and Clementina Sts.
Rebuild second and third floors of present building, recently destroyed by fire.
Owner—H. J. Sadler, 982 15th Street, Oakland.
Architect—F. H. Meyer, 525 Market Street.

Contractor—Barrett & Hilp, 918 Harrison St.
Plumbing—Frank Klimm, 456 Ellis St.
Sheet Metal—Gulifloy Cornice Works, 1234 Howard St.
Glass—Tyre Bros., 666 Townsend St.
Roofing—E. W. Wright, 130 Vermont Street.
Mill Work—Empire Planing Mill, 750 Bryant St.
As previously reported, lumber awarded to Rolando Lbr. Co., 301 Berry St.

TORRANCE, Los Angeles Co., Cal.—United States Steel Corporation has formally taken over the Columbia Steel Corporation property and, it is reported, will announce a large expansion program for the Torrance plant within a short time.

Construction Started.
CREAMERY Cost, \$150,000
WASCO, Kern Co., Cal.
Three-story reinforced concrete creamery.
Owner—Wasco Creamery, H. G. Hill, President.
Architect—O. E. Weldman, Wasco.

OAKLAND, Cal.—Until Feb. 10, 4:30 P. M., bids will be received by City Port Commission, 424 Oakland Bank Bldg., Oakland, for electric wiring in transit shed No. 2, Outer Harbor Terminal.

Plans Being Figured—Bids Close Mar. 4, 2 P. M.
MFG. PLANT Cost, \$25,000
OAKLAND, Alameda Co., Cal. Blind Home.
One-story and balcony broom manufacturing plant (reinforced concrete walls, wood frame and tile roof).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Contract Awarded.
ADDITIONS Cost, \$—
BERKELEY, Alameda Co., Cal.
Fourth and Cedar Sts.
Additions to present plant and complete construction of spur track, etc.
Owner—Pacific Paint & Varnish Co., Premises.
Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco

Plans Being Revised.
WAREHOUSE Cost, \$25,000
SUNNYVALE, Santa Clara Co., Cal.
Reconstruct present one-story wood frame warehouse (concrete floors).
Owner—Libby, McNeill & Libby, Merchants' Exchange Bldg., S. F.
Architect—Eng. Dept. of Owner.
New bids will be called for shortly.

SAN FRANCISCO—Packing plant of J. G. Johnson Packing Co., Arthur and Third Sts., suffered a fire loss estimated at \$100,000.

Sub-Contracts Awarded.
CANNERY Total Cost, \$300,000
Including equipment
RICHMOND, Contra Costa Co., Cal.
Bet. 10th and 14th Sts., N of Ford factory site.
One-story concrete cannery building.
Owner—Filice & Perrelli, Gilroy.
Architect—Wm. Knowles, 1214 Webster St., Oakland.
Contractor—Chas. Stockholm & Son, Russ Bldg., San Francisco.
Reinforcing Steel—Soule Steel Co., Rialto Bldg., San Francisco.
Plumbing—Feary & Moll, 1075 40th St., Oakland.
Lumber—Tilden Lumber Co., 1291 Delaware St., Oakland.

FRESNO, Fresno Co., Cal.—Absorption Plant of Petroleum Securities Co., 18 miles southwest of Coalinga suffered a \$500,000 fire loss Jan. 30.

SAN FRANCISCO—Garage, offices and a portion of the main plant of J. G. Johnson Co. destroyed by fire Jan. 30 with a loss of \$100,000, including dressed meats, 12 motor trucks and buildings.

FRESNO, Fresno Co., Cal.—Absorption plant of the Petroleum Securities Co., in the Kettleman Hills district, was destroyed by fire with a loss of \$500,000 including equipment.

KLAMATH FALLS, Ore.—Plant of Arvin Frame Manufacturing Co. destroyed by fire Jan. 30. Loss is estimated at \$30,000, partially covered by insurance.

LOS GALLINAS, Marin Co., Calif.—Barn building on Smith Bros. ranch at Los Gallinas, south of St. Vincent's Orphanage, destroyed by fire Jan. 30. Loss is placed at \$20,000, including contents.

EUGENE, Ore.—Joseph H. Koke, and P. J. Lamoureux, both of Portland, have completed organization of a company to finance construction of a \$500,000 pulp paper mill at the west section of the city limits of Eugene on the Southern Pacific "Y" on the Coos Bay branch.

SEATTLE, Wash.—Scherer & Carlson, Terminal Sales Bldg., Seattle, at \$42,920 each (\$171,630) submitted low bid to City Port Commission to erect four two-story transit sheds at Pier No. 40 on the Smith Cover Terminal. Will be heavy timber construction, 90 by 420 ft. Above bid does not include plumbing, heating, wiring, sprinkler system or roofing. Taken under advisement.

Preparing Working Drawings.
BOTTLING PLANT Cost, \$50,000
BURLINGAME, San Mateo Co., Cal.
Two-story reinforced concrete bottling and pasteurizing plant.
Owner—Withheld.
Architect—Wm. H. Toepke, 71 New Montgomery St., San Francisco.

Contract Awarded.
FACTORY Cost, \$75,000
SAN FRANCISCO—Utah St. north of 15th St.
Six-story and basement class B concrete factory (100x100-ft.).
Owner—R. N. Nason & Co., 151 Potrero Ave.
Engineer—C. H. Snyder, 251 Kearny Street.
Contractor—Geo. Wagner, 181 South Park.
Sub-bids will be taken in one week.

Contract Awarded.
ALTERATIONS Cost, \$30,000
BAKERSFIELD, Kern Co., Cal.
Twenty-fourth and Chester Sts.
Alterations and additions to building for tire distributing plant and super-service station (reinforced concrete construction).
Owner—Peerless Tire Co., Bakersfield
Architect—None.
Contractor—Henry Eissler, 305 G St., Bakersfield.

Contract Awarded.
MACHINE SHOP Cost, \$150,000
PASADENA, Los Angeles Co., Cal.
One-story steel frame and concrete machine shop (200x70 ft.)
Owner—California Institute of Technology.
Architect—Bertram G. Goodhue, New York City.
Contractor—W. C. Crowell, 495 S. Broadway, Pasadena.

Permit Applied For.
FACTORY Cost, \$75,000
LOS ANGELES, Cal. No. 2600 Pitt Street.
One-story brick factory (147x240 ft.)
Owner—Liquid Carbonic Corp., 955 Roosevelt Bldg., Los Angeles.
Architect and Contractor—Austin Co. of California, 777 E. Washington St., Los Angeles.

Plans Being Figured—Bids Close Mar. 4th, 2 P. M.
MFG. PLANT Cost, \$25,000
OAKLAND, Alameda Co., Cal. Blind Home.
One-story and balcony broom manufacturing plant (reinforced concrete walls, wood frame and tile roof).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.
See call for bids under official proposal section in this issue.

GARAGES AND SERVICE STATIONS

BURLINGAME, San Mateo Co., Cal.—C. DeSausure has filed application with the city council seeking a permit to erect and maintain a gasoline service station at Edgelyll and El Camino Real. Referred to City Planning Commission for report.

Plans Being Figured.
SERVICE STATION Cost, \$—
PASADENA, Los Angeles Co., Calif.
Union and Delacy Sts.
Concrete and brick tire service station (145x133-ft.)
Owner—Penn Oil & Supply Co.
Architect—Bennett & Haskell, 311 1st Trust Bldg., Pasadena.

PALO ALTO, San Jose and Modesto, Cal.—Firestone Tire & Rubber Co., 2525 Firestone Ave., Los Angeles, through its engineering department is completing plans and will take bids soon for three one-story concrete and brick tire distributing plants and super-service stations to be located at Palo Alto, San Jose and Modesto.

Contract Awarded.
GARAGE Cost, \$25,000
REDWOOD CITY, San Mateo Co., Cal. No. 145 Webster Street.
One-story reinforced concrete garage. Owner—General Properties Co., Inc.
Architect—None.
Contractor—Wells P. Geedenough, 310 University Ave., Palo Alto.

Sub-Bids Wanted.
GARAGE Cost, \$12,500
SAN MATEO, San Mateo Co., Cal.
One-story reinforced concrete garage with truss ceiling.
Owner—Gus Adolphson, 706 N-Claremonth St., San Mateo.

Plans by Russell Coleman, 1404 Broadway, Burlingame.
Contractor—G. W. Williams Co., 1404 Broadway, Burlingame.
Sub-bids are wanted on reinforcing steel and steel roof trusses.

Planned.
STATION Cost, \$—
VALLEJO, Solano County, Calif. SE Florida and Sonoma Sts. (130x50 feet).

Super service station.
Owner—Union Oil Co., Mills Bldg., San Francisco.

Architect—Eng. Dept. of Owner.
Project is in a very preliminary stage and no definite information obtainable at this time.

Plans To Be Prepared.
GARAGE Cost, \$—
PETALUMA, Sonoma Co., Cal. No. 321 Main Street.

Reinforced concrete garage and auto salesroom; repair shop, etc.
Owner—N. K. and J. K. Westertorp, 434 Main St., Petaluma.

Architect—Not Selected.
More definite information will be given shortly.

Plans Being Completed.
GARAGE Cost, \$40,000
SAN JOSE, Santa Clara Co., Cal. Market Street.

Fireproof garage.
Owner—Paul Masson, San Jose.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.

Plans will be ready for bids within ten days.

Planned.
GARAGE Cost, \$100,000
FRESNO, Fresno Co., Cal. Kern St. and Van Ness Ave.

Two-story garage and tire service building.
Owner—Rainbow Realty Co. (Milo Rowell, Arthur Bernhauer, et al.)
Architect—Not Selected.

Plans Being Completed.
WAREHOUSE, ETC. Cost, \$200,000
STOCKTON, San Joaquin Co., Calif. North El Dorado St. and Lindsay.
Brick tire warehouse and super-service station (150x100-ft.)
Owner—Firestone Tire & Rubber Co.

Architect—Chas. McCall, 1404 Franklin St., Oakland.

Will contain modern vulcanizing and tire repair shop, a space for batteries and ignition service, a brake lining and adjusting station, an up-to-date wash and greasing rack and a gasoline and oil station.

Planned.
SERVICE BLDG. Cost, \$—
DELANO, Kern Co., Cal. High St. Bet. 11th and 12th Sts.

One-story concrete and brick automobile service building (50x100 ft.)
Owner and Builder—Fred L. Gribble, Bakersfield.
Architect—None.

Plans Being Completed.
GARAGE Cost, \$40,000
SAN JOSE, Santa Clara Co., Calif. Market and Balbach Sts.

Two-story steel frame and concrete garage.
Owner—Paul Masson, San Jose.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Lessee—Pichetti Bros. & Co., Nash Dealers, San Jose.
Bids will be taken within one week.

CONTRACT AWARDED
GARAGE Cont. Price \$32,237
BERKELEY, Alameda Co., Calif., Oxford and Addison Sts.
One-story Class C steel frame and reinforced concrete garage.
Owner—University of California, Berkeley.
Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley.
Lessee—Langhorne-Thomas Co., 2573 Shattuck Ave., Berkeley.
Contractor—Dyer Constr. Co., Ray Bldg., Oakland.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—Until February 13, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to construct cement floors in basement of Psychopathic Ward No. 62 at Letterman General Hospital. Specifications obtainable from above office.

SAN FRANCISCO.—Until February 11, 10 A. M., under Schedule No. 923-30-195, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver five tinners' furnaces; compression bibbs; brass pipe fittings; c. i. pipe fittings; 5,000 ft. wrought iron pipe; 720 lbs. boiler compound; 4,600 ft. flexible non-metallic conduit; 19,350 ft. copper wire. Further information obtainable from above.

SACRAMENTO, Cal.—Until Feb. 14, 11 A. M., under Order No. 1536-1555, bids will be received by U. S. Engineer Office, California Fruit Bldg., 4th and J Sts., to furnish one motor-generator set, welding set. Further information obtainable from above office.

PALO ALTO, Santa Clara Co., Cal.—Until February 14, 11 A. M., bids will be received by Ernest C. Hunter, Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to erect car washing house. Plans and specifications for this work are on file in the office of DAILY PACIFIC BUILDER and may be inspected by those interested.

RICHMOND, Contra Costa Co., Cal.—Until March 5, 3 P. M., bids will be received by U. S. Engineer Office, Customhouse, San Francisco, for dredging in Richmond Harbor. Specifications obtainable from above office.

LOS ANGELES, Cal.—Supervising Architect's office of the United States Treasury Department announces that local architect will be retained in connection with proposed new Federal Building in Los Angeles. Erection of building is subject to passage of Elliott Bill now pending before Senate.

HAWTHORNE, Nev.—Bids will be asked shortly by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 5908, for chimney to be erected at the Naval Ammunition Depot, Hawthorne. The work consists of a chimney that shall be 4 feet inside diameter at the top by 100 feet high, constructed of reinforced concrete, and shall have a fire brick lining in the lower 70-foot portion, openings for flues, ladder on the outside, cleanout door, and lightning protection. When available, plans and specifications may be obtained from the District Public Works Officer, Room 513, 100 Harrison St., San Francisco, Calif., upon deposit of \$10.00 check or postal money order payable to the Chief of the Bureau of Yards and Docks.

HONOLULU, T. H.—Otis Elevator Co., Washington, D. C., #3864 submitted low bid to Supervising Architect, Treasury Department, Washington, D. C., to furnish and install elevators in Post Office at Honolulu. Other bids: Spencer Elevator Co. San Francisco, \$13,450; Houghton Elevator & Machine Co., Washington, D. C., \$17,463. Taken under advisement.

SACRAMENTO, Cal.—Until March 5, 11 A. M., bids will be received by U. S. Engineer Office, California Fruit Bldg., 4th and J Sts., for suction dredging approximately 1,772,000 cubic yards of material in New York Slough and Suisun Bay. Further information obtainable from above office. Specifications are on file in the office of Daily Pacific Builder, 545-547 Mission St., San Francisco, and may be inspected by those interested.

SAN FRANCISCO.—Until Feb. 13, 10 A. M., bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver under Schedule No. 923-30-195, 4,000 m. ft. lumber, Oregon pine or Douglas fir, in random lengths of 10 ft. up to not exceeding 20-ft., of which 2,000-ft. will be 1-2-in. surfaced one side and 2,000-ft. 2x4-in. surfaced two sides. Further information obtainable from above office.

HAWTHORNE, Nevada.—Until February 13, 10 A. M., bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish hydraulic lifting device for cars, railway trailer, to Naval Ammunition Depot at Hawthorne, Nevada. Proposal blanks are obtainable from Navy Purchasing Officer, 100 Harrison St., San Francisco, or direct from the Bureau at Washington.

SAN DIEGO, Cal.—Until 11 A. M., Feb. 24, bids will be received by the Public Works Officer, 11th Naval District, San Diego, for an electrical system for pier at the Naval Operating Base (supply depot), San Diego. Spec. No. 5396. The work consists of extending existing conduit systems, equipment in pier manholes, five light standards, twenty ship lighting terminals, wire and cables, ground wiring, telephone wire and cable to ship telephone terminals and miscellaneous equipment. Deposit of \$10 for plans. Capt. Geo. A. McKay, public works officer.

HONOLULU, T. H.—As previously reported, N. P. Severin, 222 West Adams St., Chicago, Ill., at \$308,900 submitted low bid to Supervising Architect to remodel and make additions to Post Office at Honolulu. Following is a complete list of the bids received:

N. P. Severin & Co., 222 W. Adams St., Chicago, \$308,900.
Bitulithic Paving & Concrete Co., Ltd., Honolulu, T. H., \$310,764.
Ralph E. Wooley, Honolulu, T. H., \$314,000.

Ames-Will, Ltd., Honolulu, T. H., \$318,000.

R. E. Campbell, Los Angeles, Calif., \$327,650.
Walker & Olund, Ltd., Honolulu, T. H., \$327,994.

Wm. McDonald Constr. Co., St. Louis, Mo., \$341,500.
Robert E. McKee, Los Angeles, \$344,000.

Clinton Constr. Co. of California, San Francisco, \$348,000.
J. L. Chiff, Honolulu, T. H., \$350,000.

Vogt & Davidson, Inc., San Francisco, \$413,734.

SAN FRANCISCO—Until February 11, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for interior painting in Nurses' Dormitory, basement Wards Nos. 7 and 9 and Field Kitchen and Mess at Letterman General Hospital. Specifications obtainable from Constructing Quartermaster.

SAN FRANCISCO—Until February 26, 10 A. M., under Schedule No. 928-30-198, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver miscellaneous office supplies. Specifications obtainable from above on request.

SAN FRANCISCO—Following is a partial list of prospective bidders for the proposed Marine Hospital Additions and Improvements at the San Francisco Presidio, bids for which will be opened February 25 by the Supervising Architect, Treasury Department, Washington, D. C.:

Walter Petersen, Wilkinson Building, Omaha, Neb.

The Turner Co., San Francisco.
Sumner-Sollett Co., 810 W. 6th St., Los Angeles, Calif.

H. C. Doering, Portland, Ore.
Guy F. Atkinson Co., 235 Montgomery St., San Francisco.

Clinton-Stephenson Construction Co., Ltd., Monadnock Building, San Francisco.

Jasper-Stacy Co., 216 Pine St., San Francisco.

Schuler & McDonald, Inc., 1723 Webster St., Oakland, Calif.

Fayette Construction Co., 500 W. Short St., Lexington, Ky.

Los Angeles Construction Co., 4816 W. Lico Blvd., Los Angeles, Calif.

Dinwiddie Construction Co., 160 Sansome St., San Francisco.

Columbia Contracting Co., 2 Lafayette St., New York City.

Mahony Bros., Flood Building, San Francisco.

N. P. Severin Co., 222 W. Adams St., Chicago.

Wm. MacDonald Construction Co., 1311 Syndicate Trust Building, St. Louis.

W. D. Lovell, 1415 8th St., St. E., Minneapolis, Minn.

K. E. Parker Co., 135 South Park St., San Francisco.

James L. McLaughlin Co., 251 Kearny St., San Francisco.

Clinton Construction Co., 923 Folsom St., San Francisco.

C. L. Wold Co., 135 Stevenson St., San Francisco.

R. E. Campbell, 103 W. 6th St., Los Angeles, Calif.

Great Lakes Construction Co., 333 N. Michigan Ave., Chicago.

Robert E. McKee, 1123 Central Building, Los Angeles, Calif.

MacDonald & Kahn, Inc., Financial Center Building, San Francisco.

HALLS AND SOCIETY BUILDINGS

Contemplated.
LODGE BLDG. Cost, \$30,000

SANTA PAULA, Ventura Co., Cal. Not Selected.

Lodge building.
Owner—Masonic Lodge.
Architect—Not Selected.

Building committee composed of Donald Teague, Earl Kelsey, E. Stuart, Robert Fleisher and Arthur Blumenthal.

Contract Awarded.
REMODEL Cost, \$—

SAN JOSE, Santa Clara Co., Calif. Third St. bet. Santa Clara and St. John Sts.

Remodel present lodge hall.
Owner—Slovanian Hall.

Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Contractor—Frank Neves, 891 Harrison St., Santa Clara.

Other bidders were:
The Minton Co., Mt. View.....\$4,293

Henry Baldwin, San Jose.....4,357

C. V. Brown, San Jose.....4,615

J. P. Henry, San Jose.....5,355

B. J. Smith, San Jose.....5,356

Planned.
CLUB Cost, \$90,000

BEVERLY HILLS, Los Angeles Co., Cal. La Cienega Park.

Two-story reinforced concrete club.
Owner—American Legion.

Architect—Edward Cray Taylor and E. W. Taylor.

Contract Awarded.
CLUB HOUSE Cost, \$—

BREA, Orange Co., Cal. One-story stone tile club house (40x 80 feet).

Owner—American Legion.
Architect—Allen Ruoff, 2024 W-6th St., Los Angeles.

Contractor—P. N. Schmoker, 127 W. Brookdale Ave., Los Angeles.

Plans Being Figured.
CLUB BLDGS. Cost, \$55,000 and \$40,000 respectively

LONG BEACH, Los Angeles Co., Cal. Two branch masonry club buildings.

Owner—Y. M. C. A.
Architect—Hugh R. Davies, 424 E. Ocean Ave., Long Beach.

Bids Opened.
RECREATION CENTER COST, \$10,000

BERKELEY, Alameda Co., Cal. Russell and Curtis Sts.

One-story frame and stucco recreation center.

Owner—City of Berkeley.
Architect—James C. Plachek, Mercantile Bank Bldg., Berkeley.

Will contain auditorium, girls' and boys' showers and locker rooms, moving picture booth and stage.

Following is a complete list of the bids:

S. A. MacDonald.....\$12,703

Chas. McCullough, Oakland.....12,994

E. A. Anloff, Oakland.....12,980

Sullivan & Sullivan, Oakland.....13,398

G. Wendt, Berkeley.....13,493

W. E. Lyons, Oakland.....13,550

Walter Sorensen, Oakland.....13,550

Connor & Connor, Berkeley.....13,925

F. Sheridan, Berkeley.....14,940

G. A. Pearson, Berkeley.....14,957

Jensen & Pedersen, Oakland.....15,450

Bids held under advisement.

HOSPITALS

Plans Being Completed.
DETENTION HOME Cost, \$30,000

SALINAS, Monterey Co., Cal. County detention home (accommodation for 20 children).

Owner—County of Monterey.
Architect—Reed and Corlett, Oakland

Bank Bldg., Oakland.
Bids will be taken in about three weeks.

WOODLAND, Yolo Co., Cal.—Yolo County Grand Jury purposes to sell present site and county hospital plant and with funds from proceeds of sale to be added to funds obtainable by direct taxation or bond issue, to finance erection of a new county hospital. W. Weeks, architect, San Francisco, is conferring with the Jury with regard to plans.

Bids Opened—Contract Awarded.
HOSPITAL Cont. price, \$30,300

SAN JOSE, Santa Clara Co., Calif. County Almshouse Grounds at Milpitas.

Two-story reinforced concrete and frame hospital (unit No. 2).

Owner—County of Santa Clara (H. A. Pfister, county clerk).

Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Contractor—B. J. Smith, 1376 Mariposa St., San Jose.

Following is a complete list of the bids:

B. J. Smith, San Jose.....\$30,300

F. Bohnett, San Jose.....30,766

N. J. Nielsen, San Jose.....31,285

Minton Co., Mt. View.....32,242

J. D. Carlsen, San Jose.....32,245

Osborne & Knight, Palo Alto.....32,750

Nell Darrach, San Jose.....32,832

Frank Neves, San Jose.....34,337

R. O. Summers, San Jose.....34,342

C. N. Swensen, San Jose.....34,350

Collins & Martin.....34,914

H. C. Jorgensen.....35,440

Megna & Newell, San Jose.....36,000

Thomas Hershback, San Jose.....36,200

F. T. Edmans, San Jose.....36,758

E. J. Byron, San Jose.....38,537

Plans Completed.
DORMITORY Cost, \$800,000

PASADENA, Los Angeles Co., Cal. Two and part three-story reinforced concrete dormitory (accommodate 250 students)

Owner—California Institute of Technology.
Architect—Gordon B. Kaufman, Union Bank Bldg., Los Angeles.

Plans Being Figured—Bids Close Feb. 11 11 A. M.

LAUNDRY BLDG. Cost, \$15,000

SAN JOSE, Santa Clara Co., Calif. County Hospital grounds.

One-story reinforced concrete laundry with steel trusses.

Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Blinder & Curtis 85 W San Carlos St., San Jose.

NAPA, Napa Co., Cal.—H. J. Baade has completed plans for landscape work to be done at the Victory Hospital, located on Jefferson St. Three large open lawns will surround front and side and shrubbery will be planted at base and along property line.

Plans approved by Pres. J. W. Gregg of the University of California.

Planned.
REMODEL Cost, \$—

SUNLAND, Los Angeles Co., Calif. \$536 Fenwick.

Remodel buildings for hospital.
Owner—Volunteers of America, (Col. Hughes in charge).
Architect—Not Selected.

Low Bidder.
HOSPITAL EQUIPMENT
 Cost, \$694,882
LOS ANGELES, Cal. General Hospital.
 Fixed equipment for hospital.
 Owner—County of Los Angeles.
 Architect—None.
Low Bidder—Jamestown Metal Products Co., Los Angeles.
 Other bids were: General Fireproofing Co., \$706,558; Art Metal Constr. Co., \$715,785; J. L. Davidson Co., \$779,263.

LOW BIDDER
HOSPITAL
 Cost, \$1,430,796
LOS ANGELES, Cal. General Hospital.
 Hollow metal work for hospital.
 Owner—County of Los Angeles.
 Architect—Edwin Bergstrom, Myron Hunt, Pierpont Davis, Sumner P. Hunt and William Richards.
Low Bidder—Dahlstrom Metallic Door Co., 122 E. Seventh St., L. A.
 Other bidders were: Julius Dietzmann's Ironcraft Works, 828 S. Figueroa St., submitted low bid for ornamental iron work at \$80,998; Dahlstrom Metallic Door Co. submitted the lowest bid for combination of ornamental and hollow metal work at \$1,531,446.

SAN FRANCISCO.—Following contracts awarded by Board of Supervisors for equipment for San Francisco Hospital, bids for this work having been received by Leonard S. Leavy city purchasing agent:
 Item No. 1, 24 beds, with Mt. Sinai bottom, head and foot one-inch National seamless tubing, 14 gauge; card holder for 3x5 card to be welded on fracture bar; painting; 3 coats Nitro Cellulose base lacquer, first coat baked, color white; equipped with Colson No. 1, 3x67-3-inch casters; height, head 49½-in. or 50-in.; foot 36-in. or 37-in.; fabric 27 inches including casters; cross rods ½-in.; five filler rods, ½-in.; cross rods and filler rods 15-in. gauge; inside fracture bar, 1-in. by 1½-in. length of 78-in. inside, 36-in. wide inside; fabric to be National rust proof; on sample made by Simmons Co. & Sloan, price, \$40.15 each; contractor, W. & J. Sloane.
 Item No. 2, (a) 24 Cribs, both sides sliding; size 2-ft. 6-in. by 5 O. D., equipped with Colson casters 1,367-3-in.; pillars 1-in. 14 gauge National Seamless Bedstead tubing; cross rods ½-in., 16 gauge upright fillers ½-in.; top and bottom rods incides ¾-in.; fillers not over 3½-in. apart; Colson white, three coats Nitro Cellulose base lacquer, first coat baked; to have card holder for 3-in. by 5-in. card welded on fracture bar ends; also metal insert for card; in other respects as Hall Cat., Page 49, Model 1109; price \$30.37 each; contractor, Colson Co. of the Pacific.
 Item No. 2 (b) 12 Cribs, specifications same as above excepting length to be six feet; on sample made by Simmons Co.; price, \$35.75 each; contractor, W. & J. Sloane.
 Item No. 3, 100 Sets Casters, Eames Casters; on sample; price, \$5.20 per set; contractor, Eames Co.
 Item No. 4, 6 Basket Trucks, Eames Trucks; on sample; price, \$32.00 each; contractor, Eames Co.
 Item No. 5, 1 Truck, Colson Cat. P. 4, No. 2531; equipped with 4-in. P. C. 1, wheels and 3-in. B. C. 1 swivel; price, \$32.83 each; contractor, Colson Co. of the Pacific.
 Item No. 6, 6 Wheel Chairs, Colson Cat., Page 37, Model C-39B; selected oak seat and slatted back, to be equipped with 26-in. ball bearing wheels and two 10-in. ball bearing disc wheels head rims attached to rims; price, \$48.69 each; contractor, Colson Co. of the Pacific.

SAN FRANCISCO.—Construction of a new Hahnemann Hospital to replace the present structure at California and Maple Sts is contemplated by the trustees of that institution. The new structure would have a capacity of 75 beds of Class A construction and equipped with the most modern equipment. Preliminary estimates place the cost at \$250,000. The project is yet in a very preliminary stage. Further mention will be made of this work when the plans are further advanced.

HOTELS

SEATTLE, Wash.—John E. Burkheimer, Seattle attorney, and Gardner J. Gwinn, Seattle capitalist, will have plans prepared for two commercial hotels in the University District, one adjoining the NE corner of East 5th St. and Brooklyn Ave., and another at the SE corner of East 5th St. and University Way, the cost of both structures being in the neighborhood of \$1,250,000.

Sub-Contracts Awarded.
HOTEL
 Cost, \$75,000
SAN LUIS OBISPO, San Luis Obispo Co., Cal. Chorro and Higuera Sts.
 Three-story Class C hotel and stores 75x100 feet; (50 rooms and baths and 4 stores).
 Owner—Wagner Estates.
 Architect—John Paxton Perrine, Lincoln Bldg., Los Angeles.
 Contractor—Theo. Maine, San Luis Obispo.
Millwork—Frank Graves Sash, Door & Mill Co., 2000 Pasadena Ave., Los Angeles.

Plumbing and Heating—Payne Heating & Ventilating Co., San Luis Obispo.
Ornamental and Wrought Iron—Anderson Ornamental Iron Works, 1143 S. San Pedro Ave., Los Angeles.

Sub-Contracts Awarded.
ADDITION
 Cost, \$60,000
SAN LUIS OBISPO, San Luis Obispo Co., Cal. Anderson Hotel.
 Reinforced concrete 40-room addition to hotel.
 Owner—Anderson Hotel.
 Architect—Howard S. Hazen, 1515 10th St., Sacramento.
 Contractor—Lindgren & Swinerton, Inc., Bush St., San Francisco.
Elevators—Otis Elevator Co., 1 Beach St., San Francisco.
Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.
Plumbing, Heating and Electric Work—Scott Co., 1900 M St., Sacramento.
Mill Work and Glass—Southern Pacific Milling Co.
Plastering—Thomas Scollan, 2913 T St., Sacramento.
 Sub-bids are wanted on tiling, roofing, sheet metal, finish hardware, painting, etc.

Sub-Bids Wanted.
HOTEL
 Cost, \$750,000
SAN JOSE, Santa Clara Co., Cal. SW San Fernando and Fourth Sts. (91x137-ft.).
 Twelve-story Class A reinforced concrete hotel building (295 rooms and stores; garage to store 100 cars).
 Owner—San Jose Properties, Ltd., San Jose.
 Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento.
 Contractor—Chas. Mahrey, 3523 Emerson St., Oakland.
 Building will contain all modern conveniences. The San Jose Properties Ltd., which will own and operate the hotel, is headed by a group of leading San Jose, Sacramento and Oakland business and professional men. The officers of the

corporation are Martin L. Hurst of Oakland, president; Frank M. Temple of San Jose, vice-president; Robert Schwab of Sacramento, secretary and attorney, and Manley W. Sahlberg of Sacramento and Oakland, and J. O. Hayes of San Jose, directors. A \$1,000,000 corporation.
 Sub-bids are wanted on all portions of the work, excepting plumbing heating and electrical.

Planned.
HOTELS
 Cost, \$1,250,000
SEATTLE, Wash. NE East 5th St. and Brooklyn Ave. and SE East 3rd and University Way.
 Two commercial hotels.
 Owner and Builder—Gardner J. Gwinn Hoge Bldg., Seattle.
 Plans by Owner.

Planned.
HOTEL
 Cost, \$—
LOS ANGELES, Cal.—NE Vine and Yucca Sts.
 Twelve-story Class A apartment hotel (99x174 feet).
 Owner—Edward Sedgwick St., 1930 Canon Drive, Los Angeles.
 Architect—None.

Preparing Sketches.
HOTEL
 Cost, \$—
LOS ANGELES, Cal. Whitley Ave.
 Five-story brick hotel (200 rooms and baths).
 Owner—Chicago Syndicate.
 Architect—Max Maltzman, Union Bank Bldg., Los Angeles.

HEALDSBURG, Sonoma Co., Cal.—Lander, Johnson & Athey, general contractors, Healdsburg, have contract and started excavation for a two-story frame and stucco, 23-room hotel with red tile roof to replace the Oaklawn Hotel, recently destroyed by fire. Emilio Buffi, owner. First floor will contain lobby, two banquet rooms, kitchen and a store.

ICE AND COLD STORAGE PLANTS

SAN JOSE, Santa Clara Co., Cal.—County supervisors will spend \$325,500 during the next six months in the construction of roads and bridges. Robert Chandler is county surveyor.

SAN RAFAEL, Marin Co., Cal.—Until February 11, 11 A. M., bids will be received by Rob. E. Graham, county clerk, to construct reinforced concrete bridge on Tiburon Blvd. ¼ mile east of San Clemente in Road District No. 2, involving 54 cu. yds. Class A cement concrete in place; 4500 lbs. reinforcing steel in place. Plans obtainable from County Surveyor Rodney Messner.

VALLEJO, Solano Co., Calif.—Until February 14, 11 A. M., bids will be received by Alf. E. Edgcombe, city clerk, to construct a reinforced concrete culvert with wood pile foundation on Sonoma street extension near the northwestern line of the Southern Pacific R. R. right-of-way. Certified check 10% payable to city required with bid. Plans obtainable from T. D. Kilkenney, city engineer.

MARTINEZ, Contra Costa Co., Cal.—Until Feb. 17, 11 A. M., bids will be received by J. H. Wells, City Clerk, for repairing and refooring of Old River bridge over Old River on Borden Highway. Est. cost \$5000.
 See call for bids under official proposal section in this issue.

POWER PLANTS

LAKE TAHOE, Cal.—With the melting of the snows, construction of an extension of the Sierra Pacific Power Company's lines from Camp Richardson on the southern end of Lake Tahoe to Zephyr Cove and possibly to Glenbrook, will be started. The lines will pass through Bijou, Lakeside, Elk Point, Zephyr Cove and Skyland, and to continue to Glenbrook if a sufficient guarantee of revenue for five years is made.

SAN FRANCISCO—August 26 is date set by Board of Supervisors to vote bonds of between \$54,000,000 and \$60,000,000 to finance purchase of the Pacific Gas & Electric Company and the Great Western Power Co., distributing systems to be operated as a municipal project.

YAKIMA, Wash.—Eighty miles of 110-kv. transmission line between White Salmon and Yakima, Wash., to constitute the first link in tying in the systems of the Washington Water Power Company, Spokane, and the Northwestern Electric Company, Portland, will be built during 1930. This transmission line, which is to cost \$1,100,000, will connect the Condit plant of the Northwestern Electric Company with the Yakima-Walla Walla system of the Pacific Power & Light Company.

LOS ANGELES, Cal.—Naugle Pole & Tie Co. was awarded contract by the Los Angeles water and power bureau at \$4052.50 for cedar poles under Adv. 1277 involving 210 35-ft. poles; 50 40-ft. poles.

PORTLAND, Ore.—Portland Elec. Power Co. is planning to install large boiler at steam plant station L, located at foot of East Lincoln St. Will have heating surface of 26,500 sq. ft.; 1,620 tubes, 3 1/2-in. in diameter and aggregating 32,000 ft. will be built in to the structure.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., Feb. 13, bids will be received by the city for furnishing f. o. b. cars, Glendale, the following: 6 power transformers, 5 200-amp. 4000-volt O. I. S. C. 3-phase automatic induction feeder regulators; 4 3-pole, single throw, 3000-amp., 7500-volt, oil circuit breakers; 10 3-pole, single throw, 600-amp., 7500-volt, oil circuit breakers; 4 single pole, single throw; 400-amp., 7500-volt oil circuit breakers; 10 250-amp. 3-phase, 50-circuit cycle reactors. G. E. Chapman, city clerk; P. Diederich, plant superintendent.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Preparing Working Drawings.
JAIL Cost, \$60,000
SALINAS, Monterey Co., Cal.
Fireproof county jail (accommodations for 100 prisoners).
Owner—County of Monterey.
Architect—Reed and Corlett, Oakland Bldg., Oakland.
Plans will be ready for bids in about thirty days.

BERKELEY, Alameda Co., Cal.—E. Bowman, Oakland, at \$800, submitted only bid to Florence E. Turner, city clerk, for moving or demolition of the Main Public Library at SW corner of Shattuck Ave. and Kittredge Street. Specifications obtainable from James W. Plachek, architect, Mercantile B'nk Bldg., Berkeley. Bid held under advisement.

Plans Being Figured—Bids Close Feb. 18, 10:30 A. M.
ALTERATIONS Cost, \$12,000
OAKLAND, Alameda Co., Cal. Broadway bet. 4th and 5th Sts.
Alterations and additions to county courthouse.
Owner—County of Alameda, Geo. A. Gross, county clerk.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Work will involve the removal of the central dome, as well as four turrets on the roof. Office quarters and court room renovation is included. Certified check 10% payable to County Clerk required with bid. Plans obtainable from the County Clerk on deposit of \$25, returnable.

UKIAH, Mendocino Co., Cal.—County Purchasing Agent authorized to purchase furniture and equipment from M. G. West Co., San Francisco, to be installed in courthouse addition. Cost not to exceed \$1000.

RIO VISTA, Solano Co., Cal.—F. W. Lavinger, Rio Vista, at \$164.44 awarded contract by Board of Supervisors for one-story reinforced concrete joint branch county and town jail to be fitted with steel cells. Victor Kaufenberg, Pittsburg, at \$1850 submitted next low bid.

Bids Opened.
LIBRARY Cost, \$275,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Kittredge St.
Reinforced concrete and steel Class A public library (50 ft. high).
Owner—City of Berkeley, E. M. Hann, city clerk.
Architect—James W. Plachek, Mercantile Bank Bldg., Berkeley.
Heating Engineers—Leland & Haley, 53 Sutter St., San Francisco.

Following is a complete list of bids received:
K. E. Parker, 135 South Park San Francisco.....\$210,000
MacDonald & Kahn, S. F.....212,460
Walter Sorensen, Oakland.....214,980
E. T. Lesure, Berkeley.....215,200
J. L. McLaughlin, S. F.....215,949
Conner & Conner, Oakland.....220,497
Fred J. Westlund, Oakland.....221,740
Barrett & Hilp, S. F.....222,913
Schuler & McDonald, Oakland.....233,000
Monson Bros., S. F.....231,460
Vogt & Davidson, Oakland.....233,423
Bids held under advisement.

FRESNO, Fresno Co., Calif.—The Municipal Auditorium will be sold to the state for use as an armory as a \$105,000 price announced by Governor Young is acceptable to the city. Governor Young has advised the city council that if an option is given by the city the purchase price will be included in the 1931 biennium budget. The city proposes to dispose of the present structure and with the proceeds of the sale together with other money plans to erect a \$250,000 municipal auditorium on a new site.

CONCORD, Contra Costa Co., Cal.—The City of Concord has purchased the property on the corner of Grant and San Fernando Sts. 100x125 feet, and plans to construct a new fire house. More definite information will be given shortly.

Bids Wanted.
FIREHOUSE. \$12,500 available
VALLEJO, Solano Co., Cal. Alameda and Maryland Sts.
One-story firehouse (Spanish type).
Owner—City of Vallejo (Alf. E. Edgumbe, city clerk.)
Architect—Wm. A. Jones, 408 Alameda St., Vallejo.
About three weeks will be allowed for figuring the plans.

SAN JOSE, Santa Clara Co., Cal.—Construction of a modern rural "work jail" on county almshouse property near Milpitas is being favorably considered by the county supervisors. The project is yet in a preliminary stage and details will be available when the plans are further advanced.

RIFON, San Joaquin Co., Cal.—Ed. Nelson, Rifon, at \$998 awarded contract by City Fire Commission to erect new firehouse in Stockton St. Other bids: L. Uebel, \$1065; H. O. Mohler, \$1141; George Reek, \$1155; Henry Kamps, \$1233; Rasmussen & Hartmeyer, \$1247.
(5175) 1st report Dec. 13, 1929. 13

RESIDENCES

Contract awarded.
RESIDENCE Cost, \$50,000
HILLSBOROUGH, San Mateo Co., Calif.
Two-story and basement frame and stucco residence.
Owner—Eugene Kaufman.
Architect—Willis Polk Co., 277 Pine St., San Francisco.
Contractor—Bessett Building Co., 826 Walnut St., Burlingame.

Contract Awarded.
RESIDENCE Cost, \$15,000
SAN FRANCISCO, W Steiner St. N Jackson St.
Two-story and basement frame and stucco residence.
Owner—K. S. Petterson, care Architect.
Architect—A. Schroepfer, Monadnock Building.
Contractor—G. Petterson & Son, 46 Divisadero St.

Plans being completed.
RESIDENCE Cost, \$20,000
SAN MATEO, San Mateo Co., Calif., Baywood Park.
Two-story frame and stucco residence.
Owner—W. C. Schneider, San Francisco.
Architect—Enri E. Cavasso, 235 Third Ave., San Mateo.
Bids will probably be taken in one week.

RICHMOND, Contra Costa Co., Cal.—S. B. Merry and H. H. Mylander, former manufacturing executives of Richmond, have organized the Community Builders of Richmond and have purchased property from the Griffith Estate in South Richmond on which they propose to erect homes for factory workers. The site purchased involves 100 home sites. An application for the company to issue stock in connection with the project has been filed with the State Corporation Department.

VALLEJO, Solano Co., Cal.—Jas. V. O'Hara, local realtor, announces he will erect ten new one-story frame and stucco homes in the Fleming Subdivision this coming Spring.

BAKERSFIELD, Kern Co., Cal.—George Hay, recent purchaser of Descanso Park, just east of Bakersfield city limits, announces he will erect forty one-story frame and stucco homes in the tract during the next ten months.

Completing Plans.
ALTERATIONS Cost, \$35,000
LOS ANGELES, Cal. Michigan Ave.
Alterations and additions to brick and concrete residence.
Owner—Dr. H. O. Eversole.
Architect—None.
Contractor—The Foss Co., 171 S. Los Robles Ave., Pasadena.

Contract Awarded.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Calif. 256
Florence St.
Two-story and basement 8-room frame
and stucco residence.
Owner—Mr. Carl, 4471 Moraga Road,
Oakland.
Architect—None.
Contractor—A. H. Monez, 4350 Bridge-
view Drive, Oakland.

Bids Opened.
RESIDENCE Cost, \$—
ELDRIDGE, Sonoma Co., Calif. State
hospital grounds.

One-story and basement frame and
stucco assistant physician's resi-
dence.
Owner—State of California.
Architect—Geo. B. McDougall, state
architect, Public Works Bldg., Sacra-
mento.

Will contain seven rooms; stucco ex-
terior and shingle roof.

Following is a complete list of the
bids received:
G. Magnusson, 320 Cypress, San
Bruno.....\$7,300
M. C. Valine, Sacramento.....7,750
The Minton Co., Mt. View.....7,787
F. H. Cress, Oakland.....7,951
D. B. Ferrero, San Anselmo.....7,959
A. F. Anderson, Oakland.....8,040
Smith & Jackson, San Rafael.....8,068
C. H. Dodd, Boyes Springs.....8,625
M. R. Petersen.....9,490
Jensen & Pedersen, Oakland.....9,500
O. S. Almie, San Francisco.....9,560
J. Witzelberger, Woodland.....10,152
Bids held under advisement.

Contract Awarded.
RESIDENCE Cost, \$25,000
SAN FRANCISCO. E Presidio Ave. S
Pacific Ave.

Two-story and basement frame and
stucco residence.
Owner—H. H. Greenberg.
Architect—Hyman and Appleton, 63
Post Street.
Contractor—Young & Horstmeyer, 461
Market St.

Preparing Working Drawings.
SORORITY HOUSE Cost, \$40,000
WESTWOOD, Los Angeles Co., Calif.
Westwood Campus.
Two-story and basement frame and
stucco sorority house (accommoda-
tions for 25 girls).
Owner—Delta Zeta Sorority.
Architect—R. H. Ainsworth, Central
Bldg., Pasadena.

Preparing Working Drawings.
BUNGALOW Cost, \$30,000
DEL MAR, San Diego Co., Cal.
Three-story frame and stucco bunga-
low (18x55 feet).
Owner—South Coast Land Co.
Architect—Jonathan Ring, California
Reserve Bldg., Los Angeles.

Plans Being Completed.
RESIDENCE Cost, \$8500
SAN FRANCISCO. NW Justin Drive
and College Avenue.
One-story and basement 5-room frame
and stucco residence.
Owner and Builder — A. R. Johnson,
3901 Mission St., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San
Francisco.
Sub-bids will be taken in one
week.

Plans Being Figured — Bids Close
Feb. 14.
RESIDENCE Cost, \$20,000
GILROY, Santa Clara Co., Cal. Bloom-
field Ranch.
One-story Spanish type frame and
stucco residence with tile roof;
barn and service building.
Owner—Lawrence Kelly.
Architect—Herman Krause, Bank of
San Jose Bldg., San Jose.

Bids Opened.
RESIDENCE Cost, \$—
NAPA, Napa Co., Cal. State Hospital
grounds.
One-story and basement frame and
stucco assistant physician's resi-
dence.

Owner—State of California.
Architect—Geo. B. McDougall, state
architect, Public Wks Bldg., Sacra-
mento.

Will contain seven rooms; stucco ex-
terior and shingle roof.

Following is a complete list of the
bids:

G. Magnusson, 320 Cypress, San
Bruno.....\$7,345
M. C. Valine, Sacramento.....7,750
The Minton Co., Mt. View.....7,936
F. H. Cress, Oakland.....7,993
D. B. Ferrero, San Anselmo.....7,986
A. F. Anderson, Oakland.....7,980
Smith & Jackson, San Rafael.....8,210
David Nordstrom, Oakland.....9,164
M. R. Petersen.....9,395
Jensen & Pedersen, Oakland.....9,560
O. S. Almie, San Francisco.....9,453
J. Witzelberger, Woodland.....9,952
Bids held under advisement.

Sub-contracts Awarded.
RESIDENCE Cost, \$35,000
SAN RAFAEL, Marin Co., Cal.

Two-story frame and stucco residence
Owner—David H. Walker.
Architect—Eldridge Spencer, Shreve
Bldg., San Francisco.
Contractor—J. Dawson, 1507 Lincoln
St., Berkeley.
Lumber—Henry Hess Lumber Co.,
San Rafael.
Mill Work—Sunset Lumber Co., 400
High St., Oakland.

Brick Work—B. I. Goodheart, San An-
selmo.

Plumbing—M. H. Bettencourt, Sausa-
lito.

Electric Work—The Electric Shop,
San Anselmo.

Plastering—C. Weber, San Rafael.

Tile Work—Brockhurst Tile Co., 2819
Shattuck Ave., Berkeley.

Pine Flooring and Rustic—San An-
selmo Lumber Co., San Anselmo

Oak Floors—Hardwood Floor Co., 1911
E-12th St., Oakland.

Painting—D. T. Young, 735 14th St.,
Oakland.

Rock and Sand—Camgros Gravel Co.,
San Rafael.

Sub-bids wanted on heating, sheet
metal and slate roofing.

Permit Applied For.
RESIDENCE Cost, \$35,000
LOS ANGELES, Cal. No. 2395 Holly
Vista Drive.

Two-story frame and stucco residence
(51x61 feet).
Owner—E. De Wolfe.
Architect and Contractor — Gable &
Wyant, 3723 Wilshire Blvd., Los
Angeles.

Sub-Figures Being Taken.
RESIDENCES Cost each, \$15,000
SAN FRANCISCO. Darlen Way E San
Benito.

Two 2-story and basement frame and
stucco residences (eight rooms,
two baths).

Owner and Builder—A. J. Herzig, 635
Victoria St.

Plans by D. E. Jaekle, Call Bldg.

Contract Awarded.
RESIDENCE Cost, \$12,000
REDWOOD CITY, San Mateo Co., Cal.

No. 12 King Street

Two-story and basement six-room
frame and stucco residence.

Owner—Daniel Hagmaier, 931 Fell St.,
San Francisco.

Architect—None.

Contractor—E. A. Anderson, 1177 De
Haro St., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$16,000
REDWOOD CITY, San Mateo Co., Cal.

No. 917 Durlston Road.

Two-story frame and stucco residence
(8 rooms and garage).

Owner — L. C. Rowen, 903 Durlston
Road, Redwood City.

Architect—None.

Contractor—L. Bourguier, 211 Bradford
Road, Redwood City.

Contract Awarded.
RESIDENCE Cost, \$12,000
PALO ALTO, Santa Clara Co., Cal.

No. 1903 Middlefield Road.

Two-story frame and stucco residence.

Owner — Ruth G. Ochwaling, 1952
Waverly St., Palo Alto.

Architect—None.

Contractor—E. J. Schmalmo, 1952
Waverly St., Palo Alto.

Contract Awarded.
RESIDENCE Cost, \$40,000
FRESNO, Fresno Co., Cal. Alhambra
and Poplar Sts.

Frame and stucco residence (60x55
feet).

Owner—Harry F. White.

Architect & Brgs. of Const.—Shields,
Fisher & Lake, Pacific Southwest
Bldg., Fresno.

Structural will contain nine rooms,
two sleeping porches, three baths and
will have stucco exterior with tile
roof.

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Preparing Working Drawings.
RESIDENCES Cost, \$15,000 & \$20,000
HILLSBOROUGH PARK, San Mateo
Co., Calif.
Two 2-story and basement frame and
stucco residences (8 and 9 rooms).
Owner—Name Withheld.
Architect—Grimes & Schoening, Bal-
ovich Bldg., San Mateo.
Sub-bids will be taken in 1 week.

Contract Awarded
RESIDENCE Cost, \$18,000
SANTA BARBARA, Cal.
Frame and stucco residence.
Owner—C. T. Ludington.
Architect—Lockwood De Forest,
Santa Barbara.
Contractor—Snook & Kenyon, Santa
Barbara.

Contract Awarded.
RESIDENCE Cost, \$15,000
FAIR OAKS, San Mateo Co., Cal.
Two-story frame and stucco resi-
dence.
Owner—James W. Silmons et al.
Architect—Walter C. Sellon, 666 Kel-
logg Ave., Palo Alto.
Contractor—George J. Asmussen, 971
Dolores St., San Francisco.

Preparing Working Drawings.
SORORITY HOUSE Cost, \$43,000
WESTWOOD, Los Angeles Co., Cal.
Westwood Campus.
Two and three-story frame and stucco
sorority house, 20 rooms (75x100
feet).
Owner—Kappa Delta Sorority.
Architect—Earl W. Chester Co., 332 N.
Camden Drive, Beverly Hills.

BOULDER CREEK, Contra Costa
Co., Calif.—"Fantasia," the summer
home of Maurice Bernstein of San
Francisco, was destroyed by fire Feb.
1. The loss is estimated at \$25,000,
partially covered by insurance.

RICHMOND, Contra Costa Co., Cal.
—Board of Education takes under ad-
vertisement, nine bids received to fur-
nish a new school bus, the prices
ranging from \$2,000 to \$4,300. Bidders
were: L. J. Thomas, California Motor
Coach Co., J. P. Strom, David M.
Rose, Charles M. Courtright, Allbright
Motor Co. of Sacramento, Fagel Mo-
tor Co., Mack Motor Co. and Reo Mo-
tor Co.

SCHOOLS

Completing Plans.
ADDITIONS Cost, \$35,000
McFARLAND, Kern Co., Cal. Mc-
Farland, Shafter and Roosevelt
Schools.
Brick additions to school.
Owner—Kern County Union High
School District.
Architect—Symmes & Cullimore, Ha-
berfelde Bldg., Bakersfield.

Planned.
SCHOOL Cost, \$365,000
TUCSON, Arizona. East Broadway
and Country Club Road, 10-acre
site.
School plant (dormitories, classrooms,
swimming pool, etc.).
Owner—St. Joseph's Academy, Marie
de Lourdes, Sister Superior.
Architect—Not Selected.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$17,000
SANTA ROSA, Sonoma Co., Calif.
South Park Section.
One-story frame and stucco school
with tile roof (3 rooms and audi-
torium).
Owner—City of Santa Rosa School
District.
Architect—Wm. Herbert, Rosenberg
Bldg., Santa Rosa.

Preliminary Plans Completed.
SCHOOL Cost, \$150,000
SIERRA MADRE, Los Angeles Co.
Sixteen-classroom reinforced concrete
school.
Owner—Sierra Madre City School
District.
Architect—Marsh, Smith & Powell,
Architects Bldg., Los Angeles.

Planned.
BUILDING Cost, \$—
FRESNO, Fresno Co., Calif. NW N
and Kern Streets.
New building.
Owner—Fleischman Co. of California
245 11th St., San Francisco.
Architect—Not Selected.

Planned.
TELEPHONE BLDG. Cost, \$—
DOS PALOS, Merced Co., Cal.
Telephone building, 91x29 feet (con-
crete vault and showers).
Owner—Dos Palos Telephone Co., S.
D. Crowe, Manager.
Architect and Mgr. of Constr—Clyde
Jones, Dos Palos.

Sub-Contracts Awarded.
BLDG. Cost approx. \$500,000
BERKELEY, Alameda Co., Cal. Uni-
versity Grounds.
Two and one-half-story class B rein-
forced concrete Agricultural Econo-
mics Building, to be known as
"Giannini Hall."

Owner—University of California (Gift
of A. P. Giannini).
Architect—Wm. C. Hays, Crocker 1st
National Bank Bldg., San Fran-
cisco.

Contractor—P. J. Walker, Sharon
Bldg., San Francisco.
Cast Stone—P. Grassi & Co., 1945 San
Bruno Ave., San Francisco, \$1147.
Terrazzo—P. Grassi & Co., 1945 San
Bruno Ave., San Francisco, \$5563.
Finish Hardware—Marshall Newell
Supply Co., Spear and Mission
Sts., San Francisco, \$4350.

Mill Work—Lannom Bros. Mfg. Co.,
5th and Magnolia Sts., Oakland,
\$10,761.

Painting—J. A. Mohr & Son, Inc., 433
11th St., San Francisco, \$3897.
Other awards previously reported.

SAN FRANCISCO—Alta Electric
Co., 938 Howard St., at \$8,850, sub-
mitted low bid to Board of Public
Works for electrical work in connec-
tion with the addition to the Fran-
cisco Junior High School. Complete
list of bids, all taken under advice-
ment, follows:
Alta Electric Co. \$8,850.00
R. Flatland \$9,920.00
Edward P. Dowd \$10,700.00
C. C. Severin \$10,700.00
Atlas Engineering & Elec. \$10,898.00
Butte Electrical Equipment
Co. \$11,425.00

Plans being figured. Bids close Feb.
21st, 3 P. M.
SCHOOL Cost, \$35,000
KELSEYVILLE, Lake Co., Calif.
One-story reinforced concrete high
school (125 pupils) with combina-
tion gymnasium and auditorium.
Owner—Kelseyville Union High School
District.
Architect—Wm. Herbert, Rosenberg
Bldg., Santa Rosa.
Bids are being received at Kelsey-
ville.

Plans Being Prepared.
AUDITORIUM Cost, \$9,000
CORRALITOS, Santa Cruz Co., Cal.
One-story frame and stucco auditor-
ium (seat 300).
Owner—Corralitos School District.
Architect—A. W. Story, Pajaro Val-
ley Bank Bldg., Watsonville.

SAN FRANCISCO—Incandescent
Supply Co., 726 Mission St., at \$464,
submitted low bid to Board of Public
Works to furnish and install electri-
cal fixtures in Geary St. School at
Geary, Cook and Blake Sts. Complete
list of bids, all taken under advice-
ment, follow:
Incandescent Supply Co. \$464.00
Strom & Smith \$522.68
R. Flatland \$525.00
Edward F. Dowd \$530.00
Atlas Electric & Engineering
Corp. \$535.00
Brass & Bronze Lighting
Fixture Co. \$536.50
C. C. Severin \$558.00
Alta Electric Co., Inc. \$574.00

SAN FRANCISCO—Fred E. Turner,
P. O. Box 501, Stockton, at \$6,370 (a)
add \$5; (b) deduct \$5, submitted low
bid to Board of Public Works to fur-
nish and install chairs in Roosevelt
Junior High School at Arguello Blvd.
and Geary St., and Polytechnic High
School, Frederick and Willard Sts. and
Arguello Blvd. Other bidders were:
Ink Ribbon Mfg. Co., \$7,325.50; (a)
\$5.75; (b) no deduction.
Heywood-Wakefield Co., \$8,612.24;
(a) \$6.76; (b) \$6.76.

Bids taken under advertisement.

Bonds Voted—Plans Being Prepared.
SCHOOL \$130,000 in bonds voted
BURLINGAME, San Mateo Co., Cal.
Canon Road and Summit Drive.
Eight-classroom school.
Owner—Burlingame School District.
Architect—W. H. Weeks, Hunter-Du-
lin Bldg., San Francisco; 1736
Franklin St., Oakland and Bank
of Italy Bldg., San Jose.
The \$130,000 voted will provide for
the erection of this 8-room school, in
addition to the purchase of a site for
another school in East Burlingame to
accommodate students in the Win-
chester Tract.

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Plans Completed.
SCHOOL BLDG. Cost, \$179,000
LONG BEACH, Los Angeles Co., Cal.
Woodrow Wilson High School Site
Two two-story brick school buildings
(gymnasium and classrooms).
Owner—Long Beach Board of Education.
Architect—W. Horace Austin, Pacific
Southwest Bank Bldg., L. A.

Preparing Plans.
COLLEGE BLDGS. Cost, \$450,000
PASADENA, Los Angeles Co., Cal.
Two fireproof college buildings.
Owner—California Institute of Technology.
Architect—Bertram G. Goodhue, New
York City.

Plans Being Figured—Bids Close Feb.
18
SCHOOL Cost, \$50,000
BIGGS, Butte Co., Cal.
One-story grammar school (6 classrooms and auditorium).
Owner—Biggs Grammar School Dist.
Architect—Jens C. Petersen, 826 26th
St., Sacramento.
Plans are obtainable from the clerk
of the district at Biggs and from the
office of the architect.

SAN DIEGO, Cal.—R. F. Meyler, Los
Angeles, at \$10,300 awarded contract
by State Department of Public Works,
Division of Architecture, Sacramento,
to furnish and install boiler at State
Teachers' College.

Plans Being Prepared.
SCHOOL Cost, \$100,000
LOS ANGELES, Los Angeles Co., Cal.
Luther Burbank School Site.
Brick school plant.
Owner—Luthern Bank School District.
Architect—Geo. D. Riddle, Central
Bldg., Long Beach.

Plans Being Prepared.
SCHOOL Cost, \$150,000
TRANQUILLITY, Fresno Co., Cal.
Fireproof high school.
Owner—Tranquillity Union High
School District.
Architect—Ernest J. Kump, Rowell
Bldg., Fresno.

This new structure will replace the
building destroyed by fire several
months ago. Foundations of the old
structure will be used in the new
building.

Plans Being Completed.
SCHOOL Cost, \$20,000
PEEBLE BEACH, Monterey Co., Cal.
One-story frame and stucco school
for boys.
Owner—Mrs. Grace Douglas, Pebble
Beach.
Architect—Wm. Raiguel, Del Monte.
Bids will be called for in about 10
days.

Plans Being Figured—Bids Close Feb.
27th.
SCHOOL Cost, \$35,000
KELSEYVILLE, Lake Co., Cal.
One-story reinforced concrete high
school (125 pupils) with combina-
tion gymnasium and auditorium.
Owner—Kelseyville Union High School
District.
Architect—Wm. Herbert, Rosenberg
Bldg., Santa Rosa.

Completing Plans.
SCHOOL Cost, \$325,000
LONG BEACH, Los Angeles Co., Cal.
Market and Louis Ave.
Brick Junior High School (accommodate
600 pupils).
Owner—Long Beach Board of Education.
Architect—Wright & Gentry, Jergins
Trust Bldg., Long Beach.

Completing Plans.
AUDITORIUM \$185,000
LONG BEACH, Los Angeles Co., Cal.
Polytechnic High School site.
Steel and reinforced concrete school
auditorium.
Owner—Long Beach Board of Education.
Architect—W. Horace Austin, Pacific
Southwest Bank Bldg., Long Beach

LIVERMORE, Alameda Co., Calif.—
Lyon Metal Products Co., Inc., Hunt-
ter-Dulin Bldg., San Francisco, at \$774
awarded contract by Livermore Union
High School District to furnish and
install 300 steel lockers in new Liver-
more High School.
Other bidders were:
Worley Co., San Francisco, \$975;
Durabilt Steel Locker Co., San Fran-
cisco, \$1,124; Fred. Medart Mfg. Co.,
San Francisco, \$1,152.

Plans Being Completed.
GYMNASIUM Cost, \$225,000
PALO ALTO, Santa Clara Co., Cal.
Stanford University Campus.
Steel frame and reinforced concrete
gymnasium building (300x250 ft.).
Owner—Stanford University.
Architect—John Bakewell and Arthur
Brown, Jr., 251 Kearny St., San
Francisco.
Bids will be called for shortly.

OAKLAND, Alameda Co., Cal.—Un-
til Feb. 18th, 4 P. M., bids will be
received by John W. Edgemond, secy.
Board of Education, for wrecking of
Fremont High School and clearing of
site. Building was recently destroyed
by fire.

Contract Awarded.
SCHOOL Cont. price, \$5,278
HAMMONTON, Yuba Co., Cal.
One-story frame school.
Owner—Goldfield School District (C.
LePage, clerk, Hammonton).
Architect—Chester Cole, First Nation-
al Bank Bldg., Chico.
Contractor—George McDaniel, Marys-
ville.

Others who submitted bids were:
David Nordstrom Oakland; C. H.
Grigsby, W. R. Burroughs, V. H.
Triplett, C. A. Otto, E. M. Noble,
Frank A. Howe and Geo. W. Tolley.

SACRAMENTO, Cal.—Until Feb. 17,
5 P. M., bids will be received by Chas.
C. Hughes, secretary, Board of Edu-
cation, to furnish and deliver portable
flat folding chairs suitable for au-
ditorium or activity room usage. Any
and all type of chair, whether wood
or metal may be submitted under the
terms of the proposal and stress
should be laid upon any special noise-
less feature of any chair submitted.
The above chairs to be furnished in
quantity of 1,000 with an alternative
bid of any quantity between 1,000 and
2,000 or over. Certified check 10%
payable to Board of Education re-
quired with bid. Specifications ob-
tainable from Business Manager,
Board of Education, 21st and L Sts.
See call for bids under official pro-
posals section in this issue.

Bond Election.
ADDITION Cost, \$70,000
PACIFIC GROVE, Monterey Co., Cal.
Seven-classroom and auditorium ad-
dition to high school.
Owner—Pacific Grove High School
District.
Architect—W. H. Weeks, 111 Sutter
St., San Francisco.
Bonds in the amount of \$70,000 are
to be voted March 7th, to finance con-
struction.

Plans Being Prepared.
SCHOOL \$80,000 (bonds voted
to finance).
SANTA CRUZ, Santa Cruz Co., Cal.
(Gault School).
One-story fireproof school.
Owner—Santa Cruz School District.
Architect—A. I. Coffey, Phelan Bldg.,
San Francisco.

Preparing Plans.
COLLEGE BLDG. Cost, \$250,000
BEL AIR, Los Angeles Co., Cal. Cha-
lson Road north of Bundy Drive.
Three-story reinforced concrete col-
lege building (90x230-ft.)
Owner—Mount St. Mary's College, 3300
W. Slauson Ave., Los Angeles.
Architect—Mark Daniels, Administra-
tion Bldg., Bel Air.
Contractor—James P. Brennan, Rives-
Strong Bldg. Los Angeles.
Other buildings contemplated are:
Administration building, liberal arts
building, science and music hall, gym-
nasium and chapel, to cost \$1,000,000.

Low Bidders.
SCHOOL Cost, \$45,561
SANTA ANA, Orange Co., Cal.
Woodrow Wilson School Site.
School.
Owner—Santa Ana Board of Education
Architect—Allison & Allison, Califor-
nia Reserve Bldg., Los Angeles.
Low Bidder—O. T. Moore, 949 W.
Highland St., Santa Ana.
Electric Wiring—R. B. Winder, Covina,
at \$1703.
Plumbing—Hickman Bros., Inc., San
Pedro, at \$4553.
Heating—Robert McMin, Seal Beach,
at \$5346.

Low Bidders.
SCHOOL Cost, \$46,165
SANTA ANA, Orange Co., Cal. Her-
bert Hoover School.
Elementary School.
Owner—Santa Ana Board of Educa-
tion.
Architect—Allison & Allison, Califor-
nia Reserve Bldg., Los Angeles.
Low Bidder—O. T. Moore, 949 W.
Highland St., Santa Ana.
Electric Work—R. B. Winder, Covina,
at \$1737.
Plumbing—O. H. Ehlen, 124 S. Olive
St., Orange, at \$4160.

BANKS, STORES & OFFICES

MODESTO, Stanislaus Co., Cal.—
Construction has been started on a
two-story store and office building at
Thirteenth and I Sts. for Bomberger
Bros., local realtors. Will contain six
stores on the ground floor and two
offices on the second floor. The cost
is placed at \$13,000.

Preliminary Plans Being Prepared.
BUILDING Cost, \$—
SAN JOSE, Santa Clara Co., Cal. 56
W San Fernando St.
Two-story fireproof building.
Owner—Arthur H. Holmes, Ridgeview
Ave., San Jose.
Architect—Binder & Curtis, 35 W San
Carlos St., San Jose.

Contract Awarded.
STORES Cost, \$—
LOS ANGELES, Cal. Hollywood Blvd.
and Gramercy Place.
One-story concrete bank and stores
(125x80 ft.)
Owner—California Bank.
Architect—John and Donald Parkin-
son, Title Insurance Bldg., Los
Angeles.
Contractor—P. E. Wylie, 903 Trans-
portation Bldg., Los Angeles.

SAN FRANCISCO—Cartman Tire
Exchange, 639 Van Ness Ave., u. ters
\$15,000 fire loss February 1.

Contract awarded.
ALTERATIONS Cost \$11,000
SALINAS, Monterey Co., Calif.
 Alterations to present frame and
 stucco store building.
 Owner—J. A. Cornett, 111 San Luis
 St., San Jose.
 Architect—A. W. Story, Pajaro Valley
 Bank Bldg., Watsonville.
 Contractor—Fred McCrary, Monterey.

Plans being completed.
STORES Cost, \$25,000
SAN FRANCISCO, SV Post and Fill-
 more Sts.
 One-story reinforced concrete (?)
 store building.
 Owner—Dunn-Williams Realty Corp.,
 154 Montgomery St.
 Architect—E. Heiman, 605 Market St.
 Bids will be taken within a few days.

Plans Being Completed.
OFFICE BLDG. Cost, \$750,000
SACRAMENTO, Sacramento Co., Cal.
 NE Seventh and J Streets.
 Fifteen-story Class A reinforced con-
 crete and steel office building (80x
 100 feet).
 Owner—Financial Center Bldg. Corp.,
 L. B. Keller, President.
 Architect—Geo. C. Selson & Co., State
 Life Bldg., Sacramento.
 Contractor—Lindgren & Swinerton,
 Inc., 225 Bush St., San Francisco.
 Construction will probably start
 February 20th.

Ground floor will have seven stores,
 while basement and some portions of
 lower stories will be devoted to auto-
 motive accommodations, including
 service facilities and parking space for
 the occupants of the building.

Sub-Contracts Awarded.
CLASS A BLDG. Cost, \$65,000
SAN FRANCISCO, SW Bush St. and
 Franklin St.
 One-story and mezzanine floor class
 A reinforced concrete and steel
 frame building (120x144-9 ft.).
 Owner—Mrs. Ray Schwartz.
 Engineer—L. H. Nishkian, 525 Mar-
 ket Street.
 Manager of Const.—Mel. I. Schwartz,
 308 Kearny St.
 Lessee—Firestone Tire & Rubber Co.
 Reinforcing Steel and Steel Sash—
 Truscon Steel Co., Cal. Bldg.
 Grading—Sibley Grading & Teaming
 Co., 165 Landers St.

Bids are being taken on concrete
 work, plumbing and electric work.
 As previously reported structural
 steel awarded to Dyer Bros. Iron Wks
 17th and Kansas Sts.
 Building will run from Bush to Fern
 St. on Franklin and will have steel
 rolling doors, metal sash and terra
 cotta cement floor.

Plans Being Completed—Contract
 Awarded.
STORE & LOFTS Cost, \$60,000
SACRAMENTO, Sacramento Co., Cal.
 K St., W 7th St.
 Two-story and basement brick store
 and loft building.
 Owner—Louis R. Lurie, 315 Montgom-
 ery St., San Francisco.
 Architect—O'Brien Bros. and W. D.
 Peugh, 315 Montgomery St., San
 Francisco.
 Contractor—Industrial Const. Co., 815
 Bryant St., San Francisco.
 Plans will be completed in three
 weeks, at which time sub-bids will be
 called for.

Preparing Preliminary Plans.
GRILL Cost, \$—
DEL MONTE, Monterey Co., Cal. Del
 Monte Hotel
 Two-story concrete terrace grill with
 tile roof.
 Owner—Hotel Del Monte.
 Architect—Wm. Raiguel, Del Monte.
 Bids will be called for at a later
 date.

Plans Being Completed—Contract
 Awarded.
STORE & LOFTS Cost, \$75,000
SACRAMENTO, Sacramento Co., Cal.
 SW 7th and K Sts.
 Two-story and basement brick store
 and loft building (60x160-ft.)
 Owner—Louis R. Lurie, 315 Montgom-
 ery St., San Francisco.
 Architect—O'Brien Bros. and W. D.
 Peugh, 315 Montgomery St., San
 Francisco.
 Contractor—Industrial Const. Co., 815
 Bryant St., San Francisco.
 Sub-bids will be taken in about 3
 weeks.

Contract Awarded.
ADDITIONS Cost, \$11,000
OAKLAND, Alameda Co., Calif. SE
 12th and Franklin Sts.
 Additions and alterations to building.
 Owner—White & Pollard, 13th and
 Webster Sts., Oakland.
 Architect—None.
 Contractor—F. C. Stolte, 3455 Laguna
 St., Oakland.

Contract Awarded.
BANK Cont. price, \$257,500
SALINAS, Monterey Co., Cal. Main
 Street.
 Six-story class A steel frame terra
 cotta and brick bank building.
 Owner—Salinas National Bank.
 Architect—Swartz & Ryland, Spazier
 Bldg., Monterey; 373 Main St., Sa-
 linas, and Brix Bldg., Fresno.
 Contractor—H. H. Larsen, 64 South
 Park, San Francisco.

Plans Being Prepared—Contract
 Awarded.
BUSINESS BLDG. Cost, \$25,000
SAN MATEO, San Mateo Co., Calif.
 Third Avenue.
 Two-story reinforced concrete busi-
 ness building.
 Owner—Mr. Armanini.
 Architect—Enri Cavasso, 235 3rd Ave.,
 San Mateo.
 Contractor—Sierra Const. Co., Ltd.,
 235 3rd Ave., San Mateo.

Construction Started.
BUSINESS BLDG. Cost, \$—
SAN MATEO, San Mateo Co., Calif.
 Taylor Ave.
 One-story reinforced concrete busi-
 ness building.
 Owner—Name Withheld.
 Architect—Enri Cavasso, 235 3rd Ave.,
 San Mateo.
 Contractor—Sierra Const. Co., Ltd.,
 235 3rd Ave., San Mateo.

Sub-Bids Being Taken.
ALTERATIONS Cost, \$45,000
BERKELEY, Alameda Co., Cal. Shat-
 tuck Ave. and Center St.
 Alterations to first floor and basement
 of bank (put in new floor, copper
 moulding, glass fronts, etc.)
 Owner—American Trust Co., 464 Cali-
 fornia St., San Francisco.
 Architect—James W. Placheck, Ameri-
 can Trust Bldg., Berkeley.
 Mgr. of Const.—C. O. Colluppy, 464 Cal-
 ifornia St., San Francisco.

Contract Awarded.
BUILDINGS Cost, \$42,000
SAN BERNARDINO, Cal. SE Third
 St. and Waterman Ave.
 Several one and two-story brick and
 concrete buildings.
 Owner—Chinese Community.
 Architect—None.
 Contractor—Allan Mansur, 1810
 Waterman Ave., San Bernardino.

Plans To Be Prepared.
ALTERATIONS Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
 SW Seventh and J Sts.
 Alterations and additions to present
 building for bank.
 Owner—Bank of America, 681 Market
 St., San Francisco.
 Architect—Not Selected.

Plans To Be Prepared.
BUSINESS BLDG. Cost, \$—
RED BLUFF, Tehama Co., Cal. Jef-
 ferson and Walnut Sts., 125 front-
 age.
 Four-story brick business building.
 Owner—J. A. Cobb, Red Bluff.
 Architect—Listen Ehorn, Red Bluff.

Contract Awarded.
CLASS A BLDG. Cost, \$65,000
SAN FRANCISCO, SW Bush St. and
 Franklin St.
 One-story and mezzanine floor class
 A reinforced concrete and steel
 frame building (120x144-9 ft.).
 Owner—Mrs. Ray Schwartz.
 Engineer—L. H. Nishkian, 525 Mar-
 ket Street.
 Manager of Const.—Mel. I. Schwartz,
 308 Kearny St.
 Lessee—Firestone Tire & Rubber Co.
 Steel Rolling Doors—Kennerson Mfg.
 Co., 361 Brannan St.
 Reinforced Concrete—Louis J. Cohn,
 117 Montgomery St., \$19,870.

Other bidders were:
 H. L. Petersen.....\$20,223
 Mission Concrete Co.....20,500
 Industrial Const. Co.....20,700
 Standard Concrete Co.....21,463
 Adam Arras Co.....22,150
 Jacks & Irvine.....24,407
 Leibert & Trobeck.....27,630

As previously reported, reinforcing
 steel and steel sash awarded to Tru-
 son Steel Co., Cal. Bldg.; grading to
 Sibley Grading & Teaming Co., 165
 Landers St.; structural steel to Dyer
 Bros. Iron Works, 17th and Kansas
 Streets.

Sub-bids are wanted on electrical
 and plumbing work.
 Building will run from Bush to Fern
 St. on Franklin and will have steel
 rolling doors, metal sash and terra
 cotta cement floor.

Bids Opened—Under Advertisment.
OFFICES Cost, Approx. \$30,000
EUREKA, Humboldt Co., Cal. SE
 Fourth and A Sts.
 One-story and mezzanine floor steel
 frame and brick office and shop
 building (140x110 ft.)
 Owner—Pickwick Stage System.
 Architect—O'Brien Bros. and W. D.
 Peugh, 315 Montgomery St., San
 Francisco.

Award will be made about Feb. 10.

Bids Rejected.
OFFICES Cost, \$—
WOODBIDGE, San Joaquin Co., Cal.
 Main and Indiana Sts.
 One-story 25x34-ft. concrete offices.
 Owner—Woodbridge Irrigation Dist.,
 Olla L. Strother, secretary.
 Architect—W. J. Wright, Mail Bldg.,
 Stockton.

Following is a complete list of the
 bids:
 J. A. Webster, Lodi.....\$2,930
 Liscom & Salfeld, Stockton.....2,975
 Frank Guyon, Stockton.....3,055
 Barket & Otto, Stockton.....3,074
 Geo. Roek, Stockton.....3,100
 J. J. Cavanaugh, Stockton.....3,108
 J. R. Leighton, Stockton.....3,135
 Peter Hansen, Lodi.....3,228
 Helb Bros., Lodi.....3,259
 E. T. Wismer, Lodi.....3,392
 Wm. J. Scott, Stockton.....3,392
 Cary Bros., Lodi.....3,426
 M. C. Valine, Sacramento.....3,900
 All bids were rejected and work will
 be done by owners by day's labor.

Plans Being Prepared.
STORE Cost, \$25,000
SAN MATEO, San Mateo Co., Cal. SE
 Third Ave. and San Mateo Drive.
 One-story reinforced concrete store
 building (50x115-ft.)
 Owner—Martin Stelling, 155 Montgom-
 ery St., San Francisco.
 Architect—Bertz, Winter & Maury, 210
 Sutter St., San Francisco.
 Bids will be called for shortly.

Bids Opened—Contract Awarded.

BANK Cont. price, \$38,614
REDWOOD CITY, San Mateo County,
 Cal. Upper Broadway and Minnie
 Street.

One-story concrete modern bank
 building (90x90 ft.; Spanish type).
 Owner—San Mateo County Bank, Red-
 wood City.

Architect—Albert F. Roller, Crocker
 First National Bank Bldg., San
 Francisco.

Contractor—Gus Waller, Redwood City
 Following is a complete list of the
 bids:

Gus Waller, Redwood City.....	\$38,614
The Minton Co., Mt. View.....	\$39,973
J. W. Cobby & Son, S. F.....	\$38,985
L. M. Pollard, Redwood City.....	\$39,000
Barrett & Hilt, San Francisco.....	\$39,300
Meese & Briggs, Burlingame.....	41,000

February 3, 1930

Contract Awarded.

ACCESSORY BLDG. Cost, \$100,000
OAKLAND, Alameda Co., Cal. Near
 Old St. Mary's College, Thirtieth
 St. and Broadway

One-story, basement and mezzanine
 floor auto accessory building and
 service station (cover area of 15,-
 000 square feet).

Owner—Firestone Tire & Rubber Co.
 Architect—Chas. McCall, 1404 Frank-
 lin St., Oakland.

Contractor—Harold Paige, 5844 College
 Ave., Oakland.

Will be of steel frame and rein-
 forced concrete construction.

PALO ALTO, Santa Clara Co., Cal.
 —Orpheum Grill, 105 The Circle, suffered
 a fire loss Jan. 31st. Interior
 completely destroyed.

Plans Being Completed.

PUBLISHING PLANT Cost, \$10,000
REDWOOD CITY, San Mateo Co., Cal.
 Washington and Webster Sts.

One-story and mezzanine floor rein-
 forced concrete publishing plant.
 Owner—Standard Printing Co. and
 Times Gazette, Redwood City.

Architect and Mgr. of Constr.—L. F.
 Bourquin, Redwood City.

Construction will be started in about
 one week.

Bids Opened—Under Adjudgement.

BANK Cost, \$30,000
REDWOOD CITY, San Mateo Co.,
 Cal. Upper Broadway and Minnie
 Street.

One-story concrete modern bank
 building (90x90 ft.; Spanish type).
 Owner—San Mateo County Bank, Red-
 wood City.

Architect—Albert F. Roller, Crocker
 First National Bank Bldg., San
 Francisco.

Announcement of award will be
 made shortly.

Plans To Be Prepared.

PUBLISHING PLANT Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 Washington and Webster Sts.

One-story and mezzanine floor rein-
 forced concrete publishing plant.
 Owner—Standard Printing Company
 and Times Gazette, Redwood City.

Architect—Withheld.

Name of architect to be given short-
 ly.

Bids Opened.

BANK BLDG. Cost, \$250,000
SALINAS, Monterey Co., Cal. Main
 Street.

Six-story class A steel frame terra
 cotta and brick bank building.
 Owner—Salinas National Bank.

Architect—Swartz & Ryland, Spazier
 Bldg., Monterey; 373 Main St., Sa-
 linas and Erix Bldg., Fresno.

Lower exterior of building will be of
 pink Minnesota granite, glazed terra
 cotta and brick for exterior of upper

stories. Lobby of bank will be floored
 and walled in marble. Dual elevator
 system; hot water, steam heat, gas
 service and compressed air service.
 Club rooms in basement; safety de-
 posit and storage vaults.

Following is a complete list of the
 bids received:

H. H. Larsen, 64 South Park	
San Francisco	\$257,500
James L. McLaughlin, S. F.....	260,671
K. E. Parker, S. F.....	263,800
Barrett & Hilt, S. F.....	264,637
C. N. Swensen, San Jose.....	270,000
MacDonald & Kahn, S. F.....	275,000
Schuler & MacDonald, Oakland	281,000
Mahony Bros., S. F.....	287,847
Fred. Moller, S. F.....	313,000

Bids held under advisement for one
 week.

THEATRES

Preliminary Plans Approved—Prepar-
 ing Working Drawings.

THEATRE Cost, \$—
OAKLAND, Alameda Co., Cal. Broad-
 way, Franklin and Twentieth Sts.
 Class A theatre (seating 3500).

Owner—Warner Bros.
 Architect—G. Albert Lansburgh, 140
 Montgomery St., San Francisco.

Planned.

THEATRE Cost, \$500,000
PHOENIX, Arizona.
 Class A theatre.

Owner—Fox West Coast Theatres.
 Architect—Not Selected.

Bids Opened—Contract Awarded.

THEATRE & STORES Cost, \$—
BAKERFIELD, Kern Co., Cal. SW
 H and 20th Sts.

Two-story reinforced concrete class A
 theatre and stores (150x122-ft.).
 Owner—Fox West Coast Theatres, Inc.
 Architect—S. Charles Lee, 531 Petrol-
 eum Securities Bldg., Los Angeles.

Contractor—Henry I. Beller Const. Co.
 6513 Hollywood Blvd., Hollywood.

Other bidders were:

A. T. Lane.....	\$269,000
H. M. Baruch Corp.....	278,868
Summer-Solitt Co.....	292,772
J. J. Garfield Bldg. Co.....	297,000
J. Wesley Porderer.....	306,552
Henry Bissler.....	310,000
A. V. Perkinson.....	311,000
Christ Thoren.....	312,500

Contemplated.

THEATRE Cost, \$—
SAN LUIS OBISPO, San Luis Obispo
 Co., Cal.

Fireproof theatre (seat 2000).
 Owner—Fox West Coast Theatres.
 Architect—Not Selected.

Planned.

THEATRE Cost, \$—
SANTA BARBARA, Cal. West Car-
 rillo Street.

Class A theatre.
 Owner—Withheld.
 Architect—Roland F. Sauter, Granada
 Bldg., Los Angeles.

Contract Awarded.

THEATRE Cost, \$25,000
STOCKTON, San Joaquin Co., Cal. E
 Market St. bet. El Dorado and
 Center Sts.

One-story class C brick theatre (to
 seat 650).
 Owner—Angelo Palmero.

Architect—Ralph Morrell, Union Bldg.,
 Stockton.

Contractor—Wieland Bros., McHenry
 Road, Modesto.

Construction will start March 1st.

MISCELLANEOUS CONSTRUCTION

PITTSBURG, Contra Costa Co., Cal.
 —City trustees contemplate con-
 struction of a municipal swimming
 pool. Means of financing the project
 are yet to be worked out. Harry
 Branden, a local man, has submitted
 preliminary plans and proposes to
 finance construction of pool, the city
 to purchase it on a rental plan.

REDDING, Shasta Co., Cal.—J.
 Lester Smith, Montgomery Creek,
 Calif., at \$22½ per pole, awarded
 contract by county supervisors to
 furnish 500 split cedar poles for use
 at the city farm.

Sub bids wanted on marble and
 bronze.

MAUSOLEUM Cost, \$125,000
CHICO, Butte Co., Calif.

One-story concrete mausoleum, inter-
 ior of marble and bronze.

Owner—Memorial Association.
 Architect—Jens C. Petersen, Califor-
 nia State Life Bldg., Sacramento.

Contractor—McGillivray Const. Co.,
 Folsom Blvd. and 65th St., Sacra-
 mento.

Construction has been started.

Sub-Contracts Awarded.
COMFORT STATION Cost, \$50,878

SAN FRANCISCO, Gl. Highway bet.
 Judah and Taraval Sts.

Contract cost station.
 Owner—City and County of San Fran-
 cisco.

Architect—Bureau of Architecture, 2nd
 floor, City Hall.

Contractor—Clinton-Stephenson Com-
 pany, Monadnock Bldg.

Reinforcing Steel—Truscon Steel Co.,
 Cal. Bldg.

Mill Work—Empire Planing Mill, 750
 Bryant St.

Glass—Habenicht & Howlett Glass Co.,
 529 Clay St.

Electrical Work—W. B. Baker & Co.,
 270 6th St.

Lumber—Loop Lumber Co., Central
 Basin.

Painting—Aristo Painting Co., 473
 Bryant St.

Sub-bids are wanted on sheet metal
 and plastering.

Contracts Awarded. Cost, \$45,000
DEPOT
OAKLAND, Alameda Co., Cal. Twen-
 ty-fourth St.

One-story class C brick depot bldg.
 Owner—Tillie R. Spear.

Architect—Russell Guerne deLappe &
 Valdimir Oglov, associate, 1710
 Franklin St., Oakland.

Excavating, Concrete and Carpentry
 —J. R. B. Wilson, 3831 Dale Pl.,
 Oakland, \$26,812.

Iron Work—Pacific Coast Eng. Co., ft.
 of 14th St., Oakland, \$918.

Steel—Sash—Michel and Pfeffer Iron
 Works, 10th and Harrison Sts.,
 San Francisco, \$493.

Roofing—Slate Roofing Co., 4128 Gil-
 bert St., Oakland, \$1750.

Sheet Metal Work—Christiansen and
 Trutsch, 4279 Piedmont Ave., Oak-
 land, \$2,078.

Plastering—Cronin & Burnett, \$911.
Painting—I. Ingebrigtsen & Son, 3772
 Cannon St., Oakland, \$475.

Glazing—Tyre Bros. Glass Co., 310
 Webster St., Oakland, \$2,065.

Magnesite—F. P. Oellerich, 1825 Wool-
 sey St., Berkeley, \$142.

Plumbing—L. J. Druse Co., 6248 Col-
 lege Ave., Oakland, \$2,432.

Electrical Work—Hartman Elec. Co.,
 4733 E 14th St., Oakland, \$1,752.

Driving Steel Piles—Oakland Harbor
 Const. Co., First National Bank
 Bldg., Oakland, \$2,180.

(Continued on Page 24)

Engineering News Section

BRIDGES

REDWOOD CITY, San Mateo Co., Calif.—City council sets April 14 as date to vote bonds of \$32,000 to finance construction of new bridges within city limits in addition to \$2000 to finance repairs to bridge at Stanford St. and Cordilleras Creek. C. L. Dimmitt is city engineer.

LONG BEACH, Los Angeles Co., Cal.—Plans for Orange Ave.-Hill St. viaduct and the Pacific Ave. underpass under consideration by Arthur H. Adams, public service director, and officials of Pacific Electric Co. Orange Ave. viaduct plans completed by city engineering department. Three sets of plans, with cost ranging from \$160,000 to more than \$200,000, drafted for underpass. Railroad company agreed to pay cost. County agreed to pay part of cost of viaduct.

SAN JOSE, Santa Clara Co., Cal.—San Jose Paving Co., San Carlos and Dupont Sts., San Jose, at \$72 awarded contract by city council to surface bridges over Guadalupe Creek at Polhemus and Hobson Sts.

DREDGING, HARBOR WORKS & EXCAVATIONS

RICHMOND, Contra Costa Co., Cal.—Until March 5, 3 P. M., bids will be received by U. S. Engineer Office, Customhouse, San Francisco, for dredging in Richmond Harbor. Specifications obtainable from above office.

NEWPORT, Orange Co., Cal.—Application has been made by City of Newport Beach for War Department permission to dredge the Entrance Channel to Newport Bay, to depth of 15 feet below mean lower low water with bottom width varying from 250 feet up to 430 feet, dredging material to be deposited along shore line west of the west jetty. W. H. Lanasan, Major Corps of Engineers, District Engineer.

SANTA BARBARA, Cal.—City Engineer E. B. Brown has started construction of repairs to the Cabrillo Beach retaining wall, part of which was damaged by recent storms. Rock cribbing will be used in place of sheet piling. Louis Berg, former engineer for Merritt, Chapman & Scott, contractors, is in charge of the work for the city.

SACRAMENTO, Cal.—Until March 5, 11 A. M., bids will be received by U. S. Engineer Office, California Fruit Bldg., 4th and J Sts., for section dredging approximately 1,772,000 cubic yards of material in New York Slough and Suisun Bay. Further information obtainable from above office. Specifications are on file in the office of Daily Pacific Builder, 545-547 Mission St., San Francisco, and may be inspected by those interested.

IRRIGATION PROJECTS

LINDEN, San Joaquin Co., Cal.—Fred H. Tibbets, civil engineer, Alameda Commercial Bldg., San Francisco, has recommended to directors of Linden Irrigation District a bond issue

for \$137,000 to finance construction of irrigation works, of which \$44,850 would be required for gates and valve for the Calaveras dam; \$63,210 for controlling works at Bellota; \$11,960 for the Linden pond; \$3,210 for the Jack Tone pond and \$3,210 for the Waterloo pond, totaling \$136,500; 20% of the total amount to be voted will provide for overhead and contingencies. The district now contains 11,360 acres and with the additional lands proposed for inclusion with the new irrigation work, the area will be increased to approximately 14,000 acres.

STREET LIGHTING SYSTEMS

SANTA CRUZ, Santa Cruz Co., Cal.—See "Streets and Highways," this issue. Resolution of intention to improve Walnut Ave., involving paving, etc., and 20 2-light electrolite (marbelite) standards.

FORTUNA, Humboldt Co., Calif.—City of Fortuna is considering erecting signs at eastern and western limits of city on Redwood Highway. Jay Smith of Civic Committee in charge. More information will be given later.

PALO ALTO, Santa Clara Co., Cal.—See "Streets and Highways," this issue. Electrolite system in connection with widening of California Ave.

MACHINERY AND EQUIPMENT

HAWTHORNE, Nevada—Until February 13, 10 A. M., bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish hydraulic lifting device for cars, railway trailer, to Naval Ammunition Depot at Hawthorne, Nevada. Proposal blanks are obtainable from Navy Purchasing Officer, 100 Harrison St., San Francisco, or direct from the Bureau at Washington.

SACRAMENTO, Cal.—Until Feb. 14, 11 A. M., under Order No. 1586-1585, bids will be received by U. S. Engineer Office, California Fruit Bldg., 4th and J Sts., to furnish one motor-generator arc welding set. Further information obtainable from above office.

SACRAMENTO, Cal.—Until Feb. 6, 5 P. M., bids will be received by H. G. Denton, city clerk, to furnish and de-

liver 4 motor trucks for use of Street Cleaning Division.

Certified check 5% payable to City Controller required with bid. Specifications on file in office of clerk. B. C. Clark, city engineer.

SACRAMENTO, Cal.—Until Feb. 6, 5 P. M., bids will be received by H. G. Denton, city clerk, to furnish and deliver 4 dump bodies for trucks of the Street Cleaning Department.

Certified check 5% payable to City Controller required with bid. Specifications on file in office of clerk. B. C. Clark, city engineer.

OAKLAND, Alameda Co., Cal.—Pacific Coast Engineering Co., Foot of 14th St., Oakland, submitted the only bid at \$3498 to City Port Commission for dredge haul and ladder pipe.

RAILROADS

ORANGE, Orange Co., Cal.—Atchison, Topeka and Santa Fe Railway Co. applied to Railroad Commission for authority to construct crossover track across Chapman Ave. in Orange, and Los Angeles and Salt Lake Railroad Co. applied to Railroad Commission for authority to construct spur track at grade upon and across Altona Place (East San Pedro).

MODESTO, Stanislaus Co., Calif.—The Railroad Commission of the State of California has received a request from the Southern Pacific Company for permission to construct a spur track at grade across Tully Avenue, West Avenue and along Madonia Ave. and a spur track across West Ave. in Modesto.

SUTTER CREEK, Amador Co., Cal.—W. J. Dingee and E. A. Bailey, Sacramento engineers, are in Amador County, particularly in the Sutter Creek District, seeking to purchase rights-of-way for the proposed railroad from lone to the Volcano site of the proposed cement quarry.

FIRE ALARM SYSTEMS

REDWOOD CITY, San Mateo Co., Cal.—City Engineer C. L. Dimmitt preparing plans for traffic signal system at Five Points on El Camino Real.

PALO ALTO, Santa Clara Co., Cal.—City council will install three-light type traffic control system for University Avenue-State Highway intersection. The cost is estimated at \$1,480 for four signals, exclusive of two amber approach lights on either side of the intersection. J. F. Byxbee, Jr., is city engineer.

NAPA, Napa Co., Cal.—City council has entered into contract with the Gamewell Co. to furnish and install an automatic fire alarm system.

FIRE EQUIPMENT

SAN JOSE, Santa Clara Co., Cal.—City council contemplates purchase of new fire apparatus to replace worn out equipment. Considerable new equipment will be added, according to tentative suggestions. C. B. Goodwin is city manager.

SAFETY SHOES

blast, protect the toes from falling objects.

BULLARD-DAVIS, Inc.

SAN FRANCISCO 275 8th St.
M.A.Rket 2322
LOS ANGELES 800 W. 11th St.
Westmore 4179

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN MATEO, San Mateo Co., Cal.—Until February 20, 7:30 P. M., bids will be received by W. H. Taylor, clerk, San Mateo Union High School and Junior College District, to furnish during the period beginning March 1, 1930 and ending February 28, 1931:

1. Fuel oil, commercial grade, gravity in degrees A. P. I. to be not less than fourteen, delivered in tank truck load lots to the schools of the district as ordered.

2. Lubricating oils, Eastern and Western, light, medium, and heavy, delivered in barrel lots to San Mateo High Schools as ordered. Specify trade names.

3. Stone distillate, 30°-32° Gravity, 165° Flash, delivered in lots of two hundred gallons, more or less, to the schools of the district as ordered.

Bids may be submitted on any or all of the above items. Further information obtainable from clerk.

SIERRA MADRE, Los Angeles Co., Cal.—City of Sierra Madre awarded contract by city council at \$28,368 (plus force account charges for installing fire hydrant connections, couplings, and service connections) for trenching, laying, and backfilling, for about 49,750 lin. ft. of steel pipe, pipe to be furnished by the city.

OAKLAND, Cal.—Until February 13, 12 noon, bids will be received by Frank C. Merritt, city clerk, to furnish white paint for remainder of the fiscal year ending June 30, 1930. Bond of \$200 required of successful bidder. Specifications obtainable from the office of the clerk.

RESERVOIRS AND DAMS

SAN BERNARDINO, Cal.—Constructing of second check dam in Lytle Creek Canyon voted by members of Lytle Creek Water Conservation Assn., City Engineer C. A. Hutchinson of Colton president. Proposed dam will be 3000 ft. in length, costing \$35,000. Will be located approximately one-half mile below original works.

LOS ANGELES, Cal.—Department of Water and Power engineers conducting survey to determine level of Chatsworth Dam when dams are constructed. In order to raise the level of the reservoir 20 ft., it will be necessary to build five dams.

PIPE LINES, WELLS, ETC.

AGNEW, Santa Clara Co., Cal.—J. B. Holthous, Santa Clara, at \$1,800 awarded contract by State Department of Public Works, Division of Architecture, to drill well at Agnew State Hospital. Informal bids were taken for this project.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Feb. 18, bids will be received by Beverly Hills city council for labor and material to install one deep well centrifugal pump in accordance with plans prepared by Salisbury, Bradshaw & Taylor, 745 Petroleum Securities Bldg., Los Angeles. B. J. Firminger, city clerk.

ELWOOD, Calif.—Application has been made by C. J. Mahoney for War Department permission to construct six buried pipe lines from approximately 7½ to 10½ feet of seaward of mean high tide line across submerged lands held under State Tideland Pros-

pecting Permits by L. G. Dreyfus, Wm. L. Appleford, C. C. Spaulding, Pacific Western Oil Co., Barnsdall Oil Co., Hankline Oil Co., Elwood Exploration Co. and C. J. Mahoney, in Pacific Ocean near Elwood, Calif. Map showing location of the proposed work will be on exhibition in the office of the U. S. Engineer, 725 Central Bldg., Los Angeles, until 11 A. M., Saturday, February 8, 1930. W. H. Lanagan, Major, Corps of Engineers, Dist. Engineer.

OCEANSIDE, San Diego Co., Cal.—Until 7:30 P. M., Feb. 26, bids will be received by city council for excavating of 1200 ft. of trench for water pipe line along Mission Ave. and Carey Road and into old reservoir site in accordance with plans at office of city engineer. Bids will also be received for uncovering with trenching machine approx. 1000 ft. of 10-in. water pipe about 2 ft. deep. R. L. Loucks, city engineer.

MARTINEZ, Contra Costa Co., Cal.—Gerwick Construction Co., San Francisco, awarded contract for constructing pumping plant at Mallard Slough by California Water Service Corp. Will be used to pump water out of San Joaquin River into pipes and carried to reservoir at Clyde.

SEWERS AND SEWAGE DISPOSAL PLANTS

PASADENA, Los Angeles Co., Cal.—Hardinge Co., awarded contract by the city directors at \$18,900 to furnish and install one cylindrical, revolving, double shell dryer and appurtenant apparatus for drying sewage sludge at the Pasadena sewage disposal plant near Alhambra.

LAS VEGAS, Nevada—Bond issue of \$200,000 will be necessary to provide funds for construction of proposed disposal plant and new collection system for Las Vegas, according to Sewer Commissioner Lou Hansell. Cost of plant \$50,000. Balance of the funds will be expended for mains. Koebig & Koebig, 821 Rowan Bldg., Los Angeles, engineers.

LOS ANGELES, Cal.—Chutuk, Kor-dich & Vukojevich, 2518 Percy St., Los Angeles, submitted the low bid to the Board of Public Works at \$145,535.53 to construct sewers in 13th St. and Leland St. Sewer Dist. (1911 Act.)

EL SEGUNDO, Los Angeles Co., Cal.—Clyde Smith, consulting engineer, Los Angeles, is preparing plans for an activated sludge treatment plant which the Standard Oil Co. is to build at El Segundo to purify or treat about 7,000,000 gallons of effluent per day to be purchased from the city of Los Angeles, for use in cooling towers, etc. at the refinery.

SALINAS, Monterey Co., Cal.—Until Feb. 10, 7:30 P. M., bids will be received by M. R. Keef, city clerk, to construct sanitary sewer from Alisal St. to Griffin St. Plans on file in office of clerk. Howard Cozens, city engineer.

FRUIT RIDGE, Sacramento Co., Cal.—Fruit Ridge Community Club is conferring with Chas. Deterding, Jr., county surveyor, regarding the construction of a sanitary sewer system to connect with the Sacramento city trunk sewer in 14th Ave. The cost is estimated by the engineer at \$110 a front foot. A second proposal is to join the proposed system with the Gould Tract and the Fruit Ridge district to build its own main sewer to

the river for both sanitary and storm purposes as well.

BURLINGAME, San Mateo Co., Cal.—Until March 3, bids will be received by J. R. Murphy, City Clerk, to extend existing sanitary sewer laterals; construct 12-in., 15-in. and 18-in. storm sewers; manholes; fill pavement depressions, etc., in Primrose Ave. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

REDWOOD CITY, San Mateo Co., Cal.—City council sets April 14 as date to vote bonds of \$7000 to finance construction of storm sewers in Jefferson street and \$5000 for storm sewers in other streets. C. L. Dimmitt, city engineer.

FAIRFIELD, Kern Co., Cal.—T. D. Kilkenny, city engineer of Vallejo, is conferring with county supervisors regarding formation of a sewer district in the vicinity of Vallejo. After formation the district would vote bonds to finance construction of a sewer system.

SAN FRANCISCO—L. J. Cohn, 117 Montgomery St., at \$59,334, submitted low bid to Board of Public Works to construct 15th St. sewer, Section A from Harrison St. to Howard St. Funds will be provided from the Sewer Bond Issue. Project will involve approx. 940 ft. 6-ft. 6-in. by 8-ft. 6-in. reinf. conc. sewer; 230 ft. 6-ft. reinf. conc. circular sewer; 28,000 sq. ft. wood piling. Meyer Rosenberg, second low, at \$62,629, and Rocca and Coletti, \$65,242, third low.

MISCELLANEOUS CONSTRUCTION

SANTA ANA, Orange Co., Cal.—County Supervisors have appointed board of consulting engineers to conduct survey and to formulate flood control plan for conservation of county water supplies. Engineers are: Thomas H. Means, G. A. Elliott, and Prof. B. A. Etcheverry.

WATER WORKS

FALO ALTO, Santa Clara Co., Cal.—City council will provide \$3300 in 1930-1931 budget to finance replacement of 6-inch water pipe line from Matadero Creek to Arastradero road south of the city. J. F. Byrbee Jr., city engineer.

FALO ALTO, Santa Clara Co., Cal.—L. A. Anderson, Palo Alto, at \$13.50 ft. awarded contract by the city council for new well in connection with water system at Colorado Ave. and Alma St. The estimated cost of the well and pumping plant is placed at \$13,300. J. F. Byrbee Jr., is city engineer.

LONG BEACH, Calif.—The water rights committee of Long Beach chamber of commerce is considering the advisability of placing before the voters a \$4,460,000 bond issue to finance a program of expansion for the city's water resources and system.

SACRAMENTO, Cal.—Byllesby Interest of Chicago will finance and develop \$12,000,000 Capay water project near Woodland, Yolo Co. Surveyors and engineers are now preparing for construction of huge dam 25 miles west of Woodland to store waters of Cache district.

DOWNEY, Los Angeles Co., Cal.—Edgley Co., 800 East 61st St., L. A., submitted the low bid to the Downey Water District at \$28,495.06 (on 18-ft. lengths for pipe, for installing cast iron pipe and fittings for water system to be constructed for the district. Low bidders on materials were as follows: Ducommun Corp., L. A., on valves, valve boxes and hydrants at \$7329.06; V. A. Thompson, on hydrants (California type) at \$4829; Pacific Pipe & Supply Co., on hydrants (Kennedy type), at \$3229.84; American Cast Iron Pipe Co., on cast iron pipe and fittings at \$60,639.12; Minneapolis Moline Power Implement Co., for furnishing and erecting steel tank and tower at \$12,733. Bids were taken under advisement. Burns-McDonnell-Smith Engineering Co., 422 Western Pacific Bldg., L. A., engineers.

VENTURA, Ventura Co., Calif.—County of Ventura has applied to the Railroad Commission for authority to construct an undergrade crossing connecting the Los Angeles Ave. with Oak Park, under the tracks of Southern Pacific Railroad.

SAN MATEO, San Mateo Co., Cal.—The Railroad Commission has granted a certificate of public convenience and necessity to Millbrae Highlands Water Company to operate a public utility water system on a portion of the Buri Buri Rancho in San Mateo County, at rates similarly charged by Spring Valley Water Company, and including a charge of \$1.00 per month for each fire hydrant.

SEATTLE, Wash.—J. F. Ward, Inc., Lyon Bldg., at \$39,196 submitted low bid to the Board of Public Works to construct the Lake Youngs Aqueduct intake at the diversion dam of the city's water supply. City Engineer's estimate is \$115,000.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor George A. Kneese is preparing plans for a water supply system at Millbrae, property owners having petitioned for the work.

SANTA ANA, Orange Co., Cal.—Lee R. Weber, 9632 San Antonio Ave., South Gate, awarded contract by the county supervisors at \$38,195 to construct water distributing system at Villa Park under C. I. No. 26, involving 5125 ft. 8-in., 2822 ft. 6-in., 28,490 ft. 4-in. and 19,337 ft. 2-in. cast iron pipe. Gate valves, fire hydrants, fittings, etc.

SIERRA MADRE, Los Angeles Co., Cal.—A. L. Gabrielson, Box 104, Arlington, submitted low bid to the city council Jan. 27, at \$36,453 for trenching, laying and backfilling, for about 49,750 lin. ft. of steel pipe, pipe to be furnished by the city.

STREETS AND HIGHWAYS

SAN FRANCISCO, Union Paving Co., Cal.—City Bldg., at \$14,868 awarded contract by S. J. Harbor Commission for paving Pler No. 48. Project involves 172,900 sq. ft. 1½-in. Topeka surface and 64,300 sq. ft. 2-in. Topeka surface and 35,600 sq. ft. 1½-in. Topeka surface on 2-in. binder. Frank G. White, chief engineer of commission. Ferry Bldg.

Following is a complete list of the bids:
(1) 152,900 sq. ft. 1½-in. Topeka surface; (2) 64,300 sq. ft. 2-in. Topeka surface; (3) 35,600 sq. ft. 1½-in. Topeka surface on 2½-in. binder. Union Paving Co., (1) \$4.04; (2) \$4.06; (3) \$4.14; \$14,868.
Fay Inc. Co., (1) .046; (2) .063; (3) .05; \$15,208.30.
Pacific States Paving Co., (1) .45; (2) .64; (3) .11; \$15,311.70.

Meyer Rosenberg, (1) .45; (2) .06; (3) .12; \$15,910.50.
A. J. Ralsch, (1) .49; (2) .64; (3) .117; \$16,752.50.
L. J. Cohn, (1) .049; (2) .06; (3) .108; \$16,002.
Eaton & Smith, (1) .05; (2) .067; (3) .12; \$17,225.10.

SALINAS, Monterey Co., Cal.—Until February 19, 10 A. M., bids will be received by C. F. Joy, County Clerk, for crushing and stockpiling rock in Supervisor Districts Nos. 3 and 4. Specifications on file in office of Clerk. Howard F. Cozzens, county surveyor.

SALINAS, Monterey Co., Cal.—Until February 19, 10 A. M., bids will be received by C. F. Joy, county clerk, for crushing and stockpiling broken stone for the Carmel Valley Road in Supervisor District No. 5. Plans on file in office of clerk. Howard F. Cozzens, county surveyor.

SALINAS, Monterey Co., Cal.—Until February 19, 10 A. M., bids will be received by C. F. Joy, county clerk, to construct earth approaches to Lonoak and Panchoico Creek Bridges in Supervisor District No. 4. Specifications on file in office of clerk. Howard Cozzens, county surveyor.

SAN FRANCISCO—C. L. Harney, 74 New Montgomery St., at \$12,997, submitted low bid to Board of Public Works to improve Castro St. from pavement in 29th St. to 30th St. and 30th St. east to pavement in 20th St., involving grading; construct reinforced concrete stairways with 2 pipe railing, reinf. concrete walls, curbs, fence, gutters and coping; ironstone sewers with manholes, wye branches and side sewers; brick catch basins; gutter sump and storm water inlets and at 29th, Day and 30th Sts., by construction of red warning lights and reflectors; 6-in. conc. base pavement with 1½-in. asph. conc. surface; and a concrete pavement and art. stone sidewalks. Fay Improvement Co., second low at \$13,288, and E. J.

SANTA BARBARA, Calif.—Bid of Santa Maria Const. Co., submitted to the board of supervisors Feb. 8, at \$988.80 for constructing the shoulder and oiling of the present roadway on the Orcutt-Casmalia Road in the 5th Road District, from the Lower Orcutt Road for a distance of three miles west toward Casmalia, were rejected and Supervisor Prisker of the 5th District ordered to do the work by force account.

REDWOOD CITY, San Mateo Co., Cal.—City Engineer C. L. Dimmitt preparing plans to open and widen Hudson and May Sts. south from Jefferson Ave. to the Woodside road; will be 60-ft. wide. Property rights will cost \$10,000.

REDWOOD CITY, San Mateo Co., Cal.—City council sets April 14 as the date to vote bonds of \$9,000 to finance opening and improving of Warwick St. C. L. Dimmitt is city eng.

SACRAMENTO, Cal.—City declares intention (2294) to improve the alley between W. and X. 15th and 19th Sts., involving C. I. drains; vit. sewers; reconstruct manhole; 1-in. water service connections; grading; hydraulic concrete pavement. 1911 Act. Bond Act. 1915. Hearing Feb. 20. H. G. Denton, city clerk. B. C. Clark, city engineer.

SACRAMENTO, Cal.—City declares intention (2295) to improve alley between S and T, 26th and 27th Sts., involving C. I. drains; vit. sewers; reconstruct manhole; grade; 1-

in. water main connections; hydraulic concrete pavement. 1911 Act. Bond Act. 1915. Hearing Feb. 20. H. G. Denton, city clerk. B. C. Clark, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Proceedings have been started by the city council to pave N. Third St. bet. Humboldt and Keyes Sts., and north half of William St. bet. Coyote Creek bridge and 24th St. Wm. Popp is city engineer.

PERSHING CO., Nev.—Until Feb. 19, 2 P. M., bids will be received by State Highway Commission to grade, construct structures and gravel surface, 22.24 miles in Pershing County between Woolsey and two miles south of Humboldt House. Deposit of \$15 required for plans, of which \$10 is returnable.

PALO ALTO, Santa Clara Co., Cal. City will start proceedings shortly to widen and improve California Avenue from Alma St. to El Camino Real. The cost is placed at \$181,501 of which \$60,601 will be for widening; \$47,660 for street paving, curbs, etc., and \$10,240 for electrolites. J. F. Byxbee, Jr.

PALO ALTO, Santa Clara Co., Cal.—City council will request county supervisors to assist in financing opening and widening of Colorado Avenue from the Palo Alto city limits to the proposed Bayshore Highway and widening of Embarcadero rd. from Middlefield road to the bayshore lands owned by the city. J. F. Byxbee, Jr.

MARTINEZ, Contra Costa Co., Cal.—County Surveyor R. R. Arnold making surveys for road from Treat Orchard and Ygnacio Valley road along Treat Lane to the San Miguel road in Ygnacio Valley. Property owners have petitioned for the work.

SAN FRANCISCO—Until Feb. 19, 2:30 P. M., bids will be received by Board of Public Works to construct artificial stone sidewalks in portions of Flood Ave., 27th Ave., 23rd Ave., etc. Est. cost, \$400.

Bids, same date, to construct artificial stone sidewalks in portions of Silliman St., Felton St., Burrows St., etc. Est. cost, \$400.

Bids, same date, to remove sand from sidewalk area and construct bulkhead (3-ft. high) in west side of 22nd Ave. from point 225-ft. north of Moraga to point 300-ft. north of Moraga. Est. cost, \$400.

Bids, same date, to remove sand from sidewalk area and construct bulkhead (3-ft. high) in north half of 19th St. from point 100-ft. east of Sanchez to point 150-ft. easterly. Est. cost \$400.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SALINAS, Monterey Co., Cal.—Until Feb. 19, 10 A. M., bids will be received by C. F. Joy, county clerk, to grade and surface the Bitterwater rd. from King City to the county line in Supervisor District No. 3. Specifications on file in office of clerk. Howard Cozzens, county surveyor.

LOS ANGELES, Cal.—Proposed Palos Verdes Highway project as outlined by the county surveyor's office, provides for a 60-ft. concrete pave. in a parkway graded to 225 ft., extending from 79th St. and Angelus Mesa, through Inglewood, Torrance and terminating at Palos Verdes. The estimated cost, including trees and curbs, will be \$3,000,000, of which one million would be assessed against Palos Verdes, \$1,023,993 against Torrance and the balance against property owners along the route.

CULVER CITY, Los Angeles Co.—Until 8 P. M., Feb. 10, bids will be received by the city council to improve Washington Blvd. from Culver Blvd. to the east city limits. Geo. E. Lee, city engineer. Certified check or bond, 10%. P. H. Jarrett, city clerk. Project involves: 534,467 sq. ft. removal of existing 1½-in. to 2½-in. surface and placing 2-in. Permacrete resurf. (price per ton, about 66,808 tons); 2926 sq. ft. 6-in. asphalt. conc. base with 2-in. Permacrete surf. (per sq. ft.); 251 ft. curb; 6355 sq. ft. walk; 1651 sq. ft. 7-in. cement conc. drive-ways; 11,000 sq. ft. grading.

FRESNO, Fresno Co., Cal.—County supervisors will call for bids soon for paving of Whites Bridge Road from Mendota to Firebaugh and of Mount Whitney Ave. from near Riverdale to Lanare. C. P. Jensen is the county surveyor. Total est. cost is \$100,000, using Bitumuls type of pavement. The first named road is 10 miles long, the latter five.

HOLLISTER, San Benito Co., Cal.—City Engineer A. M. McCray is completing estimates of cost to pave South Street from San Benito to Railroad tracks; East St. from Third to Hawkins and Fifth St. bet. Powell and Line St.

SAN JACINTO, Riverside Co., Cal.—Until 7:30 P. M., Feb. 10, bids will be received by city council for construction of sewage collection system and sewage disposal system in accordance with plans prepared by Koebig & Koebig, consulting engineers, 821 Rowan Bldg., Los Angeles; \$25 deposit for plans. Quantities as follows: 49,434 ft. 8-in., 5,437 ft. 10-in. and 6,620 ft. 12-in. vit. sewer; 1,800 ft. 2-in. galv. iron pipe; 84 10-in. wyes; 256 12-in. wyes; 139 manholes; 13 flush tanks; 1,052 8-in. wyes. Disposal plant consisting of pipe, fittings, Imhoff tank, pumping plant, sludge beds, filter beds industrial filter beds, walks, etc.

TUCSON, Ariz.—Pima county supervisors authorized calls for bids for new road projects, Nos. 228, 229, 230 and 232. Road 228 is El Camino de Cerro.

CARSON CITY, Nev.—Nevada Rock & Sand Co., Reno, Nev., awarded contract by Nevada Highway Commission at \$69,147.67 for reconstruction of portion of state highway system in Lyon and Churchill counties, from ½ mile west of Fernley to Fernley, and from 3 miles east of Fernley to Leeterville, a total of 17.99 miles, involving grading, structures and gravel surface. S. C. Durkee, state engineer.

RIVERSIDE, Riverside Co., Calif.—Resolution of Intention No. 1658 adopted by city council for improving Indiana Ave. bet. Washington St. and Arlington Ave., and portions of other streets, involving grading, 5-in. asphalt. conc. pavement, 1½-in. asphalt. concrete wearing surface, combination curb and gutter, curb, double gutters, corr., iron and concrete culverts, catchbasins, steel reinf. conc. drainage intake structures. 1911 Act. Protests Feb. 11. G. A. Mills, city clerk.

LYON-CHURCHILL COS., Nevada.—Nevada Rock and Sand Co., Reno, at \$69,147.67 awarded contract by State Highway Commission to improve 17.99 miles of highway from ½ mile west of Fernley to Fernley and from three miles east of Fernley to Leeterville, involving grading, structures and gravel surface. Other bids were: A. D. Drumm, Jr., Fallon, Nevada, \$70,131; J. N. Tedford, Fallon, \$71,808; Isbell Const. Co., \$81,706; Nevada Contracting Co., \$83,133. Pipe and culverts will be furnished under a separate

contract by California Corrugated Culvert Co., Berkeley, Calif., bidding \$1,503.92. Planigan Warehouse Co., Reno bid \$1,555.45, and W. E. Newman and Sons Co., Ogden, Utah, \$1,711.

LOS ANGELES, Cal.—A. T. Dolan, 1137 N. Ocean Ave., Hynes, submitted low bid to board of public works at \$33,903.32 for constructing storm drain in Vernon Ave., between 8th Ave. and 11th Ave., and other streets.

OAKLAND, Cal.—J. H. Fitzmaurice 354 Hobart St., at \$0.157 sq. ft. submitted low bid to the city council to construct cement sidewalks in portions of 35th Ave., Sheffield Ave., Livingston St., etc. Other bids: Schnoor Bros. \$0.168; V. Di Zillo, \$0.169; A. Soda, \$0.1775.

ANAHEIM, Orange Co., Calif.—City Engineer E. P. Hapgood estimated cost of paving Palm St. bet. South St. and Vermont Ave. with asphaltic concrete at \$43,000.

LOS ANGELES, Cal.—Until 10 A. M., Feb. 19, bids will be received by Board of Public Works for improving 89th St., between McKinley Ave. and Avalon Blvd., involving concrete paving, D. G. rdwy., curb, walk, ornamental lighting conduit. 1911 Act.

MENDOTA, Fresno Co., Cal.—Paving of White Bridge from Mendota to Firebaugh, Mt. Whitney Ave., from Riverdale to Lanare, etc., was voted by County Supervisors. Surfacing of roads will begin under direction of Chris P. Jensen, County Surveyor. Work involves 15 miles to cost \$150,000. Bitumuls mixture was recommended.

REDWOOD CITY, San Mateo Co., Cal.—Frank Bryant, 2911 23rd Street, San Francisco, at \$27,848 awarded contract by county supervisors to construct new county road from La Honda to Alpine Peak in the County Memorial Park, involving two miles of grading and paving.

LOS ANGELES, Cal.—Until 10 A. M., Feb. 19, bids will be received by Board of Public Works for improving Hanford Ave., between 1st and 3rd Sts., involving grading, concrete pavement, asphalt. conc. pavement, gutter, curb, walk, vit. sewer, vit. house sewers. C. I. water mains, resurface with fine sheet asphalt. wearing surface. 1911 Act.

OJAI, Ventura Co., Cal.—Award of contract for Ojai sewage disposal plant taken under advisement. C. N. Hoak Co. of Long Beach low bidder.

SAN FRANCISCO.—Suit to compel counties of Santa Cruz, San Francisco and San Mateo to contribute propor-

tional amounts for construction of two units of Coast Highway between San Francisco and Santa Cruz will be filed in supreme court in February.

The highway district will base its suit on the expected refusal of the counties to meet a demand for deposit of \$669,735 in the district construction fund. San Mateo county's assessment totals \$200,920, that of Santa Cruz \$100,461 and that of San Francisco \$368,354.

CARSON CITY, Nevada—Nevada Rock & Sand Co., Reno, Nevada, awarded contract by Nevada Highway Commission at \$69,147.67 for reconstruction of portion of State Highway System in Lyon and Churchill counties, from ½ mile west of Fernley to Fernley and from 3 miles east of Fernley to Leeterville, involving 17.99 miles of grading, structures and gravel surface.

SAN LUIS OBISPO, Cal.—J. F. Knapp, Oakland, at \$272,648 awarded contract by State Highway Engineer for highway construction in San Luis Obispo County, between Santa Maria River and Los Berros Creek, about 7.2 miles, to be graded and paved with concrete.

BUENA PARK, Orange Co., Cal.—County Road Commissioner Nat H. Neff estimated cost of improvements proposed for Manchester Ave., Commonwealth Ave. and Whitaker Ave., to provide connections with Los Angeles county highway, at \$110,000. County promised \$45,000.

LOS ANGELES, Cal.—Until 10 A. M., Feb. 19, bids will be received by Board of Public Works for improving Bellevue Ave., between Sunset Blvd. and Glendale Blvd., involving grading, concrete paving, asphalt. conc. paving curb, walk, gutter, combination gutter, concrete retaining wall, reinf. conc. culvert, reinf. conc. pipe storm drains, vit. sewers, remodel catchbasins, curb armor, move and reset iron post and wire mesh fence and appurtenances, ornamental light conduit. C. I. water mains, fire hydrants. 1911 Act.

SAN BERNARDINO, Cal.—Resolution of Intention No. 2946 adopted by city council for constructing sewer in Willow Ave., between 15th and 16th Sts., involving 8-in. vit. sewer, three manholes and 4-in. connecting sewers. 1911 Act.

SEATTLE, Wash.—Until Feb. 17, 2 P. M., bids will be received by John E. Carroll, President City Council, for improvements at Alki Ave., Beach Drive, etc., for grading and graveling, constructing concrete bulkheads, concrete sidewalks, etc. Plans prepared by City Engineer.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;
Blacksmithing and Welding.

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 ZOE ST., bet. 3rd and 4th, off Brannan St.

Phone KEarny 1885

SAN FRANCISCO

CALAVERAS CO., Cal.—Until Feb. 25, bids will be received by State Highway Commissioner to supply base and surfacing of approx. three miles of Calaveras Creek on the Mother Lode Highway.

OAKLAND, Cal.—Until February 13, 12 noon, bids will be received by Frank C. Merritt, city clerk, to improve Plymouth Ave., bet. Jones and 99th Aves., 99th Ave., bet. Birch and Plymouth Aves., and Cherry Ave., bet. 99th and 100th Aves., involv. corrugated iron and concrete culverts sewer with lampholes and wyse branches. Imp. Act 1911. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Geo. N. Randle, city engineer.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes plans to improve Eugenia Ave., between Elsie and Winfield Aves., including crossing at Winfield Ave., involving 875 cu. yds. excavation; 338 lin. ft. armored concrete curb; 120 lin. ft. 8-in. V. C. P. sewer; 2 brick manholes; 8 8x6-in. wyse branches; 44 lin. ft. 6-in. V. C. P. sewer; 1 brick catchbasin; 19 lin. ft. 12-in. V. C. P. sewer; 15 lin. ft. 10-in. V. C. P. culvert; 228 sq. ft. 2-course concrete sidewalk; 444 sq. ft. asph. concrete pavement, 2-in. asph. conc. surface on 6-in. Class F conc. base. Estimated cost \$3400.

MARTINEZ, Contra Costa Co., Cal.—Until February 17, bids will be received by county supervisors for improvements in Street Imp. District No. 3, just outside the Richmond city limits, involving the widening of Lowell Ave. and 36th St. and widening and extension of Humphrey Ave.; estimated cost, \$26,461. E. A. Hoffman, engineer, City Hall, Richmond. Plans are on file in office of county clerk at Martinez.

OAKLAND, Alameda Co., Cal.—Bids are being taken by City Port Commission for grading and paving A St. north of warehouse B, Otter Harbor Terminal, with oil macadam. Work involves 1485 tons crushed rock base course, 550 tons rock and screening for surface course; 150 bbls. asphaltic road oil. Specifications obtainable from above office.

MARTINEZ, Contra Costa Co., Cal.—California Construction Co., Standard Oil Bldg., San Francisco, at \$12,986 awarded contract by county supervisors for improvements in Street Imp. District No. 4, involving the paving of west side of San Pablo Ave. and portions of Tular, Maricopa, Lowell and Rheem Aves., bet. the Richmond city limits and San

Pablo Ave. Central Construction Co., Oakland, only other bidder at \$13,101.

MILL VALLEY, Marin Co., Cal.—Proceedings have been started by the town trustees to pave streets in the Middle Ridge section; estimated cost \$250,000. Concrete pavement will be specified. F. H. Lacy is city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until March 3, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Ferguson road and a portion of the Leavesley road in Supervisor District No. 1. Plans on file in office of clerk.

UPLAND, San Bernardino Co., Cal.—Property owners on Foothill Blvd., within city limits of Upland, met recently with city council and city engineer, R. C. Manley, to discuss plans for improvement of highway. State adopted 80-ft. width for Foothill Blvd., through Upland instead of 100 ft.

SANTA CLARA, Santa Clara Co., Cal.—Peninsula Paving Co., Call Bldg., San Francisco, at \$110,363.60 awarded contract by city council to improve portions of Fremont, Benton, Liberty, Lafayette, Alviso, Lexington and Sherman Sts. (approximately 50 blocks in all), involving grading; asphalt concrete on quarry waste base; cement concrete curbs, gutters, walks, and driveway approaches; vitrified clay pipe main sanitary sewers; wyse branches and laterals. Other bids were: Union Paving Co., San Francisco, \$112,472; Ralsch Improvement Co., San Francisco, \$117,246.

KERN COUNTY, Cal.—George Herz & Co., San Bernardino, at \$242,768 submitted low bid to State Highway Comm. to grade and surface with oil treated crushed gravel or stone, 15 mi. bet. Cinco and 7 mi. north of Ricardo. Project involves: 174,000 cu. yds. rdwy. excav. without class, location 1; 54,000 cu. yds. rdwy. excavation without class, location 2; 608,000 sta. yds. overhaul 2400 cu. yds. struct. excav.; 690 cu. yds. rock backfill (overflow dips) 15,500 cu. yds. binder for subgrade; 4300 M gals. water applied to subgrade and surf.; 33,400 tons crusher run base; 24,600 tons oil treated crushed gravel or stone surf.; 900 cu. yds. crushed gravel or stone screenings (seal coat); 700 bbls. fuel oil (seal coat); 72 cu. yds. class A cem. conc. (struct.); 695 cu. yds. class A cem. conc. (pave. dips); 17,500 lbs. bar reinf. steel (pave. dips and struct.); 90 cu. yds. remove and dispose of existing cement conc. (pave. dips); 1712 lin. ft. 13-in., 908 lin. ft. 24-in., 670 lin. ft. 30-in., 100 lin. ft. 36-in. and 69 lin. ft. 42-in. corrugated metal pipe;

1.8 miles move and reset property fence; 792 sta. finish rdwy.; 107 monuments. State will fur. corr. metal pipe.

SAN JOSE, Santa Clara Co., Cal.—Until March 3, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Singleton road in Supervisor District No. 2, and the Dempsey road in Supervisor District No. 3. Plans on file in office of clerk.

SANTA BARBARA COUNTY, Calif.—Cornwall Const. Co., Santa Barbara, at \$153,239 awarded contract by State Highway Commission to grade and pave with concrete, 4 miles between Zaca and Wignore. Project involves: 23 sta. clearing and grubbing right-of-way; 100,000 cu. yds. rdwy. excav. without class; 234,000 sta. yds. overhaul; 2550 cu. yds. struct. excav.; 44,500 sq. yds. subgrade for pave.; 1100 cu. yds. cushion course; 9650 cu. yds. class A cem. conc. (pave.); 150 cu. yds. class A cem. conc. (struct.); 237,500 lbs. bar reinf. steel (pave. and struct.); 876 lin. ft. 13-in., 493 lin. ft. 24-in. and 202 lin. ft. 30-in. corr. metal pipe; 352 lin. ft. corr. metal pipe (clean and relay); 4.8 mi. new property fence; 2300 lin. ft. solid timber guard rail; 2050 cu. yds. removing and disposing of cem. conc. in existing pave. and struct.; 1009 bbls. fuel oil (shoulders); 211 sta. finish rdwy.; 35 monuments. State will fur. corr. metal pipe as more explicitly set forth in the special provisions.

SAN LUIS OBISPO COUNTY, Cal.—J. F. Knapp, 3501 Horton St., Oakland, at \$272,648 awarded contract by State Highway Commission to grade and pave with concrete 7.2 miles between Santa Maria River and Los Reros Creeks. Project involves: 157,250 cu. yds. rdwy. excav. without class; 700,000 sta. yds. overhaul; 3000 cu. yds. struct. excav.; 64,500 sq. yds. subgrade for pave.; 3900 cu. yds. cushion course; 17,250 cu. yds. class A cem. conc. (pave.); 885 cu. yds. class A cem. conc. (struct.); 500,000 lbs. bar reinf. steel (pave. and struct.); 425 tons crusher run base; 716 lin. ft. 13", 684 lin. ft. 24", 208 lin. ft. 36" and 62 lin. ft. 42" corr. metal pipe; 47 lin. ft. corr. metal pipe (clean and relay); 12.3 miles new property fence; 2215 cu. yds. removing and disposing of cem. conc. in existing pave. and struct.; 1815 bbls. fuel oil (shoulders); 388 stations finish rdwy.; 75 monuments. State will fur. corr. metal pipe and east steel frame and covers for drop inlets.

PLUMBING INSPECTORS ELECT OFFICERS

J. B. Davis of Pasadena, was elected president of the Plumbing Inspectors' Association of California at the annual meeting of that body held in Los Angeles. Other officers are: G. R. Hilliker, Fresno, vice-president, No. Division; O. L. Casiday, Pomona, vice-president, So. Division; Stephen I. Smoot, Los Angeles, secretary-treasurer. Executive committee, So. Division: Charles Bailey, Los Angeles; R. N. Clapp, Alhambra; Joseph T. Curley, Long Beach; E. T. Wood, San Marino; Clifford Wyckoff, Glendale.

At this meeting it was voted to suspend the initiation fee and to reduce the dues for active members to \$5.00 per year payable in advance, and to place the fee for associate membership at \$25.00. All qualified inspectors who are employed in inspecting plumbing are eligible for active membership.

Reports from Northern California indicate that this division is rapidly being organized and that before long the northern inspectors will be meeting regularly.

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Timpie Hydrated Lime

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Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

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MISCELLANEOUS CONSTRUCTION

REDWOOD CITY, San Mateo Co., Cal.—Gus Waller, Redwood City, at \$4,952.67 awarded contract by City Manager Rolison to erect one-story "bungalow" type animal shelter building (municipal pound). The structure will be 24 by 50 ft. The project is being financed through the donation of Mrs. Marguerite Courtney of Santa Barbara.

SAN FRANCISCO—J. W. Cobby & Son, 260 Tehama St., at \$21,973, submitted low bid to Board of Public Works to rehabilitate the Stockton St. Tunnel, involving waterproofing, painting, lighting and general repairs.

Plans Being Figured—Bids Close Feb. 21st.

ALTERATIONS Cost, \$900,000
LOS ANGELES, Cal. Exposition Park Removal of upper half of coliseum and reconstructing of reinforced concrete.

Owner—City of Los Angeles.

Architect—John and Donald Parkinson, Title Insurance Bldg., Los Angeles.

Deposit of \$100 required for plans.

CALIFORNIA—Four sites are under consideration by Navy Dept. for location of proposed \$5,000,000 naval dirigible base for Pacific Coast. Four sites under consideration are: Sunnyvale, Camp Kearney, Sacramento and Visalia. Camp Kearney and Sunnyvale are favored.

SAN LEANDRO, Alameda Co., Cal.—City Manager W. A. Richmond has been authorized to draw plans for an outdoor swimming pool at the Roosevelt School, Dowling Blvd. and Gill Lane. The cost of the pool is to be approx. \$18,000, funds having been provided through the will of the late Henrietta Farrelly. Pool is to be known as "Farrelly Pool" when completed.

Bids To Be Taken In About One Week
AIRDOME Cost, \$1,000,000 or more
ALAMEDA, Alameda Co., Calif. Near Estuary Tube.

Airdome consisting of frame and stucco administration building with waiting room, 200 seating capacity; 3 steel hangars, etc.

Owner—San Francisco Bay Airdome, Inc. (Jas A. Talbott of the Richmond Oil Co., president).
Engineer—Lynn Schloss, 1541 Webster St., Alameda.

As previously reported, grading awarded to W. K. McMillan, 2083 Howard St., San Francisco.

LOS ANGELES, Cal.—Los Angeles County Supervisors voted to lease 980-acre tract of land one mile east of El Monte for county airport for \$733,000 equipping field, including sprinkler system with minimum water delivery of 1,000,000 gallons per day, radio station, administration building, two hangars each 80x200 feet, fire station, night lighting system, concrete aprons, 10,000 feet of fencing and irrigation system. Field to have 8,000,000 square feet of turfed runways.

OAKLAND, Alameda Co., Cal.—Following bids received by City Port Commission for furnishing and delivering track material to Ninth Ave. Pier, Brooklyn Basin, Inner Harbor, Oakland:

United States Steel Co., Russ Bldg., San Francisco.....\$30,326
Pacific Coast Steel Corp., S. F. 39,010

OROVILLE, Butte Co., Cal.—Directors of the Olive Association vote to construct additions to the grandstand at the fair grounds providing 360 additional seats. The present capacity is 578 persons.

OAKLAND, Alameda Co., Cal.—Bids are being received by City Port Commission, for furnishing and delivering rock to Municipal Airport. 5000 cu. yds. crushed rock and 5000 cu. yds. rock filled involved. Specifications obtainable from above office.

To Be Done By Day's Work By Owner
STATION Cost, \$—
KENTFIELD, Marin Co., Cal.
One-story frame and stucco (Mission type) passenger station, 43x14 ft.
Owner—Northwestern Pacific R. R., 65 Market St., San Francisco.
Architect—Eng. Dept. of Owner.

Planned.
REPLACEMENTS Cost, \$200,000
LOS ANGELES, Cal. Rose Bowl.
Replace wood structure and seats with concrete (increase seating capacity to 100,000).
Owner—City of Pasadena, R. L. Daughery, Chairman.
Architect—None. 19

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M., February 26, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, of which special reference is made, of portions of State Highway, as follows:

Calaveras County, between 1 1/4 miles north of 1 1/4 miles south of Calaveritas Creek (X-Cal-65-B), about two and eight-tenths (2.8) miles in length, to be graded and surfaced with crushed run base and untreated crushed gravel or stone surfacing.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed

work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

Dated January 29, 1930.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California up to 2 o'clock P. M., Tuesday, March 4, 1930, thereafter on said day to be publicly opened and read for the erection and completion of the Broom Factory, Industrial Home for Adult Blind, Oakland, California, in accordance with plans and specifications therefor.

The building is a one story structure with concrete walls, concrete floor, wood roof construction and tile roof.

The floor area is approximately 107,200 square feet.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications and proposal forms may be secured by licensed General Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) Dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE

GEORGE B. McDOUGALL,

State Architect.

B. B. MEEK,
Director of Public Works.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

112	Besio	Owner	16000
113	Cassidy	Owner	4000
114	Bobbie	Owner	3000
115	Couchet	Enterprise	1000
116	Edy	American	2450
117	Southern	Owner	400000
No.	Owner	Contractor	Amt.
118	Guerin	Owner	1000
119	Hansberg	Owner	2800
120	Hersch	Petersen	5000
121	Meyer	Owner	5000
122	Meyer	Owner	4000
123	Melodia	Owner	5000
124	Lundstrom	Pink	1950
125	Monaghan	Owner	8000
126	O'Connor	Christensen	3500
127	Castle	Horn	7000
128	Domico	Owner	4000
129	Domico	Owner	4000
130	Hughes	Owner	4000
131	Larson	Owner	1500
132	O'Connor	Christensen	3500
133	Ratto	Sharman	5000
134	St. Mary's	Johnson	6000
135	Wiberg	Owner	4500
136	Weissbein	Owner	1000
137	Bruce	Jacks	1000
138	Greenberg	Young	20000
139	Heineman	Wilhelm	3000
140	Union	Owner	1000
141	Starr	Hanson	5000
142	Costello	Owner	8000
143	Leak	Owner	4000
144	Kavanagh	Owner	7500
145	Nason	Wagner	50000
146	Pettersen	Pettersen	12500
147	Sant	Loftus	3800

DWELLINGS

(112) W PRAGUE 50 N Persia; four* one-story and basement frame dwellings.
Owner—L. Besio, 439 Lisbon St.
Architect—None. each \$4000

DWELLINGS

(113) E PENNSYLVANIA 200 S 19th St.; two one-story and basement frame dwellings.
Owner and Builder—R. F. Cassidy, 1419 18th St.
Architect—None. \$4000

DWELLING

(114) N GILMAN 125 E Ingalls; one-story and basement frame dwelling.

Owner—George Bobbio, 1294 Gilman Avenue.
Architect—None. \$3000

SIGN

(115) 750 SUTTER Street; marquee electric sign.
Owner—M. E. Couchot, Underwood Bldg.
Plans by Owner.

Contractor—Enterprise Electric W'ks, 654 Mission St. \$1000

ALTERATIONS

(116) 105 POWELL ST.; alterations to store and front.
Owner—J. O. Edy, 105 Powell St.
Architect—None.
Contractor—American Woodworking Cor., 2800 20th St. \$2450

ADDITION

(117) NW COR. FELL and BAKER Sts.; six-story and basement class A addition to hospital.
Owner—Southern Pacific Co.
Architects—A. Coffey and M. Rist, 1126 Phelan Bldg. \$400,000

SHED

(118) NE ALAMEDA and Harrison; one-story frame storage shed.
Owner—J. S. Guerin & Co., 720 Folsom St.
Architect—None. \$1000

DWELLING

(119) N WILDE 275 W Goettingen; one-story and basement frame dwelling.
Owner—O. Hansberg, 130 Wilde Ave.
Architect—None. \$2800

ALTERATIONS

(120) 970 MARKET ST.; alterations for store; new show windows and fixtures.
Owner—B. Hersch, 56 7th Ave.
Architect and Contractor—A. Petersen 2770 San Bruno Ave. \$5000

DWELLING

(121) SV COR. CHARES & Evelyn; two-story and basement frame dwelling.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. \$5000

DWELLING

(122) W EVELYN 75 N Juanita; 2-story and basement frame dwelling.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Plans by Owner. \$4000

DWELLING

(123) E SAN JOSE AVE. 65 N Faragut; one-story and basement frame dwelling.
Owner—A. Melodia, 2803 San Jose Ave.
Plans by Owner. \$5000

ALTERATIONS

(124) 720 MARKET ST.; alterations to show windows.
Owner—The Lundstrom Hat Co., 434 Fourth St.
Architect—None.
Contractor—The Fink & Schindler Co, 226 13th St. \$1950

FLATS

(125) W GUERRERO 53 N 21st St.; two-story and basement frame (2) flats.
Owner—J. Monaghan, 3463 21st St.
Architect—None. \$3000

DWELLING

(126) W 27th AVE. 225 S Rivera; 1-story and basement frame dwelling.
Owner—C. M. O'Connor, 1433 Dolores Street.

Architect—None.

Contractor—H. Christensen, 1422 27th Avenue. \$3500

DWELLINGS

(127) S ALEMANY BLVD. 123 W Admiral; two 1-story and basement frame dwellings.
Owner—Castle Building Co., 830 Market Street.
Architect—None.
Contractor—H. Horn, 830 Market St. each \$3500

DWELLING

(128) SE COR. MORSE & Guttenburg; one-story and basement frame dwelling.
Owner—A. Domico, 2345 Polk St.
Architect—None. \$4000

DWELLING

(129) S GUTTENBURG St. 25 East Morse; one-story and basement frame dwelling.
Owner—A. Domico, 2345 Polk St.
Architect—None. \$4000

DWELLING

(130) W 21st AVE. 260 N Ortega; 1-story and basement frame dwelling.
Owner—T. Hughes, 505 O'Farrell St.
Plans by Owner. \$4000

DWELLING

(131) S WILDE 450 E Rutland; one-story and basement frame dwelling.
Owner—C. Larson, 359 Wilde Ave.
Architect—None. \$1500

DWELLING

(132) W 27th AVE. 225 S Rivera; 1-story and basement frame dwelling.
Owner—G. M. O'Connor, 1433 Dolores Street.
Architect—None.
Contractor—H. Christensen, 1422 27th Avenue. \$3500

INDUSTRIAL BLDG.

(133) S FRANCISCO 91 E Taylor; one-story and mezzanine floor light industrial building.
Owner—F. Ratto, 1514 Irving St.
Architect—None.
Contractor—T. R. Sharman, 1514 Irving St. \$5000

DWELLING

(134) S JUSTIN Dr. 146 E College; 1-story & basement frame dwelling.
Owner—St. Mary's Park, 3901 Mission Street.
Plans by D. E. Jaekle, 744 Call Bldg.
Contractor—A. R. Johnson, 3901 Mission St. \$6000

DWELLING

(135) W 21st AVE. 100 N Lawton; 1-story and basement frame dwelling.
Owner—E. H. Wiberg.
Architect—None. \$4500

ALTERATIONS

(136) 2765 MISSION ST.; alterations to store front.
Owner—Weissbein Bros., Hobart Bros.
Architect—Mr. Bagman.
Plans by Mr. Bagman. \$1000

ALTERATIONS

(137) 2535 GREEN ST.; alterations to dwelling.
Owner—Mrs. Malcom Bruce, 2535 Green St.

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

Architect—None.

Contractor—Jacks & Irvine, 74 New Montgomery St. \$1000

RESIDENCE

(138) E PRESIDIO 50 S Pacific Ave.; two-story and basement frame residence.

Owner—H. H. Greenberg.

Architect—Hyman and Appleton, 68 Post St.

Contractor—Young & Horstmeier, 461 Market St. \$20,000

ALTERATIONS

(139) 120 BUSH ST.; alterations to store

Owner—H. M. Heineman, 130 Bush St. Architect—None.

Contractor—A. H. Wilhelm, 666 Mission St. \$3000

AUTO HOIST & CANOPY

(140) PINE & FRANKLIN STS.; hydraulic auto hoist and canopy.

Owner—Union Oil Co. of California, 1071 Mills Bldg. Architect—None. \$1000

DWELLING

(141) W CAPISTRANO 77 S Santa Rosa; one-story and basement frame dwelling.

Owner—Dr. F. M. Starr, 201 Santa Rosa Ave. Architect—None.

Contractor—F. A. Hanson, 243 Capistrano. \$5000

DWELLINGS

(142) E 22nd AVE. 325 N Rivera; two-story and basement frame dwellings.

Owner—L. Costello, 382 27th Ave. Architect—None. each \$4000

DWELLING

(143) W 30th AVE. 200 S Kirkham; one-story and basement frame dwelling.

Owner—G. Leask, 197 Parker Ave. Architect—None. \$4000

FLATS

(144) S CHESTNUT 176 W Scott St.; two-story and basement frame (2) flats.

Owner and Builder—D. S. Kavanagh, 1121 Ordway St., Berkeley. Architect—E. Helms. \$7500

FACTORY & WAREHOUSE

(145) W UTAH 50 N 15th St.; six-story class B factory and warehouse.

Owner—R. N. Nason & Co., 151 Potrero Ave.

Engineer—C. H. Snyder, 252 Kearny Street.

Contractor—Geo. Wagner, 181 South Park. \$50,000

RESIDENCE

(146) W STEINER 92 N Jackson St.; two-story and basement frame residence.

Owner—K. S. Petterson, care Architect.

Architect—A. Schroepfer, Monadnock Building.

Contractor—G. Petterson & Son, 46 Divisadero St. \$12,500

DWELLING

(147) SW HAMILTON 160 S Stillman; 1-story and basement frame dwelling.

Owner—J. Sant, 1295 31st Ave.

Architect—None.

Contractor—T. F. Loftus, 1295 31st Ave. \$3800

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
32	Shell	Gunn	1119
33	Regents	Mohr	5800
34	Greenberg	Young	31198
35	Shell	Lando	8155
36	Schwartz	Cohn	19600

FLOORING

(32) N BUSH & W BATTERY STS. N 137-6 W 137-6 S 57-6 E 20 S 80 E 117-6; "Duraflex" Mastic Composition flooring for building.

Owner—Shell Oil Co.

Architect—Geo. W. Kelham, 315 Montgomery St.

Contractor—Gunn, Carle & Co., 444 Market St.

Filed Jan. 31, 1930. Dated Jan. 4, 1930

Tenth of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$1119

Bond, \$559.50. Sureties, Fidelity and Deposit Co. Limit, 10 days. Plans and Spec. filed.

PAINTING

(33) THIRD & PARNASSUS AVES.; exterior painting.

Owner—The Regents of the University of California.

Architect—W. P. Stephenson, Dept. of Grounds & Bldgs., University of California, Berkeley.

Contractor—J. A. Mohr, 433 11th St., San Francisco.

Filed Feb. 3, '30. Dated Dec. 30, '29.

Completion.....75%

Usual 35 days.....25%

TOTAL COST, \$5800

Bond, \$3250. Sureties, Union Indemnity Co. Forfeit, \$10. Limit, March 1, 1930. Spec. filed.

RESIDENCE

(34) E PRESIDIO AVE. 72-84 S Pacific Ave. 55 E 110-11 N 55 W 110-11; all work on residence except glass and glazing.

Owner—H. H. Greenberg.

Architect—Hyman and Appleton, 68 Post Street.

Contractor—Young & Horstmeier, 461 Market St.

Filed Feb. 4, '30. Dated Jan. 30, '30.

1st floor joists in place.....\$5474.50

House roofed.....5474.50

Interior and exterior plastering done.....5474.50

Completed and accepted.....5474.50

Usual 35 days.....7300.00

TOTAL COST, \$31,198

Bond, \$14,599. Sureties, Wm. Horstmeier and Alex. J. Young, Jr. Limit, 120 days. Plans and Spec. filed.

WINDOW SHADES

(35) N BUSH & W BATTERY ST. N 137-6 W 137-6 S 57-6 E 20 S 80 E 117-6; window shades for building.

Owner—Shell Oil Company.

Architect—G. W. Kelham, 315 Montgomery St.

Contractor—E. A. Lando as Lando, the Blind Man, 140 Golden Gate Avenue.

Filed Feb. 4, '30. Dated Jan. 9, '30.

Tenth of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$3155

Bond, \$1577.50. Sureties, Pacific Indemnity Co. Limit, April 15, 1930. Plans and Spec. filed.

EXCAVATING, ETC.

(36) W FRANKLIN ST. S Bush St. 120 to N Fern x W 144-9; excavating for footings and leveling for sub-grade, concrete form work, setting mezzanine floor joists and anchors, setting iron-roads.

Owner—Ray Schwartz.

Architect—Mel I. Schwartz, 110 Sutter St.

Contractor—L. J. Cohn, 117 Montgomery St.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Tenth of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$19,600

Limit, 30 days.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Jan. 29, 1930—SE COR. 19th & Tennessee Sts. A J Bowie to Mortenson Const Co.....December 30, 1929

Jan. 29, 1930—S BAY 139.5 W Baker W 52 x S 93. St George Holden to whom it may concern.....Jan. 28, 1930

Jan. 28, 1930—LOTS 7A, 7B and 7C Blk 7082A Geneva Terraces. L Glicksberg to whom it may concern.....January 28, 1930

Jan. 28, 1930—NE COR VISITACION Ave and Desmond St. L H Ene-mark trustee Hastings Trust Est to The Ruegg Co, Inc.....January 28, 1930

Jan. 28, 1930—W GRANT AVE 27-6 S Geary 27-6 x 80. Singer Sewing Machine Co to Lindgren & Swinerton, Inc.....January 25, 1930

Jan. 28, 1930—S RICO WAY 90 W Retiro Way W 30 x E 100. Edw L Kahn to whom it may concern.....January 22, 1930

Jan. 28, 1930—SW DOLORES AND Duncan S 26-6 x W 80. M P Daly to George T Moore.....Jan. 27, 1930

Jan. 28, 1930—LOT 39 BLK 15, City Land Assn. Manuel F and Maria E Taylor to Donald O Westwater.....January 25, 1930

Jan. 30, 1930—LOT 8 BLK 5385 and Lot 22 Blk 5804, St Mary's Park. The Roman Catholic Archbishop of San Francisco to Andrew R Johnson.....January 27, 1930

Feb. 3, 1930—NO. 670 NAPLES ST. Gio Greco to B Blacotta & Co.....Feb. 1, 1930

Feb. 3, 1930—S REVERE AVE 175 E Lane 24x100. Mary Cuoco to C A Paggioni and L Raggio.....Jan. 30, 1930

Feb. 3, 1930—NW GOUGH AND Austin, 60x34-6. A and M Coffer to whom it may concern.....Jan. 25, 1930

Feb. 3, 1930—S VICENTE 77 E 15th Ave., bet. 14th and 15th Aves. Charles Andersen to whom it may concern.....Feb. 1, 1930

Feb. 1, 1930—NE ALLISON ST and SE Morse SE 25 x NE 90. John Dall to whom it may concern.....January 30, 1930

Feb. 1, 1930—SE HOWARD 200 SW 2nd St SW 75 x SE 165. Wm Volker & Co to Barrett & Hilp.....January 25, 1930

Feb. 1, 1930—E 28th AVE 250 N Lawton N 25 x E 120. R G Gall to whom it may concern.....January 31, 1930

an. 31 1930—E PARKER AVE 61-36 N Enclid Ave N 63 E 106. H O

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

Lindeman to W R Lindeman.....	January 31, 1930
Jan. 31, 1930—N LANE & HUDSON Ave NW 60 x NE 100 ptn Blk 140 Central Park Hd Assn. L. Martinelli to Coruccini Bros.....	January 22, 1930
Jan. 31, 1930—N CHESTNUT 87-6 W Gough W 25 x N 37-6. Bernhard Berg to George O Bendorf.....	January 31, 1930
Jan. 31, 1930—W 24th AVE 400 N Lake N 23-3 W 102 S 8 W 18 S 20-3 E 120 to beg. Ansel E and Virginia B Adams to Walter Hennings.....	January 30, 1930
Jan. 31, 1930—W 18th AVE 125 S Moraga W 120 x S 25. Elmar H N Berg to whom it may concern.....	January 31, 1930
Jan. 31, 1930—COMG 246 N 4* 20' W 420 N 85* 40' E from inter N Humboldt and E Georgia SE 55 E 60 N 55 W 60 m or l. Pacific Gas and Electric Co to I Grant as Grant Sheet Metal Works.....	Jan. 27, 1930
Jan. 31, 1930—S ELLIS 163-1 E Powell E 113 to pt dist thereon 123-5 1/2 W from NW Market S 92-6 m or l to NW Market SW 61-6 1/2 to pt dist thereon 250-9 NE from N Eddy th at right angles to Market NW 108 to inter of said line with line running from pt of beg parl with E Powell N parl with E Powell 40-9 1/2 m or l to S Ellis and pt of beg. Sommer & Kaufmann, Inc to Peter Bradley.....	January 28, 1930
Jan. 31, 1930—SE MUNICH 300 NW from Excelsior. Isaacson & Nyland to whom it may concern.....	January 24, 1930
an. 30, 1930—LOTS 657 and 659 Gift Map No 3. M T Struthers to G J Conway (two completions).....	January 30, 1930
an. 30, 1930—S YOSEMITE AVE 446-6 W Lane W 75 x S 200. Simon Mattress Mfg Co to Barrett & Hilt.....	January 25, 1930
an. 29, 1930—SW CHENERY ST 50 NW Burnside Ave N 66* 27' 30" W 25 S 23' 32' 30" W 127-50 S 29* 47' 47" E 16-87 N 23* 32' 30" E 35-21 S 66* 27' 04" NE 100; SW Chenery St 100 NW Burnside Ave N 66* 27' 30" W 25 S 23' 32' 30" W 106-47 S 48* 22' 56" E 26-30 NE 114-63. Morrill Estate, Inc to whom it may concern.....	January 23, 1930

LIENS FILED

SAN FRANCISCO COUNTY

an. 30, 1930—W FILLMORE 106-2 1/4 N California N 53 x W 106. S L Freiling as Clawson Patent Chimney Co vs G Y Morton and Wm Barrett.....	\$81
an. 28, 1930—W HYDE ST 82-6 S Pacific St S 27-6 x W 75 A Kushnick vs M M Baglietto and A Murphy as Baglietto & Murphy.....	\$1830
an. 31, 1930—LOT BLK 45, Reis Tract. M J Lynch vs H A Peckman.....	\$922.87
eb. 3, 1930—S ORTEGA 95 W 8th Ave W25xS 100. Jos M Kaiser and S. F. Hardwood Floor Co vs Thomas Hughes and J G Lehman.....	\$177

RELEASE OF LIENS

SAN FRANCISCO COUNTY

recorded	Amount
eb. 3, 1930—NE PINE & MASON N 275 x E 106-3. Michel & Pfeiffer Iron Works to Geo D Smith and California-Mason Realty Co.....	
eb. 3, 1930—W THIRTY-SECOND Ave 125 S Rivera's S 25xW 120. California Construction Co to J J Hayden Jr.....	
in. 31, 1930—P FILLMORE 87-6 N Fulton 50x112-6. Sut Co Inc to C O Clausen and S Schwartz.....	

BUILDING PERMITS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
85	Hughes	Owner	3000
86	Chambers	Fish	5250
87	Duerr	Owner	4150
88	Johnson	Owner	3200
89	Netherby	Owner	5000
90	U S L Battery	Brown	7000
91	Pfrang	Owner	6000
92	Schuster	Owner	4000
93	White	Stolte	9500
94	Organized Church	Beebe	22500
95	Carney	Beck	1100
96	Carl	Monez	5900
97	Jorgensen	Miller	2200
98	Milton	Owner	4000
99	Sigwald	Owner	6000
100	Hoey	Carlson	5000
101	Clark	Clark	3650
102	Magoon	Hazen	55000
103	Stolte	Owner	4700
104	Westwood	*Owner	3000
105	Fleming	Owner	3650
106	Hamiltons	Fink	3900
107	Whitehouse	Matheyer	4000
108	Wood	Woolworth	1400
109	Grover	Smith	4000
110	Peters	Hobert	3000
111	Allen	Owner	1800
112	Drayage	Christensen	5000
113	Harris	Home	4000
114	Pearce	Owner	4300
115	Steffin	Owner	35000

RESIDENCE

(85) 1651 SHORT ST., Berkeley; one-story 5-room 1-family frame residence.	
Owner and Builder—Hughes & Beach, 902-6 Washington St., Oakland.	
Architect—None.	\$3000

DWELLING

(86) SE COR. BEULAH PLACE and Palmer, Oakland; 1-story 8-room 2-family dwelling.	
Owner—Frank D. Chambers, 1142 McKinley Ave., Oakland.	
Architect—W. W. Dixon, 1844 Fifth Ave., Oakland.	
Contractor—L. C. Fish, 1449 3rd Ave., Oakland.	\$5250

DWELLING

(87) 2015 DURANT AVE., Oakland; one-story 5-room dwelling and garage.	
Owner and Builder—F. C. Duerr, 2761 68th Ave., Oakland.	
Architect—None.	\$4150

DWELLING

(88) 2074 84th AVE., Oakland; one-story 5-room dwelling and 1-story garage.	
Owner & Builder—Carl Johnson, 2185 50th Ave., Oakland.	
Architect—None.	\$3200

DWELLING

(89) NE COR. BROADWAY Terrace and Buena Vista Ave., Oakland; two-story 6-room dwelling.	
Owner and Builder—W. A. Netherby, 3553 Lyman Road, Oakland.	
Architect—None.	\$5000

ADDITION

(90) 98th & SUNNYSIDE, Oakland; addition.	
Owner—U. S. L. Battery Corp. Architect—None.	
Contractor—Harry A. Brown, 1410 Madison St., Oakland.	\$7,000

DWELLING

(91) N BUENA VISTA 350 E Buena Vista Place, Oakland; one-story 6-room dwelling.	
Owner & Builder—H. C. Pfrang, 5659 Ocean View Drive.	
Architect—None.	\$6000

APARTMENTS

(92) E EIGHTH AVE. 408 NE 24th St., Oakland; three-story 45-room apartments.	
Owner and Builder—Harry A. Schuster, 2424 Curtis St., Oakland.	
Architect—C. N. Burrell, American Bank Bldg., Oakland.	\$40,000

ALTERATIONS

(93) SE COR. TWELFTH & Franklin Sts., Oakland; alterations and addition.	
Owner—White & Pollard, 13th and Webster Sts., Oakland.	
Architect—None.	
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.	\$9500

CHURCH

(94) 2020 ASHBY AVE., Berkeley; 1-story 1-room frame church (brick and stucco finish).	
Owner—Organized Church of Jesus Christ of Latter Day Saints.	
Architect and Builder—Ed. R. Beebe, 2109 Shattuck Ave., Berkeley.	\$22,500

ALTERATIONS

(95) 750 FOLGER AVE., Berkeley. Alterations.	
Owner—Mr. Carney.	
Architect—None.	
Contractor—R. Beck, 6110 Dover St., Oakland.	

DWELLING

(96) 256 FLORENCE ST., Oakland; two-story 8-room dwelling.	
Owner—Mr. Carl, 471 Moraga Road, Oakland.	
Architect—None.	
Contractor—A. H. Monez, 4350 Bridgeview Drive, Oakland.	\$5000

ADDITION

(97) 450 38th ST., Oakland; addition.	
Owner—J. Jorgensen, 450 38th St., Oakland.	
Architect—Mr. Jackson.	
Contractor—J. E. Miller, 1052 West St., Oakland.	\$2200

DWELLING

(98) 3287 MORCOM AVE., Oakland; one-story 5-room dwelling.	
Owner and Builder—Victor E. Milton, 3291 Morcom Ave., Oakland.	
Architect—None.	\$4000

DWELLING & GARAGE

(99) 1586 TRESTLE GLEN ROAD, Oakland; one-story 6-room dwelling and 1-story garage.	
Owner and Builder—Sigwald Bros., 916 Alma Ave., Oakland.	
Architect—Chester Treichel, American Bank Bldg., Oakland.	\$6000

DWELLING

(100) S CALANDRIA Ave. 500 West Crest Drive, Oakland; two-story 6-room dwelling.	
Owner—J. K. Hoey, 3400 Madera Ave., Oakland.	
Architect—None.	
Contractor—Henning Carlson, 2052 81st Ave., Oakland.	\$5000

DWELLING

(101) E LAGUNA AVE. 150 N College Ave., Oakland; one-story 2-family dwelling.	
Owner—Edward Clark, 3102 Ashbrook Court, Oakland.	
Architect—None.	
Contractor—A. E. Clark, 3309 Coolidge Ave., Oakland.	\$3650

APARTMENTS

(102) NW COR. AVENAL AVE. and Bond St., Oakland; three-story 78-room apats. and 1-story tile garage.	
Owner—L. B. Magoon, 1967 Courtland Ave., Oakland.	
Architect—None.	

Contractor—P. J. Hazen, 237 Bellevue Drive, San Leandro.

\$55,000

DWELLING

(103) SW COR. SYLVAN & Laurel Aves., Oakland; one-story 5-room dwelling.

Owner and Builder—F. C. Stolte, 3455 Laguna Ave.

Architect—None. \$4700

RESIDENCE

(104) NO. 11 NEW BROADWAY, Berkeley. Two-story 6-room 1-family frame residence.

Owner—Charles Westwood, 3807 Clark St., Oakland.

Architect—None. \$3000

DWELLING

(105) N PENNIMAN AVE 30 W Minna St., Oakland. One-story 6-room dwelling and one-story garage.

Owner—A. Fleming, 3906 Vale Ave., Oakland.

Architect—None. \$3650

ALTERATIONS

(106) NO. 414 FOURTEENTH ST., Oakland. Alterations.

Owner—Hamiltons, Inc., 826 Market St., San Francisco.

Architect—None.

Contractor—The Fink & Schindler Co., 226 13th St., San Francisco.

\$3900

DWELLING

(107) E FIFTIETH AVE 140 N Trask Ave., Oakland. One-story six-room dwelling.

Owner—H. Whitehouse.

Architect—None.

Contractor—L. B. Matheyer Co., 3178 Birdsall Ave., Oakland.

\$4000

ALTERATIONS

(108) NO. 3410 E-FOURTEENTH ST., Oakland. Alterations.

Owner—E. C. and C. F. Wood, 3410 E-14th St., Oakland.

Architect—None.

Contractor—F. W. Woolworth Co., Financial Center Bldg., San Francisco.

\$1400

RESIDENCE

(109) 590 GRIZZLY PEAK BLVD., Berkeley; one-story 6-room one-family frame residence.

Owner—Grover Lavelle, 2421 Edwards St., Berkeley.

Architect—Masten and Hurd, Sherve Bldg., San Francisco.

Contractor—J. H. Smith, 677 Santa Barbara Road, Berkeley.

\$4000

RESIDENCE

(110) 1635 BELVEDERE ST., Berkeley; one-story 5-room one-family frame residence.

Owner—H. W. Peters, 1632 Belvedere St., Berkeley.

Architect—None.

Contractor—Hobert and Oman, 1802 Chestnut St., Berkeley.

\$3000

ALTERATIONS & ADDITION

(111) 2415 FILBERT ST., Oakland; alteration and addition.

Owner and Builder—Mrs. M. R. Allen, 2415 Filbert St., Oakland.

Architect—None. \$1800

ALTERATIONS

(112) 1640 18th AVE., Oakland; alterations.

Owner—Drayage Service Corp., 1640 18th Ave., Oakland.

Architect—None.

Contractor—H. J. Christensen, 519 Ray Bldg., Oakland.

\$5000

ALTERATIONS

(113) 1203 BROADWAY, Oakland; alterations.

Owner—Dr. C. B. Harris, 1119 Broadway, Oakland.

Architect—None.

Contractor—Home Mfg. Co., 552 Brannan St., San Francisco.

\$4000

DWELLING

(114) S ATLAS AVE., 107 E Monterey Blvd., Oakland; one-story 5-room dwelling.

Owner and Builder—M. P. Pearce, 3522 Randolph Ave., Oakland.

Architect—None. \$4300

APARTMENTS

(115) NE cor. BRUCE & E 32nd Sts., Oakland; 3-story 48-room apts.

Owner and Builder—G. W. Steffin, 1941 Crosby Ave., Oakland.

Architect—None. \$35,000

BUILDING CONTRACTS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
21	Regents	Grassi	1147
22	Same	Grassi	5563
23	Same	Marshall	4850
24	Same	Lannom	10761
24½	Same	Mohr	8897
25	Spear	Wilson	26812
26	Same	Pacific	818
27	Same	Michel	493
28	Same	Slate	1750
29	Same	Christiansen	2078
30	Same	Crosin	911
31	Same	Ingelbrighten	475
32	Same	Tyre	2065
33	Same	Oellerich	142
34	Same	Kruse	2432
35	Same	Hartman	1752
36	Same	Oakland	2180
37	Regents	Conner	32287

CAST STONE WORK

(21) CAMPUS of the University of California, Berkeley; furnish and install cut cast stone work on 3-story reinforced concrete building.

Owner—The Regents of the University of California, Berkeley.

Architect—Wm. C. Hays, Crocker 1st National Bank Bldg., San Francisco.

Contractor—P. Grassi & Co., Travertine Works, Inc., 1945 San Bruno Ave., San Francisco.

Filed Feb. 4, '30. Dated Jan. 4, '30.

Tenth of each month.....75%

Usual 35 days.....Balance

TOTAL COST, \$1147

Bond, \$573.50. Sureties, Pacific Indemnity Co. Plans and Spec. filed.

(22) TERRAZZO WORK on above.

Contractor—P. Grassi & Co., Travertine Works, Inc., 1945 San Bruno Ave., San Francisco.

Filed Feb. 4, '30. Dated Jan. 4, '30.

Payments not given.

TOTAL COST, \$5593

Bond, \$2781.50. Sureties, Pacific Indemnity Co.

(23) FINISHED Hardware on above.

Contractor—Marshall-Well Supply Co., Spear and Mission Sts., San Francisco.

Filed Feb. 5, '30. Dated Jan. 11, '30.

Payments not given.

TOTAL COST, \$4850

Bond, \$2425. Sureties, Pacific Indemnity Co.

(24) MILLWORK on above.

Contractor—Lannom Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.

Filed Feb. 5, '30. Dated Dec. 31, '29.

Payments not given.

TOTAL COST, \$10,761

Bond, \$5380.50. Sureties, Pacific Indemnity Co.

(24½) PAINTING and finishing work on above.

Contractor—J. A. Mohr & Son, Inc., 433 11th St., San Francisco.

Filed Feb. 5, '30. Dated Jan. 25, '30.

TOTAL COST, \$8897

Bond, \$4448.50. Sureties, Pacific Indemnity Co.

EXCAVATING, ETC.

(25) 306 24th ST., Oakland; excavating, concrete work and carpenter work on depot building.

Owner—Tillie R. Spear.

Architect—Russell Guerne de Lappe, 1710 Franklin St., Oakland.

Contractor—J. R. B. Wilson and assigned to E. Flener, 3831 Dale Pl., Oakland.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Progress payments.

Usual 35 days.....25%

TOTAL COST, \$26,812

Limit, 120 days. Plans and Spec. filed.

(26) IRON WORK on above.

Contractor—Pacific Coast Eng. Co., ft. of 14th St., Oakland.

Filed Feb. 5, '30. Dated Dec. 18, '29.

Payments not given.

TOTAL COST, \$318

(27) STEEL SASH on above.

Contractor—Michel and Pfeffer Iron Wks., 10th and Harrison Sts., San Francisco.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Payments not given.

TOTAL COST, \$493

(28) ROOFING on above.

Contractor—Slate Roofing Co., 4128 Gilbert St., Oakland.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Payments not given.

TOTAL COST, \$1750

Bond, \$900. Sureties, American Surety Company.

(29) SHEET METAL Work on above

Contractor—Christiansen & Grutsch, 4279 Piedmont Ave., Oakland.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Payments not given.

TOTAL COST, \$2073

(30) PLASTERING on above.

Contractor—Cronin & Burnett.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Payments not given.

TOTAL COST, \$911

(31) PAINTING on above.

Contractor—I. Ingebrighten & Sons, 3772 Cannon St., Oakland.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Payments not given.

TOTAL COST, \$475

(32) GLAZING on above.

Contractor—Tyre Bros. Glass Co., 310 Webster St., Oakland.

Filed Feb. 5, '30. Dated Dec. 12, '29.

Payments not given.

TOTAL COST, \$2065

(33) MAGNESITE on above.

Contractor—Fred P. Oellerich, 1825 Woodley St., Berkeley.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Payments not given.

TOTAL COST, \$142

(34) PLUMBING on above.

Contractor—L. J. Kruse Co., 6247 College Ave., Oakland.

Filed Feb. 5, '30. Dated, ...

Payments not given.

TOTAL COST, \$2432

(35) ELECTRICAL WORK on above.

Contractor—Hartman Elec. Co., 4733 E 14th St., Oakland.

Filed Feb. 5, '30. Dated Feb. 3, '30.

Payments not given.

TOTAL COST, \$1752

Bond, \$1752. Sureties, American Surety Company.

DRIVING STEEL PILES

(36) 306 24th ST., Oakland; driving steel piles.

Owner—Mrs. Tillie R. Spear, Oakland.

Architect—None.

Contractor—Oakland Harbor Const. Co., 1st National Bldg., Oakland.

Filed Feb. 4, '30. Dated Dec. 12, '29.
Payments not given.
TOTAL COST, \$2180
Limit, 30 days.

GARAGE
370 OXFORD & ADDISON Streets.
Berkeley; general construction on
garage building.
Owner—The Regents of the Univer-
sity of California, Berkeley.
Architect—W. H. Ratcliff, Jr., Cham-
ber of Commerce Bldg., Berkeley.
Contractor—Conner and Conner, 1733
Francisco St., Berkeley.
Filed Feb. 4, '30. Dated Feb. 3, '30.
1st of each month. 75%
Usual 35 days. Balance
TOTAL COST, \$32,287
Bond: Labor and Materials, \$16,550;
Performance, \$16,550. Sureties, Na-
tional Surety Co. Forfeit, \$50 per day.
Limit, 100 days. Plans and Spec. filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Jan. 29, 1930—SW 109th AVE AND
Sunnyside St., Oakland. Dean
Marucel to A H Monez.....
.....January 28, 1930
Jan. 29, 1930—LOT 187, St James
Wood, Piedmont. J H L'Homme-
dieu Co, Inc to Wm C Tait, Jr.....
.....January 15, 1930
Jan. 29, 1930—SW BOOKER ST and
Ivy Drive, Oakland. J W Woods
to Jacobs & Pattison.....
.....January 25, 1930
Jan. 29, 1930—LOTS 10-11-12-13-14
and W 20 ft Lot 16 map of Ben-
ton Property and lot 45 Blk A
map of ptn of Berkeley Property.
Berkeley. International House (a
corp) to Pacific Coast Engineering
Company.....
.....January 22, 1930
Jan. 29, 1930—PTN LOTS 1 and 2
Blk 81, map of a ptn of Blk 61
Tract B of the lands of the B L
T I Assn, Berkeley. Antonia Fed-
derwitz to J Auto and G Peter-
sen.....
.....January 29, 1930
Jan. 29, 1930—1281 SUNNYHILLS
Ave, Oakland. F B Brayton to whom it
may concern.....
.....January 25, 1930
Jan. 31, 1930—CAMPUS of the Uni-
versity of California, Berkeley.
The Regents of the University of
California to The Lamson Co.....
.....January 21, 1930
January 31, 1930—EMERYVILLE.
Southern Pacific Co to Michel and
Prefer Iron Works.....
.....January 30, 1930
Jan. 31, 1930—SATHER STATION,
Oakland. Southern Pacific Co to
Hutchinson Co.....
.....January 24, 1930
Jan. 31, 1930—W 14th St, Oakland.
Southern Pacific Co to Hutchinson
Company.....
.....January 24, 1930
Jan. 30, 1930—SHATTUCK AVE
Station, Berkeley. Southern Pacific
Co to John M Bartlett.....
.....January 24, 1930
Jan. 30, 1930—32 AGNES ST, Oak-
land. Joseph L and Margaret T
Thomas to W A Netherby.....
.....January 20, 1930
Jan. 30, 1930—4266 ATLAS AVE,
Oakland. A M Berg to whom it
may concern.....
.....January 30, 1930
Feb. 1, 1930—S LINCOLN AVE 605
ft W of 8th St, Alameda. Frank
A Gottstein to George A Goett-
stein.....
.....January 10, 1930
Feb. 1, 1930—LOT 14 BLK B, Du-
rant Manor, Oakland. Harry S
and Ada Greene to whom it may
concern.....
.....January 31, 1930
Feb. 1, 1930—LOT 54 BLK 117,
Coggshell Tract, Emeryville. Mol-
le Carey to whom it may concern.....
.....January 27, 1930
Feb. 1, 1930—2206 COOLIDGE AVE,
Oakland. C Langeberg to whom it
may concern.....
.....February 1, 1930
Feb. 4, 1930—SW FOURTH & Jack-
son, Oakland. Safeway Stores
Co Inc to W H Pollard Jr.....
.....Feb. 1, 1930

Feb. 4, 1930—1232 SUNNYHILLS
Road, Oakland. B H Beynon to
J F McCorde.....
.....January 24, 1930
Feb. 4, 1930—LOT 109, Broadmoor
Park, San Leandro. Allison W
and Dolores G Reid to J M Olson
.....
.....February 6, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Jan. 30, 1930—1056-1058 MASONIC
Ave, Albany. R S Clark vs O A
Burlingame.....\$294.50
Jan. 30, 1930—LOT 57 BLK 3, map
of Cagmont, Berkeley. Sunset
Lumber Co, \$348.29; Contra Costa
Bldg Material Co, \$118.29; vs Bob
K Abbott.....
Jan. 29, 1930—LOT 57 BLK 3, Crag-
mont, Berkeley. Tilden Lumber &
Mill Co vs Park Abbott.....\$792.45
Jan. 29, 1930—E LINE DORISA AVE
N boundary lot 94, Unica Oak
Knoll, Oakland. Superior Metal
Products vs A M and Cavy Dins-
more, Modern Homes Equip Co.....
.....\$411
Jan. 28, 1930—809 SAN PABLO AVE,
Albany. Berkeley Bldg Materials
Co vs Edmund and Nellie Sher-
wood, Poppy Hill Dairy.....\$27
Jan. 23, 1930—LOTS 64 and 65 BLK
4, Regents Park No 4, Berkeley.
Sunset Lumber Co vs Geo Wyatt
.....\$496.79
Jan. 30, 1930—MASONIC HOME near
Docoto. O G Peterson to Masonic
Home of California, W and F
Hodges, Hayward Wrecking Co.....
.....\$64.64
Jan. 27, 1930—2555 VIRGINIA ST,
Berkeley. J H Jevons to Mrs T
C Carpenter.....\$102.41
Jan. 31, 1930—29 TALENT AVE,
Albany. Smith Lumber Co vs Geo
Wyatt.....\$471.39
Jan. 31, 1930—LOT 138, Arbor Villa,
Oakland. The Rigney Tile Co vs
D J Sueell.....\$189.80
Jan. 31, 1930—LOTS 45 and 46 BLK
O, Iveywood, Oakland. Boorman
Lumber Co vs Peter J Jarvis and
Geo L Hughes.....\$224.81
Jan. 31, 1930—LOTS 16 and 17 BLK
5 Map No 4 Regents Park, Al-
bany. Brockhurst Tile Co vs Geo
Wyatt.....\$60.50
Jan. 31, 1930—LOT 25 and 12 ft of
Lot 26, Blk F, Amended Map of
Christiansen Trct, Berkeley. Brock-
hurst Tile Co vs Geo Wyatt.....\$61.50
Jan. 31, 1930—SV WOOLSEY 87.65
ft E Telegraph Ave, Oakland. Tilden
Lumber & Mill Co vs Harry
Schuster.....\$1,248.65
Feb. 3, 1930—2609 IVY DRIVE, Oak-
land. C T Peterson vs Income
Bldg Corp, Ltd, and Alfred Cords
.....\$64.43
Feb. 3, 1930—4270 LINCOLN AVE,
Oakland. A L Daniels vs West
Oakland Home, Winte Marden,
Steele P Dunn.....\$342.45
Feb. 1, 1930—LOTS 16 and 17 BLK 5
Map No 4, Regents Park, Albany.
Pacific Coast Aggregates, Inc vs
George Wyatt.....\$109.68
Feb. 1, 1930—LOTS 64 & 65 BLK 4,
Map No 4, Regents Park, Albany.
Pacific Coast Aggregates, Inc vs
George Wyatt.....\$63.91
Feb. 1, 1930—LOT 35 and ptn Lot
36 Blk F, Amended map of the
Christiana Tract, Berkeley. Pacific
Coast Aggregates, Inc vs Geo
Wyatt.....\$91.28
Feb. 1, 1930—LOTS 130 and 131, Ar-
bor Villa, Oakland. The California
Door Co vs Income Building Corp,
Ltd, Alfred Cords.....\$1588.11
Sallan, Oakland. Berkeley Bldg
Material Co vs Japanese-American
Society of Oakland and A J
Merin. S M Pedland.....\$705.14
Feb. 4, 1930—1063 CURTIS Street,
Oakland. Markus Hardware Co
vs Geo Wyatt.....\$66.60

Feb. 4, 1930—1817-19 103rd AVENUE
Oakland. John Porter, \$100; Pa-
cific Paint & Wallpaper Co, \$28.30;
B Simon Hardware Co, \$36, vs
George L Hughson and Peter J
Jarvis.....
Feb. 4, 1930—1817-19 103rd AVENUE
Oakland. George L Hughson vs
Peter J Jarvis.....\$342.94
Feb. 4, 1930—945 TALENT ST, Al-
bany. Markus Hardware Co, \$125.-
81; Markus Hardware Co, \$66.60;
Guy Tyler, \$53; Guy Tyler, \$78,
vs George Wyatt.....

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Jan. 30, 1930—1025 LINCOLN AVE,
Alameda. Brockhurst Tile Co to
Joseph T Hinch.....\$65.75
Jan. 30, 1930—PTN LOT 91, map of
the Ranchos of Vicente at Do-
mingo Peralta, Oakland. Clinton
Mill & Lumber Co, \$1055.17; G Le-
one, \$945, to Valentine and Tillie
Villette and B S Hanson.....
Jan. 31, 1930—420 EVELYN AVE,
Albany. Frank Catalina & Luppco,
\$73; Ben Jepsen, \$63; El Cerrito
Electric Shop, \$93, to Wm A Hop-
per.....

BUILDING CONTRACTS

SAN MATEO

RESIDENCE
Lot 16, Villa Lots at Fair Oaks; gen-
eral construction on 2-story frame
and stucco construction.
Owner—James W. Slimons et al.
Architect—Walter C. Sellon, 666 Kel-
logg Ave., Palo Alto.
Contractor—George J. Amussen, 971
Dolores St., San Francisco.
Filed Jan. 25, 1930. Dated Dec. 24, 1929
First floor laid.....\$4249
Roofed.....4249
Brown coated.....4249
Usual 35 days.....4249
TOTAL COST, \$16,996
Forfeit, \$1 per day. Limit, 120 work-
ing days.

ADDITION
E SIDE POETT ROAD, Hillsborough;
all work on addition to two-story
and basement frame and stucco
residence.
Owner—C. E. Helms, 3298 Washing-
ton St., San Francisco.
Architect—J. E. Kraft & Sons, Phe-
lan Bldg., San Francisco.
Contractor—Young & Horstmeier, 461
Market St., San Francisco.
Filed Jan. 29, '30. Dated Jan. 24, '30.
Completed.....\$1751.25
36 days after.....583.75
TOTAL COST, \$2335.00
Bond, \$1167.50. Sureties, A. J. Young
and Ward Dwan. Forfeit, \$5 per day.
Limit, March 8, 1930. Plans and Spec.
filed.

THEATRE
SAN BRUNO Lots 21, 22, 23 26 and 27
and part Lot 25 Blk 19, San Br-
no; general construction on a re-
inforced concrete theatre building.
Owner—Chas. E. Petersen, et al, 191
15th Ave., San Francisco.
Architect—Norman R. Coulter, 4 6
Kearny St., San Francisco.
Contractor—Charles S. Mabrey, First
National Bank Bldg., San Mateo.
Filed Jan. 29, '30. Dated Nov. 30, '29.
Payments as agreed
Bond, \$25,000. Sureties, Globe Indem-
nity Ins. Co. Plans and Spec. filed.

ADDITION
5.849 ACRE TRACT, South San Fran-
cisco; general construction on ad-
dition to present frame laboratory
building.
Owner—Heintz & Kaufman, Ltd., 219
Natoma St., San Francisco.

Architect—E. A. Neumarkel, 544 Market St., San Francisco.
 Contractor—H. H. Haun, et al, 3601 Market St., San Francisco.
 Filed Jan. 28, '30. Dated Jan. 27, '30.
 Completed 75%
 Usual 35 days.....25%
TOTAL COST, \$2821
 Limit, 20 working days.

STORE

N SIDE BURLINGAME AVE. 50 E of Primrose, Burlingame; general construction on reinforced concrete store building.
 Owner—Martin Stelling, Jr., 155 Montgomery St., San Francisco.
 Architect—Bertz, Winter and Maury, 210 Post St., San Francisco.
 Contractor—Young & Horstmeier, 461 Market St., San Francisco.
 Filed Jan. 27, '30. Dated Jan. 25, '30.
 Concrete to joists.....\$3425
 Brown coated 2425
 Completed 2425
 Usual 35 days.....2425
TOTAL COST, \$3700
 Bond, \$4850. Sureties United States Guarantee Co. Limit, 90 working days. Plans and Spec. filed.

STORES

NE COR. BURLINGAME AVE. and Primrose Road, Burlingame; general construction on reinforced concrete store and office building.
 Owner—Martin Stelling, Jr., 155 Montgomery St., San Francisco.
 Architect—Bertz, Winter and Maury, 210 Post St., San Francisco.
 Contractor—Young & Horstmeier, 461 Market St., San Francisco.
 Filed Jan. 27, '30. Dated Jan. 25, '30.
 Completed work on ceiling.....\$4375
 Brown coated 4375
 Completed 4375
 Usual 35 days.....4375
TOTAL COST, \$17,500
 Bond, \$8750. Sureties United States Guarantee Co. Limit, 90 working days. Plans and Spec. filed.

RESIDENCE & GARAGE

NORTH PALO ALTO; all work on residence and garage.
 Owner—H. J. Seegelken.
 Architect—None.
 Contractor—A. C. Heald, University Ave., East Palo Alto.
 Filed Jan. 28, '30. Dated Jan. 28, '30.
 Now\$ 400
 Enclosed 650
 Plastered 650
 Usual 35 days 650
TOTAL COST, \$2850
 Forfeit, \$25 per day. Limit, 90 days.

BUILDING

LOT 9 BLK 13 Bay View Heights; general construction on building.
 Owner—Henry Hanush.
 Architect—None.
 Contractor—Charles F. Mague.
 Filed Jan. 29, '30. Dated Nov. 9, '29.
 Loan made\$ 250
 Roofed 1250
 Plastered 1250
 Usual 35 days Balance
TOTAL COST, \$5650
 Limit, 60 working days.

COMPLETION NOTICES**SAN MATEO COUNTY**

Recorded	Accepted
Jan. 23, 1930—5.849 ACRE TRACT, South San Francisco. The Robert Dollar Co to Barrett & Hlip.....	
Jan. 23, 1930—LOT 14 BLK 19, East San Mateo, Lengfeld & Olund to whom it may concern. Jan. 23, 1930	
Jan. 23, 1930—LOT 21 BLK 3, Burlingame Park. Oto Olsen to Bert Norberg.....Jan. 17, 1930	
Jan. 28, 1930—PART LOT 9 BLK 4, North Palo Alto. Robert J Christie to whom it may concern.....Jan. 24, 1930	

Jan. 29, 1930—LOT 41, Hensing Sub San Mateo. Edward J Baumgarten to R C Mitchell. Jan. 27, 1930
 Jan. 29, 1930—LOT 34 BLK 7, Baywood. Lagon W Eib to Thos N Gesso.....Jan. 1, 1930
 Jan. 24, 1930—LOTS 50 AND 51 Blk 3, White Oaks Tract, San Mateo. John F Sheehan to H H MacDonald.....Jan. 18, 1930
 Jan. 27, 1930 — LOS LOMITAS School Site. Los Lomitas School District to E K Nelson.....Jan. 16, 1930
 Jan. 27, 1930—PART LOTS 4, 5 AND 6 Blk 2, San Carlos. California Pacific Title Trust Co to whom it may concern.....Jan. 22, 1930
 Jan. 30, 1930—LOT 2, Lexington Park. Martin Peterson to Self.....January 30, 1930
 Jan. 31, 1930—LOTS 20 and 21 BLK 1, Aragon. Meyer Bros to whom it may concern.....January 30, 1930
 Jan. 31, 1930—LOT 23 BLK 3, Parkway Terrace. John Gugliemetti to Apland.....January 30, 1930
 Jan. 31, 1930—LOTS D and E BLK 6 Sub Lot 112 San Mateo Homestead. Hugo Huelberg to whom it may concern (two completions).....January 31, 1930
 Feb. 3, 1930—LOT 9 BLK 24, San Carlos. Wm Kappelin to whom it may concern.....February 3, 1930

LIENS FILED**SAN MATEO COUNTY**

Recorded	Amount
Jan. 23, 1930—LOT 10 BLK 5, Edgewood Park. San Carlos Lumber Co, \$304.54; Acma Bldg. Supply Co, \$77.35; M E Ryan, \$110.53; San Carlos Feed & Fuel Co, \$75.78 vs George G Nelson et al.....	\$281.35
Jan. 23, 1930—LOT 77, Bayshore Highway Tract. J Minster vs J Carral Roeger et al.....	\$315.95
Jan. 28, 1930—LOT 11 BLK 7, Burlingame. Pacific Mill & Cabinet Co vs Peninsula Lumber Co et al.....	\$325
Jan. 30, 1930—PART LOT 4 BLK 9 Burlingame Hill. San Mateo Feed & Fuel Co vs J Corral Radgen et al.....	\$281.35
Feb. 3, 1930—PART LOT 4 BLK 9, Burlingame Hills. E C Cottier vs J Corral Radgen, et al.....	\$475
Jan. 30, 1930—LOT 14 BLK 3, Burlingame Shore Land Co. San Mateo Feed & Fuel Co vs Martin Tinfot et al.....	\$514.69
Feb. 3, 1930—LOTS 34 and 35, half lot 36 blk 5, Schwerin Tract. Julius J Jacobs vs Andy Row et al.....	\$52.87
Feb. 3, 1930—LOT 10 BLK 1, Burlingame Shore Land Co. J L Conley vs D C Willhite et al.....	\$240
Jan. 24, 1930—LOT 78 Bay Shore Highway. E L Blackman vs Carral Rodger, et al.....	\$150
Jan. 25, 1930—LOT 78 Bay Shore Highway. E L Blackman vs Carral Rodgers et al.....	\$1351.73

RELEASE OF LIENS**SAN MATEO COUNTY**

Recorded	Amount
Jan. 23, 1930—LOT 10 BLK 3, North Redwood. H F Hills to West American Development Co.....	
Jan. 28, 1930—LOCATION NOT Given. San Carlos Lumber Co to San Francisco Bay Terminals Co	
Jan. 28, 1930—LOCATION NOT Given. San Mateo Feed & Fuel Co to George Hunsette et al.....	

BUILDING PERMITS**PALO ALTO**

DWELLING, frame and rustic, \$2000; No. 649 Homer Ave., Palo Alto;

owner, Gus Johnson, 185 Bryant St., Palo Alto.
RESIDENCE, frame and stucco, \$9000; No. 1803 Middlefield Rd., Palo Alto owner, Ruth G. Schmaling, 1932 Waverly St., Palo Alto; contractor, E. J. Schmaling, 1932 Waverly St., Palo Alto.
RESIDENCE, frame and stucco; \$10,000; owner, John Hanson; architect, Edwin Reichel.

BUILDING PERMITS**REDWOOD CITY**

GARAGE, reinforced concrete, \$22,500; No. 145 Webster St., Redwood City; owner, General Properties Co., Inc.; contractor, Wells P. Goodenough, 310 University Ave., Palo Alto.
DWELLING, frame, 6-room and bath and garage, \$6000; No. 903 Brewster St., Redwood; owner and contractor, T. S. Karp, 224 Iris St., Redwood City.
DWELLING, frame, 6-room and basement garage, \$10,000; No. 12 King St., Redwood City; owner, Daniel Hagmar, 931 Fell St., San Francisco; contractor, E. A. Anderson, 1177 De Haro St., San Francisco.
DWELLING, frame, 8-room and garage, \$14,000; No. 917 Durlston Road, Redwood City; owner, L. C. Rowen, 903 Durlston Road, Redwood City; contractor, L. Bourquin 211 Braddock St., Redwood City.
DWELLING, frame, 6-room and garage, \$5000; No. 114 Somerset St., Redwood City; owner, Edmund Scott; contractor, R. D. Squires, Ninth Ave. and Fair Oaks, Redwood City.

BUILDING PERMITS**SAN JOSE**

ALTER Class C business building, \$2500; First and San Antonio Sts., San Jose; owner, P. H. Boomer, 1671 The Alameda, San Jose; architect and contractor, Edwin A. Datzell, Datzell Bldg., Oakland.
RESIDENCE, 5-room frame, \$4850; Vermont St. near Myrtle, San Jose owner, Chas. Hastings, 990 The Alameda, San Jose.
RESIDENCE, 5-room frame, \$4900; McDaniel St., near Park, San Jose owner and contractor, Wm. O'Neill, 1500 McDaniel St., San Jose.
ALTER frame lodge building, \$1650; No. 259 N-Second St., San Jose; owner, Germania Hall Assn., 259 N-Second St., San Jose; contractor, H. Bolwin, 1041 Garland St., San Jose.
RESIDENCE, 4-room frame, \$2800; Elm St. near Vermont, San Jose; owner, E. A. Turner, 931 Elm St., San Jose.
ALTERATIONS, \$1000; NE San Pedro and San Fernando Sts., San Jose; owner, Robt. Benson, Market and San Fernando Sts., San Jose; contractor, Megna & Newell, Bank of Italy Bldg., San Jose.
RESIDENCE, 5-room frame, \$2850; Seventeenth St. near Empire, San Jose; owner and contractor, A. M. Elliot, 1441 Sierra St., San Jose.
SWITCH compartment for transformers, \$6000; owner, Pacific Gas & Electric Co., S-Third St., San Jose.
RESIDENCE, 5-room frame, \$4500; McDaniel St. near Park, San Jose; owner and contractor, Wm. O'Neill, 1500 McDaniel St., San Jose.
ALTER store and residence, frame, \$1450; Second and Taylor Sts., San Jose owner, F. Silvestri, 2944 Gough St., San Francisco.

SCHOOL, 2-story concrete, \$80,000; Dana St. near Naglee, San Jose; owner, San Jose School Dept.; Washington Square, San Jose; contractor W. J. Ochs Co. Fresno

RESIDENCE, 2-story 6-room, \$7750; SE Naglee and Morse Sts., San Jose; owner, H. J. Pascoe, 208 W. Santa Clara St., San Jose; contractor, T. H. Herschbach, Twoly Bldg., San Jose.

BUILDING CONTRACTS

SANTA CLARA COUNTY

GARAGE
LOT 3 BLK "G", San Mateo Hgts.; general construction on reinforced concrete garage.
 Owner—G. F. Adolphson, et al, 706 N. Clement, San Mateo.
 Architect—None.
 Contractor—G. W. Williams Co., 2807 Adeline, Burlingame.
 Filled Feb. 3, 1930. Dated Jan. 24, 1930
 Steel placed\$1950
 Roofed 1950
 Completed 1950
 Usual 35 days.....1950
TOTAL COST, \$7800
 Limit, 60 working days.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Jan. 20, 1930—W SAN ANTONIO St., bet. First and Market Sts., San Jose. Chas J Kuhn to R O Summers.....	Jan. 11, 1930
Jan. 21, 1930—PTN LOTS 26 AND 27. Heart-of-the-Willows Subd. Willow Glen. H N Traxler to whom it may concern.....	Jan. 21, 1930
Jan. 21, 1930—LOT 16 BLK 2 NR 3 Willer and Thomas Sts., Gilroy. Christian Science Society of Gilroy to whom it may concern.....	Jan. 16, 1930
Jan. 21, 1930—LOT 1 BLK 5, Los Altos Park, Los Altos. Merle N Joh; Alpha S Job and Virginia M Spinks to whom it may concern.....	Jan. 10, 1930
Jan. 21, 1930—LOT 39 BLK 13 N side University Ave., bet. Ramona and Bryant Sts., Palo Alto. Georgina Ostrander to George Petersen.....	Jan. 11, 1930
Jan. 22, 1930—LOT 9 Los Alamos Tract near Mt. View. A T Hine to Philip Dorr.....	January 17, 1930
Jan. 23, 1930—NO. 213 FULTON ST. Palo Alto. Henry Stevenson to whom it may concern.....	Jan. 10, 1930
Jan. 23, 1930—LOT 13 BLK 122, Crescent Park No. 2, Palo Alto. J D Campbell to whom it may concern.....	Jan. 21, 1930
Jan. 24, 1930—MARKET AND SAN Salvador Sts., San Jose. Associated Oil Co to whom it may concern.....	January 23, 1930
Jan. 24, 1930—LOT 13, San Jose. Luigi Chiaramonte to whom it may concern.....	Jan. 21, 1930
Jan. 21, 1930—LOT 34, Empire Subd. whom it may concern.....	Jan. 23, 1930
Jan. 27, 1930—LOT 14, Adams Subd. San Jose. Mary E Cory to whom it may concern.....	Jan. 20, 1930
Jan. 25, 1930—LOT 3 BLK 13, Evergreen Park, San Jose. Duffield Lumber Co to whom it may concern.....	Jan. 23, 1930
Jan. 27, 1930—LOTS 8, 9, Hamilton Court, Carl B. Neel Subdivision, San Jose. Minnie Klepethko to whom it may concern.....	January 20, 1930
Jan. 25, 1930—SE CHILTON 300 NE Bird Ave., San Jose. C O Metcalf to whom it may concern.....	January 28, 1930
Jan. 31, 1930—LOT 36, Thorne Subd. San Jose. C Masieilo to whom it may concern.....	Jan. 22, 1930
Feb. 1, 1930—LOT 8 BLK E, South-	

gate, Palo Alto. Erick Erickson to whom it may concern.....
 January 31, 1930
 Feb. 1, 1930—S 15 FT. LOT 24, N 20 ft. Lot 3 BLK 3 R 1— (as ls), San Jose. Raymond Cavalli to whom it may concern.....
 Feb. 1, 1930—LOT 7 BLK 1, North Gilroy Tract. E M Schumacher to whom it may concern.....
 Feb. 1, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Jan. 22, 1930—LOT 4 BLK 21, Lendrum Tract, San Jose. San Jose Lumber Co (a corp) vs Joe Ennis and F J Higuera.....	\$279.96
Jan. 22, 1930—E SUXOL ST. 219.50 N San Fernando St. rt angles E 140 ft S parl Sunol 60' SW 140 ft to Sunol N on Sunol 60 ft and prc. Geo Kelly vs William and Anita Bellono.....	\$185
Jan. 23, 1930—LOTS 24, 25 and 26 Clayton & Co's Subdiv of Las Animas Reh Lot 55. H P Atkinson vs J R Lemos.....	\$159.93
Jan. 23, 1930—LOT 14 BLK 6, Los Altos Park. D and S Lumber Co vs M E Lennon et al.....	\$133
Jan. 23, 1930—5.216 ACRE pt Sec 25 Twp 7 S R 2 W. Sterling Lbr Co vs F W Haswell et al.....	\$170.82
Jan. 25, 1930—LOT 6 BLK 5, Claremont Subdiv. San Jose Lumber Co vs George Doran.....	\$255.11
Jan. 31, 1930—LOT 22, Yeuve Laguer Tract, San Jose. Tilden Lumber & Mill Co vs Angelo Cirigliano et al.....	\$41.92
Jan. 31, 1930—LOT 7, Yeuve Laguer Tract, San Jose. Tilden Lumber & Mill Co vs Calogera Badame.....	\$115.87
Feb. 1, 1930—A-Part BLK 1 R 2 North; No. 86 S-FIRST ST, San Jose. Williams & Russo vs Security Bldg Co.....	\$42.65
Feb. 1, 1930—LOTS 9 AND 10 BLK C. Lion Addition, San Jose. Sterling Lumber Co vs J H Gallant.....	\$257.63

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Accepted
Jan. 21, 1930—PTN LOT 1 Morrison Tract, San Jose. James H McElroy and Leo G Cheim doing business as McElroy & Cheim Lbr Co to Neil Darrah.....	\$699.22

BUILDING PERMITS

RICHMOND

COTTAGE, 5-room frame and plaster and garage, \$3200; E 31st St., bet. Roosevelt and Clinton Sts., Richmond; owner and contractor, J. F. Childs, 107 Edward Ave., Richmond.

RAISE frame building and construct store under; add 2 rooms, \$1100; E 23rd St., bet. Grant and Clinton Sts., Richmond; owner, Mrs. Mary Scutulin, 656 23rd St., Richmond.

COTTAGE, 5-room and garage, frame and plaster, \$4500; E McLaughlin St., bet. Barrett and Roosevelt Sts. Richmond; owner and contractor, Herbert Green, 918 Ramona Ave., Berkeley.

ALTER interior and plaster exterior of three-story apartments, \$4000; NW Eighth St. and Nevin Ave., Richmond; owner, Mrs. Etta Shrrp, 218 6th Ave., San Francisco; contractor, David Dryden, 1518 Solano Ave., Albany.

COTTAGE, 5-room and garage, frame and plaster, \$4000; W 31st St., bet.

Roosevelt and Clinton Sts., Richmond; owner and contractor, N. E. Anderson, 3100 Barrett St., Richmond.

COTTAGE, 5-room, frame and plaster, \$4500; W Key Blvd., bet. Barrett and Roosevelt Sts., Richmond; owner and contractor, Herbert Green, 918 Ramona Ave., Berkeley

BUILDING PERMITS

(San Anselmo, Marin County)

The following building permits were granted during the month of January, 1930, by the town trustees of San Anselmo, Marin county:

E. R. Parks. Addition, Lots 11 and 12, Sequoia Park, Crooked Ave. Est. cost, \$400.

Ignacio Land Co. Alterations. Chama Building, E Tunstead Ave. Est. cost, \$1000.

S. Hecksher. Alteration. Lot 164 and pt of Lot 165 Road Valley Park Villa Lotts, Crescent Road. Est. cost \$1200.

J. McNaboe. Erect shed. Descriptive Parcel, Martinelli Tract. Est. cost, \$75.

Campbell & Maslen. Garage. Os-good Tract. Main Street (Union Oil Service Station). Est. cost \$300.

BUILDING PERMITS

STOCKTON

RESIDENCE and garage, \$4000; No. 2315 Dwight Way, Stockton; owner, Stephen N. Blewett, Bank of Italy Bldg., Stockton; contractor, F. P. Dobson, 150 W-Harding Way, Stockton.

RESIDENCE and garage, \$4500; No. 2661 Crafton Way, Stockton; owner, E. Merlo, Moreings Lane, Stockton.

RESIDENCE and garage, \$5000; No. 124 W-Acacia St., Stockton; owner, Arthur Hollenbeck, 825 E. Acacia St., Stockton.

RESIDENCE and garage, \$5000; No. 125 W-Cleveland St., Stockton; owner, Anton Larson, Premises.

RESIDENCE and garage, \$4500; No. 432 South Regent St., Stockton; owner, S. C. Giles, Premises.

RESIDENCE and double garage, \$4500 No. 132 Euclid Ave., Stockton; owner, Wirt M. West; contractor, Randolph & West.

NEW store front, \$1000; No. 517 E. Main St., Stockton; owner, Ruhl & Lorenz, Premises; contractor, R. Melville, Waterloo Road, Stockton.

REMODEL and new partitions, \$1500; Weber Ave. and Lincoln St., Stockton; owner, Sperry Flour Co., Premises; contractor, T. E. Williams.

SERVICE station, \$7000; No. 642 E. Miner St., Stockton; owner, L. R. Moore; contractor, J. A. Allen, 525 E-Market St., Stockton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
Feb. 3, 1930—LOTS 5 AND 6 BLK 29, Fair Oaks Tract, Eastern Addition to City of Stockton. James Welch to C C Russell.....	Jan. 31, 1930
Feb. 4, 1930—LOT 21, Lone Tree Co. Escalon Kadota Flg Co to Carl T. Brayton.....	Jan. 30, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded	Amount
Feb. 5, 1930—S 80 ACRES of NE 1/4 of Sec 2, T 3 S, R 5 E and N 1/2	

acres SE $\frac{1}{4}$ of same. Good Lum-
ber Co vs J N Henson, A A Perry
and Charles Wiss. \$601.80
Feb. 1, 1930—S 330 FT. OF N 1669.5
ft. of W $\frac{1}{2}$ of Section 20 T 1 S
R 7 E, Stockton. Hayward Lum-
ber & Investment Co vs A D Mott
\$132.82

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Jan. 30, 1930—N $\frac{1}{2}$ LOTS 11 AND 13
Blk 141. Fourth Addition to
Pacific Grove Retreat. William E
Gould to whom it may concern.....
Jan. 23, 1930
Jan. 31, 1930—LOT 1 BLK 3, Monte
Regio Tct, Monterey. J R Sned-
Kynnersley and Marion H Sned-
Kynnersley to W B Snook
January 28, 1930

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount
Jan. 31, 1930—LOT 500, C. Stratton's
Map of Petaluma. S J Weeks to
M E C Cader.....
Jan. 28, 1930—LOT 21, Baker Tract
No. 2, Petaluma. William C Arm-
strong to A W Baker.....\$24.75

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
Jan. 24, 1930—TAMALPAIS VALLEY
Wm C and Irene Johansen to
whom it may concern. Jan. 22, 1930
Jan. 27, 1930—KENTFIELD. Marin
Union Jr. College District to
Young & Horstmeier. Jan. 18, 1930
Jan. 28, 1930—SAN ANSELMO.
Henry Wykes to whom it may
concern.....Jan. 15, 1930

BUILDING PERMITS

SACRAMENTO

REPAIRS, general, \$5000; 3210 Fol-
som Blvd.; owner Spurgeon Clean-
ing & Dyeing Co., premises; con-
tractor, F. Maloney, 3172 T St.,
Sacramento.
REPAIRS, general, \$3150; 731 K St.;
owner, A. E. Coolot, premises.
REPAIRS, general, \$2250; 919 K St.;
owner, Henry Shaefer, premises;
contractor, J. A. Saunders, 1045
45th St., Sacramento.
RESIDENCE, 5-room, \$3500 No. 608
San Miguel Way, Sacramento;
owner, Hubert Marsh, 2641 16th
St., Sacramento contractor, L. A.
Roy.
AUTO repair shop, \$5000; No. 1215 G
St., Sacramento; owner, Hanley &
Payton, 1216 G St., Sacramento;
contractor, M. R. Peterson, 4530
Parker Ave., Sacramento.
RESIDENCE, 7-room, \$6500; No. 808
47th St., Sacramento; owner, J.
D. Haworth, Rt. , Box 82-B, Fol-
som.
RESIDENCE, 6-room, \$4000; No. 2000
Bidwell Way, Sacramento; owner,
Jos. Edenhofer, 3032 17th St.,
Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Jan. 29, 1930—LOT 11, McKinley
Blvd. Tract, Sacramento. John
Dandretta to whom it may con-
cern.....Jan. 25, 1930
Jan. 29, 1930—LOT 107 McKinley

Blvd., Sacramento. John Dan-
dretta to whom it may concern.....
Jan. 25, 1930
Jan. 30, 1930—ARCADE CREEK
Bridge at Bel All. Southern Pacific
Co to whom it may concern.....
(cleaning and painting). Jan. 21, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Jan. 28, 1930—LOTS 6223 & 6224,
Mission Trecho. George L Danner
vs Ida M Hodge and O E Dim-
mick.....\$120.41

RELEASE OF LIENS

SACRAMENTO COUNTY

Recorded Accepted
Jan. 29, 1930—205 WEST CURTIS
Oaks Addition, Sacramento. Crane
Co vs Capitol Plumbing & Heat-
ing Co, Inc; Klein Realty Service,
Inc; Arthur J and Carolyn S
Atherton.....\$60.08
Jan. 29, 1930—LOT 222 W & K Tct
24 Addition, Sacramento. Crane
Co to Capitol Plumbing & Heating
Co, Inc.; Klein Realty Service,
Inc.; Thornton K May and Lucille
Steers.....\$205.14

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Jan. 30, 1930—LOTS 25 and 26, Se-
quoia Park Sub No 2, Fresno. G
Grover Epperson to Taylor-Wheel-
er, Inc.....January 29, 1930
ALTERATIONS and additions, \$11,000;
Southern Pacific Depot, Fresno;
owner and contractor, Southern
Pacific Co., premises.
STORE, \$3000; No. 1143 C St., Fresno
owner, John Volanti, 2166 Tupman
St., Fresno.

DWELLING, \$3000; No. 830 Adolphe
St., Fresno; owner, Victor Douty
contractor, Chess & Peterson, 1937,
Fresno St., Fresno.
REPAIR fire damage, \$10,000; 1428
Grant Ave.; owner, Westminster
Presbyterian Church, premises.
STORE, \$75,000; 1347 Fulton St.; own-
er, Normandie Corp.; contractor,
E. J. Heffner, 252 N Broadway
Fresno.

COMPLETION NOTICES

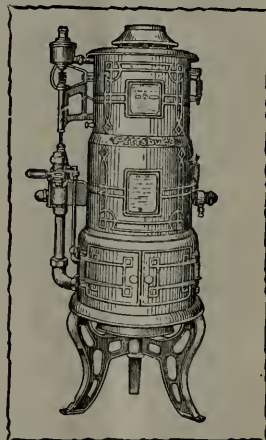
FRESNO COUNTY

Recorded Accepted
Jan. 23, 1930—LOTS 31 & 32 BLK
43, K & B Heights, Fresno. Thos
Haslett to George Elea. Dec. 19, 1929
Jan. 28, 1930 — LOT 11 BLK 22,
Hayes Addition, Fresno. Homer
D Windell to A R Eklund.....
Jan. 27, 1930
Jan. 29, 1930—BLK 95, Coalinga.
Coalinga Union High School Dist
to C E Tellyer (addition).....
January 22, 1930
Jan. 29, 1930—LOT 1 BLK 10, N
Park Terrace, Fresno. A F
Lambert to whom it may concern
January 27, 1930
Jan. 31, 1930—PART LOTS 23 AND
24 and S 8.87 ft. Lot 25, Acacia
Park, Part of Acacia Ave., Fresno.
Lynden L Babcock to whom it
may concern.....Jan. 31, 1930
Feb. 1, 1930—LOTS 6 AND 7 BLK
1, College Addition, Fresno. M
Ducey to whom it may concern.....
January 1, 1930

LIENS FILED

FRESNO COUNTY

Recorded Amount
Feb. 1, 1930—LOTS 21 AND 22 BLK
4, Oakwood. Malsler Bros Lum-
ber Co vs M L Deken and Amelia
M Vance.....\$148



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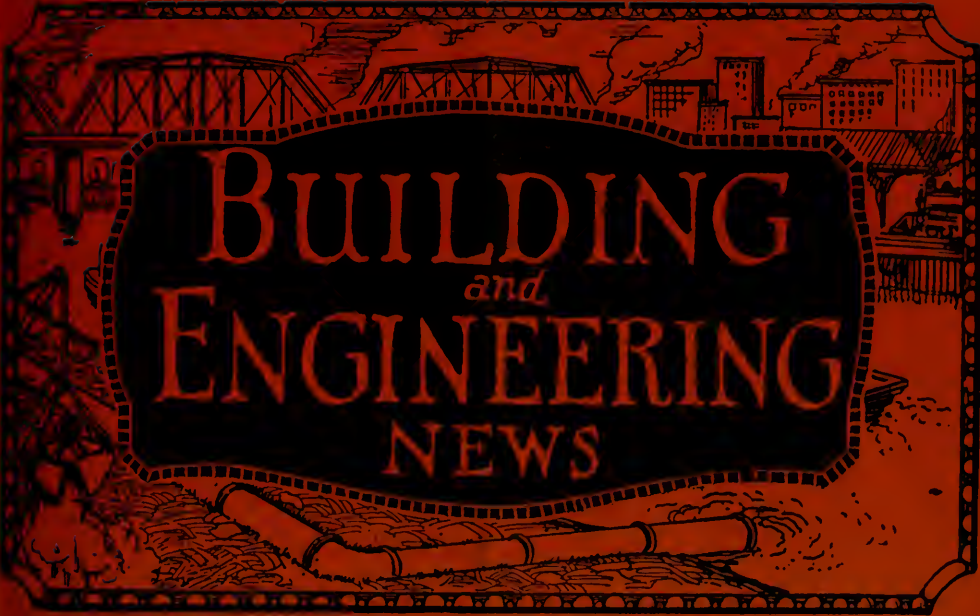
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BUILDING *and* ENGINEERING NEWS

Publication Office
27 Mission Street

SAN FRANCISCO, CALIF., FEBRUARY 15, 1930

Thirtieth Year, No. 7
Published Every Saturday

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., FEBRUARY 15, 1930

Thirtieth Year, No. 7

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

S. F. CHAPTER, A. I. A. SEEKS FEDERAL WORK

"Economic interests of the Nation and of the building industry and the cause of good architecture will be best served by the employment of private firms in the localities affected as architects of all federal office buildings and post offices," according to a resolution adopted at the last regular meeting of the Northern California Chapter, American Institute of Architects, It is announced by James H. Mitchell, secretary of the chapter.

"Aside from stimulating the economic welfare of the cities, the Chapter believes that better buildings will result from having local architects, because of their familiarity with local conditions, requirements and materials of construction," Mitchell continued. The resolution is published herewith:

"BE IT RESOLVED, that the Northern California Chapter of the American Institute of Architects considers that the economic interests of the nation and of the building industry and the cause of good architecture will be best served by the employment of private firms in the localities affected as architects of all federal office buildings and post offices."

OAKLAND TO BAN PATENTED STREET PAVEMENTS

Walter N. Frickstad, new city engineer of Oakland, succeeding George N. Randle, in taking office declared that while it is yet too early to make any statement as to the policy, plans or intentions, he takes office with the intention of ruling out patent paving on Oakland's streets, which have been the cause of bitter controversies in the past.

"There will be no patent paving bought when the same object can be attained by unpatented pavements," said Frickstad. "I see no reason why the city should pay royalties for patent mixtures. There is plenty of good paving material available without having to pay royalties.

"We are starting with a definite policy in favor of open specifications for public street work, with free and open competition for all."

DEFECTIVE HEATING CAUSE FOR \$25,000 SUIT

Naming the Fidelity & Deposit Company of Maryland and the Independence Indemnity Company as defendants, the Padre Hotel Corporation of Bakersfield has filed a civil complaint in which judgment for \$25,000 is asked. The hotel corporation alleges in its complaint that it cost \$24,527.48 to remodel the heating and cooling apparatus in the hotel at Bakersfield so that it would operate satisfactorily and asks judgment on the contention that the original contractor agreed to install satisfactory equipment.

WHAT IS AN ARCHITECT ?

Just what is an architect? "The architect, as the engineer, is above all a highly educated man. He not only is that, but usually he is a highly cultured man—a man whose interests and instinctive feelings reach out to all the finer things which may grace our life and organization. He has high ideals in regard to these and the integrity, honesty of purpose and performance which should prevail in professional and business relations. He is frequently interested in music, history, literature, higher education, civic improvement and even such remote subjects as international relations and human progress generally." So says F. S. Laurence in *Class and Industrial Marketing*.

U. OF S. C. ARCHITECTURAL DISPLAY SCHEDULED

The entire second floor of the State Building in Exposition Park, Los Angeles, is to be devoted to a display of the work of students in the School of Architecture of the University of Southern California from April 2nd to June 1st.

In addition to building plans and designs, there will be freehand drawings, mural paintings, stained glass designs, watercolor sketches, statuary, bas-reliefs, sketches of interior arrangements, ornamental iron work designs, friezes, and figurines clothed by co-eds to illustrate period costumes.

The same work will constitute a campus exhibit in the Architecture Building of the University of Southern California during the Semi-Centennial celebration of the Trojan University, May 29 to June 7th. Other unique and significant exhibits to be featured in the Golden Anniversary program include scientific laboratory work, charts showing legal clinic work, a music exhibit, physical education demonstrations, and a relief map of the prospective permanent campus at S. C., as well as comparative relief maps showing the growth of the present campus since 1880, when the University of Southern California was founded.

S. B. Merry and H. H. Mylander, former manufacturing executives, have purchased a 100-acre site from the Griffin Estate in South Richmond, Contra Costa County, and propose to erect homes of factory workers. They will operate under the firm name of Community Builders of Richmond. Application has been made to the State Corporation Department to issue stock to finance the project.

STATE COMMERCE CHIEF TO AID LOCAL INDUSTRIES

Announcement was made at Sacramento by Charles C. Bowen, Chief of the State Bureau of Commerce, that he had finished writing letters to nearly 1400 commercial associations to obtain certain facts, the possession of which would enable the bureau intelligently to relay important trade tips and information that should result in profitable new markets for California's commodities.

"Inquiries and trade opportunities are being received every day from private and federal sources. We believe the number of these inquiries will increase as time goes on, and if properly followed up, new outlets will be found for our resources," says Bowen.

"The need for a directory of California commercial associations that are active in the marketing of California's resources has been expressed to us by exporters and buyers, and it is the intention of the bureau to compile and publish a directory that will show who and where these organizations are and what they have to sell. By reason of the need for this information the bureau is hopeful that there will be 100% reply to my letter by February 20.

"A controlling factor that supports the increasing demand for California products lies in the fact that basic appeal is made upon quality rather than price. This policy is fundamental to the successful development of domestic and foreign commerce, and every exporting agency should safeguard that principle."

To illustrate, Bowen told of a recent conversation with a British commercial attaché who commented favorably on the fact that he could buy better California oranges in London than he could here, which condition he declared made for a consumer's preference for our oranges.

A function of the bureau is to correlate and localize trade information that will lead to new domestic and foreign outlets. In this connection the bureau is mindful of the fact that its success will be measured largely by the extent that the bureau coordinates its efforts with the activities of the federal departments of commerce and agriculture, and other existing fact-finding agencies.

TEIGLAND, SAN JOSE BUILDER, FILES BANKRUPTCY PLEA

Christian Teigland, San Jose contractor and builder, has filed a petition for bankruptcy in the federal court in San Francisco, alleging unsecured debts totaling \$10,426 and no assets. He has 30 creditors all living in San Jose. The petition was adjudicated by Federal Judge A. F. St. Sure and Teigland ordered to appear on Feb. 20 before M. E. Wright, referee in bankruptcy, in San Jose.

SAN ANTONIO AWARDED 1931 MEET OF NATIONAL BUILDERS

By JOE ODGERS

The Nineteenth Annual Convention of the National Association of Builders' Exchanges was a success—a big success.

It was a real business convention, mingled with pleasure to relieve the pressure of thought affecting those issues which today are hampering the progress of the construction industry.

Committee reports were brief and to the point—citing the ailment and recommending the cure.

The Secretaries' Conference, which opened the convention, permitted the cogs in the wheels of the building industry to discuss ways and means for better organization. It permitted them to point out discrepancies in their respective districts and to compare such discrepancies with those in other sections. It afforded them food for thought. Remedies were suggested and attempts will be made to make them effective.

In all—the convention was a success—a big success.

With the delegates who are about ready to leave for the home grounds, the good wishes of the citizens of San Francisco go with them.

We trust they will come again and visit our city; if not for business, then for pleasure.

In business and in pleasure, we believe the local builders' exchange has established the fact safely in mind that:

"San Francisco Knows How."

William H. George, president of the San Francisco Builders' Exchange was unanimously elected president of the National Association of Builders' Exchanges at the third day session of the Nineteenth Annual Convention of that body at the Palace Hotel. George succeeds Sam Hotchkiss of St. Joseph, Missouri.

W. A. Sharp of Reading, Pa., was elected first vice-president; C. C. Choffin of Youngstown Ohio, second vice-president; J. T. Haile, Jr., of San Antonio, Texas, third vice-president; and J. A. Dahlman of Milwaukee, Wis., fourth vice-president.

Max Baumann of New York was re-elected treasurer of the association.

TUESDAY SESSION

Tuesday's session opened with an address of welcome by Jas. Rolph, Jr., on the part of the municipality.

George W. Kelham, architect, delivered the address of welcome on the part of the local construction fraternity, at the same time urging the national association to get behind the movement to eliminate the irresponsible contractor. Elimination of waste in industry was also stressed by Architect Kelham.

Will J. French, state director of industrial relations, delivered an address urging adoption of a national safety code, declaring that "the acid test of civilization is the conservation of human life."

Sam Hotchkiss, in his annual address predicted a period of prosperity throughout the country for the next five years "far beyond the expectation of the most optimistic."

Wm. H. George submitted two resolutions, one pledging the co-operation of the national association to do everything in its power to carry out the wishes of President Hoover in respect to a full building program throughout the country during the current

year. The other called upon Federal, State and Municipal governments to discontinue parceling out building work on the day labor basis and to let all projects on a competitive bidding basis.

Following adjournment of the business session the delegates were taken to Pittsburg, Contra Costa County, to inspect the plant of the H. W. Johnsonville Company and later enjoyed a dinner at the plant of the Cowell Lime and Cement Company at Cowell, Contra Costa county.

WEDNESDAY SESSION

James F. Collins, director of the California State Department of Professional and Vocational Standards, addressed the convention on the "Licensing of Contractors." He told of the purposes of the license law in California, explained what it has accomplished and the necessity for strict enforcement for the protection of the



WM. H. GEORGE, President

contractor himself, the prospective builder, the architect and the public in general.

It was at this session that officers for the ensuing year were elected.

Following the election the meeting adjourned and the delegates were taken by automobile for a trip down the Peninsula, returning by way of Princeton-by-the-Sea where a dinner was served.

THURSDAY SESSION

At the Thursday session of the convention, Perry Sawyer of the Los Angeles Builders' Exchange, delivered an address on "Loose Credits."

Reports of various committees including those on Inter-Relations, Re-forestation and Building and Housing were submitted, discussed and recommendations made as to the next procedure.

San Antonio was selected as the 1931 convention city.

At the close of the business session the delegates were taken on an excursion around San Francisco Bay, visiting the principal places of interest.

PRESIDENT'S MESSAGE

The annual message of Sam Hotchkiss, retiring president of the association, is published herewith:

"It is now my duty to inflict upon you the President's annual message. It has been a pleasure and a great honor to serve as your President during the past year.

"I wish at this time to express my appreciation to the membership as a whole, and the Board of Control.

"I would like to make special mention of the excellent support given me by Mr. William F. Chew of Baltimore and Mr. David T. Riffle of Pittsburgh.

"I also wish to mention the very efficient work of Mr. Earl F. Stokes, and Mrs. Stokes, for the very capable manner in which they have handled the work of the National Association.

"I want to thank the Secretaries for their cooperation with the National Office and their work in making the Secretaries' Conference a success; for they are the men to carry on the real work of the Builders' Exchange.

"I wish to thank Mr. William Tubeling of Milwaukee for his untiring work of carrying on the safety work of the National Association.

"This year has been rather an active year with regard to the work of Accident Prevention, Standardization and Simplified Practice, Standard Documents, Wood Utilization, and our continued work on the Hoover committee for Uniform Lien Laws.

"It might be interesting for you to know that when the question of a 1930 census of distribution was proposed and money appropriated by Congress to carry on this work that the construction industry was not included in the program and through the efforts of the Division of Building and Housing and our National Association the committee in charge of this work were made to see that a complete survey or census of distribution could not be made if the second largest industry in the country was not in the picture. After several meetings with the committee and a proposed schedule being submitted to them, a place was conceded to the construction industry and I feel that this is one of the big accomplishments during the 1929-1930 administration.

"I attended the construction conference called by Mr. Hoover in November and December of 1929 in Washington, D. C., and I feel confident that these meetings settled in the minds of the public that business was not to be worried over but that prosperity would follow, due to the interest and cooperation by the business men of the country in these conferences. I feel sure that we are going to see a period of prosperity in this country during the next five years far beyond the expectation of even the most optimistic. For the construction industry we are going to have the biggest building program that we have ever witnessed in our day.

"There will be much for the trade associations to accomplish during the next two or three years when this building boom is on, and our National Association expects to play a very prominent part in this program, and earnestly urges the united and undivided support of all active Builders' Exchanges throughout the country.

"Another subject that will require our attention and careful study during the year and one which we hope to see pushed forward as speedily as possible is the question of loose cred-

its. This subject I feel is an important one to the building industry, and should have the careful consideration of all Builders' Exchanges throughout the country and I recommend that each Exchange consider for its own personal benefit the setting up of a Builders' Exchange Credit Bureau. This to my mind, would be one of the best services that an Exchange could offer to its membership.

"Trade associations today are one of the great factors that go to move the wheels of industry and we must lend out best efforts to keep their wheels in motion.

"After guiding the affairs of this association for the last year and learning the very crying need of more finance to properly operate this, the oldest national building association in existence in the United States, the very idea of trying to run a National Association of the second largest industry on a per capita of one dollar a year is almost an impossibility; but I do not believe it is possible to raise the per capita tax any higher.

"The only way that I can see for this association to take its place in the national affairs is to have the big men of the industry come out and get their shoulders to the wheel and take out a contributing membership and raise enough funds to keep a Field Secretary out in the interest of our association.

"I made a start on this last year—I sent out about fifty personal letters to the men that I knew and I am glad to say seventeen of them came across with twenty-five dollars each for a contributing membership. Now there ought to be two hundred men in the National Association that think enough of the business that put them where they are to subscribe twenty-five dollars a year to the cause. I want to take this opportunity to thank the seventeen men that answered my call and ask any other men here that would like to help build up the association to leave their name and check with the secretary.

"Now men it is up to you—we cannot compete with other national associations and keep the building industry where it belongs on one dollar per year while our competitors collect over fifty dollars per year from about six thousand members. I hope this subject will be discussed on the floor. There are any number of live topics that need our earnest consideration and I hope they will be given full discussion.

"You all have in your hands a copy of the program of this convention and it will inform you when the different subjects come up for discussion; as the time is short we will not be able to refer back to the subject again.

"I am going to ask you to try to be in the convention room at the time designated. Some of us have traveled clear across the United States to attend this conference and to them, at least, we should try to give the benefit of our attendance."

"The San Francisco Exchange has given a lot of time and money to entertain us while here and have a lot to show us; so try to be in your places on time. I thank you."

COMMITTEES APPOINTED

Resolutions Committee—A. J. Rhodes, chairman, New York; Wm. Tubeling, Milwaukee; Raymond Sharp, Reading; George Israel, Pasadena; T. W. Dodd, St. Joseph; A. H. Wilhelm, San Francisco; Franklin O. Thomson, Houston.

Committee to Study Referendum of the United States Chamber of Commerce—Anton Hennecke, Milwaukee; A. H. Wilhelm, San Francisco; F. F. Young, New York; D. E. Bair, Santa Monica; Wm. F. O'Keefe, Stockton; Wm. Friederich Rochester; Sam Sherman, Reading.

Nominating Committee—Robert L. Reisinger, Milwaukee; R. J. H. Forbes, San Francisco; John Dahلمان, Mil-

waukee; Walter S. Faddes, New York; Grant Parsons, Omaha; Sam Sherman, Reading; Allison Honer, Santa Ana.

Auditing Committee—W. H. George, chairman, San Francisco; J. T. Haile, Jr., San Antonio; A. Hennecke, Milwaukee; H. J. Randenbush, Reading; R. J. Cochrane, Pittsburgh; Erby Smith, St. Joseph.

Committee Award Attendance Cup—Sidney Cornelius, chairman; W. H. George, San Francisco; Mano Zan, Los Angeles; H. C. Anderson, Berkeley; Chas. Hellums, St. Joseph.

BOARD OF CONTROL

The following members comprise the Board of Control of the National Association to serve for the ensuing year:

W. F. Kuchano of the Master Builders of Iowa; Wm. M. Friederich, Rochester, N. Y.; T. W. Dodd, St. Joseph, Mo.; D. T. Riffle, Pittsburgh, Pa.; H. C. Anderson, Berkeley, California; Allison Honer, Orange County, L. S. Feletz, Stockton; George Israel, Pasadena; C. A. Thanheiser, Hous-



SAMUEL HOTCHKISS
Retiring President

ton, Texas; C. G. Norman, New York City; R. E. Homann, Los Angeles.

David E. Baird, Santa Monica; Max Baumann, New York City; C. C. Choffin, Youngstown, O.; Wm. F. Chew, Baltimore, Md.; John Dahلمان, Milwaukee, Wis.; John C. Dethoff, Reading, Pa.; Jas. J. Dalzell, Youngstown, O.; W. H. George, San Francisco; E. E. Gilmore, Omaha, Neb.; J. T. Haile, Jr., San Antonio, Texas; Sam Hotchkiss, St. Joseph, Mo.; Albert D. Howell, Boston, Mass.; F. B. Kinzey, Johnstown, Pa.; A. B. Lang, Louisville, Ky.; J. H. Mulherin, Augusta, Georgia.

Alexander Orr, Jr., Miami, Fla.; Grant Parsons, Omaha, Neb.; Jim Quinn, Memphis, Tenn.; E. R. Ratzburg, Tamassua, Pa.; Robt. L. Reisinger, Milwaukee, Wis.; C. C. Schrepferman, Denver, Colo.; W. A. Sharp, Reading, Colo.; A. L. Smith, Washington, D. C.; P. W. Tibbs, Oklahoma City, Okla.; C. C. Warner, West Palm Beach, Fla.; A. H. Wilhelm, San Francisco; R. E. Williams, Buffalo, N. Y.

SECRETARIAL BUREAU

An unusual feature pertaining to the convention was the Secretarial Bureau operated by the Fidelity and Deposit Company. This Bureau has been in operation at this convention for the past eight years. Chairmen of the different committees and the delegates utilize the service in having resolutions drawn, and many papers prepared that have to do with the operation of the convention. The

bureau has three young ladies to do the stenographic work, and they also have favors consisting of cigars, cigarettes, after-dinner mints, pencils, etc. George R. Babyton, Baltimore, was in charge of the bureau.

The convention closed with a banquet staged in the Gold Room at the Palace Hotel.

Immediately preceding the banquet the delegation from Milwaukee, Wisconsin, was presented with the trophy offered by Robert L. Reisinger, past-president of the National Association and a member of the executive committee. The Reisinger trophy was awarded on the basis of the member exchange having the largest number of registered delegates at the convention. The Milwaukee delegation numbered fourteen.

Following a number of brief talks and a varied program of entertainment dancing, was enjoyed until midnight.

SANTA CRUZ SUB-CONTRACTORS PERFECT ORGANIZATION

Santa Cruz Building Trades Sub-Contractors' Association has been organized in the surf city.

The purpose of the organization is to promote mutual co-operation and financial protection of its members as well as a general clearing house for information relative to contracts.

Thos. H. Dean of the painting firm of Beckman & Dean, was elected president of the association and Frank Carroll, secretary. E. H. Brock of the Santa Cruz Tile Company was elected treasurer.

ESTIMATING WIRING JOBS AN EASY MATTER

Architects and builders are always asking for approximate figures on proposed wiring jobs. These cause the contractor much worry. At a recent meeting of the Bakersfield Electricians one member submitted the following definition of an approximate method of approximately figuring approximate wiring jobs, which ought to be approximately as good as any:

"To arrive at an approximate cost of a wiring job take the area of the entire floor plan in square feet, multiply by the height of the ceiling, divide by the number of doors and windows, subtract the number of rooms, then add profit, if any. This will give you a dependable approximate figure."

CONTRACTORS FINANCIALLY UN- ABLE TO COMPLETE ROAD JOB

Coolidge and Scott, contractors on the highway between Paradise Hill and Orovada in Humboldt county, Nevada, have advised the Nevada State Highway Commission that they are financially unable to complete the project.

The contract was taken for \$46,000 by the contractors and \$15,505 has been paid to them in progress payments. It is estimated by the department that \$22,000 worth of work has been done.

The Fidelity and Deposit Company of Maryland, bondsmen of Coolidge & Scott to the extent of \$35,140, has advised the highway department that they will send an engineer to the project and will possibly take over the contract and finish it.

Work was started last September and was suspended early in January because of bad weather.

Robert A. Henry will operate in the San Francisco Bay District under the firm name of Pacific Coast Boiler Works.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Inadequate facilities for inspection of San Francisco building operations is complained of by John B. Leonard, superintendent of the Municipal Bureau of Building Inspection. Leonard declares that the force of inspectors employed by his bureau is insufficient. Scarcely more than a score of men are entrusted with the task of seeing that from 60 to 100 buildings, the number almost always under construction in the city, are being safely and properly built, he added.

Owners of all dams in the State of California, completed prior to August 14, 1929, are required to file application with the state engineer not later than February 14th for approval of these dams. This is pointed out by State Engineer Edward Hyatt. The law, passed by the last legislature, superseded all previous legislation relative to state supervision of dams. Many applications for approval have been received, Hyatt said, but it was indicated that many owners of dams do not know they are required to apply for approval of their dams before February 14th. The law applies to dams more than 15 feet in height or with a storage capacity of ten acre feet or more. Applications should be made to the state engineer, Division of Water Resources, Sacramento, Calif.

In a formal notice to the trade that it has acquired the properties of the Columbia Steel Corporation, U. S. Steel Products Company states that products will be sold under the name U. S. Steel Products Company - Columbia Department. Offices will be maintained in San Francisco, Los Angeles, Portland, Seattle, Salt Lake City and Phoenix. Operation of the warehouses will be continued at San Francisco, Los Angeles, Portland and Seattle. It is proposed to increase the facilities of the Columbia plants recently taken over and to further diversify their products, enabling a broadening of service in the Pacific Coast territory.

Amendment of the ordinance regulating contractors so there will be no requirement except that of a license, has been presented to the Portland, Oregon, city council by City Commissioners Barbur and Pier. The amendments will eliminate the bond of \$2500 required by the ordinance which aroused a storm of protest from the industry and make it possible for those bonds to be canceled. It also will do away with the classification of contractors, as agreed by the council at a hearing with the contractors who opposed the measure.

Although practically every large utility system in the country has announced construction programs for the present year considerably in excess of 1935, actual work undertaken during the first two weeks of the year was 50 per cent below last year's total for the corresponding two weeks, according to figures compiled by the "Engineering News-Record." It is believed that many of the larger companies are awaiting a more favorable turn to the bond market before initiating work on their construction programs.

California had more building and loan associations with assets exceeding \$10,000,000, at the opening of 1936 than any other state in the nation except Ohio, according to a report released recently by the California Building-Loan League. The largest association in the west and the third in the nation, Pacific States Savings & Loan Company, with resources as of January 11th, last, of \$57,498,715, has its head office in San Francisco. Of the eighty-nine building and loan associations of the nation in the ten million dollar class, ten are located in California. The assets of these associations, as of December 31st, last, were: Fidelity Savings & Loan, Los Angeles, \$33,410,831; Mutual of Long Beach, \$22,029,074; State Mutual of Los Angeles, \$16,838,504; California Mutual of San Jose, \$15,271,122; Guaranty of San Jose, \$14,743,854; Mutual of Pomona, \$14,316,008; San Jose Building & Loan, \$13,861,023; Guaranty of Los Angeles, \$11,076,738 and Southern California of Los Angeles, \$10,311,233. The "call report" for the calendar year 1935, which will be released soon, will reveal the largest percentage growth in resources for any state in the nation. A gain of more than \$30,000,000, in combined resources of the 240 California associations is predicted by the State League, bringing the total to about \$500,000,000.

Frank C. MacDonald, general president of the State Building Trades Council of California reports having secured an increase of one dollar per day for carpenters, pile drivers, engineers, truck drivers and other building trades workmen engaged on state work. In addition to securing the wage increase, MacDonald is said to have been successful in arranging to have union men employed on state work, "and that on state construction work let by contract, he has the assurance of state officials that they will use their good offices in inducing contractors to pay the established wage scale and give preferential consideration to union workmen in the district where the work is undertaken."

The advisability of modifying the State laws relating to building-loan associations and the cost of such a program are being studied by a committee recently appointed by the California Building-Loan League, consisting of Charles H. Tucker, Long Beach; C. H. Wade and Frank A. Wright, Los Angeles. The committee expects to confer with attorneys who are well versed on the provisions of the building-loan code, the State Code Commission and a committee of the State Bar Association. A report will probably be submitted to the executive committee of the league for consideration at an early date.

Representatives of the Chamber of Commerce, City Council and Municipal Water and Power Commission of Los Angeles, have announced a \$38,-800,000 bond issue to buy water right in Mono basin and divert its water to the Owens river will be submitted to the Los Angeles electorate in May.

Prohibition of the erection of new filling stations within 250 ft. of residence dwellings was held unconstitutional by the Supreme Court of North Carolina in a contest of such an ordinance passed by the city of Fayetteville. Evidence that 23 out of 25 existing filling stations were within the prescribed distance was introduced to show that the ordinance was an unreasonable use of the police powers of the city.

Real estate market activity for December is indicated by the figure 75.2, according to the index of real estate market activity compiled monthly by the National Association of Real Estate Boards. The index is based upon official reports of the total number of deeds recorded in 64 typical cities. Real estate activity for 1936 is taken as the base year in computing the monthly figure.

President W. W. Campbell of the University of California has been selected as one of the 22 distinguished American scientists to serve on the jury of award for the newly announced \$10,000 annual scientific prize offered by the Popular Science Monthly, according to report just received from Collins P. Bliss, director of Popular Science Institute. The prize will be awarded each year beginning with the fall of 1936, to the American whose work in science is deemed of greatest potential benefit to the world. The Popular Science Monthly is establishing the award for the purpose of recognizing the work of scientific leaders at a time when such recognition is most needed.

A detailed statement on interpretation of the street improvement acts of 1911 and 1925 to guide the Alameda city council in planning future street improvements will be compiled by City Attorney Edward J. Silver. Silver has been requested by the council to translate into easily understandable language the legal phrases in the two acts under which most of the present day street paving is done. The report will include a summary of court interpretations of the law.

Pasadena, Calif., now has a plastering ordinance in effect. Plastering contractors are not required to take out a city license, but a permit must be secured, and in order to get this the applicant must produce evidence to show that he has a State license. The charge for the permit is based on the following schedule: 1/2 cent per square yard of plaster or stucco up to 1000 yards, and 3/4 cent for each additional square yard. A regular system of inspection has been established to insure proper observance of the ordinance.

On February 10 the McCloud River Lumber Co. doubled its production with the inauguration of a night shift in the new mill at McCloud, Siskiyou county. Three one-way bank saws are being operated, these producing about 400,000 feet of lumber in the two shifts daily.

Freitas Plumbing & Heating Co. of Alameda County has been incorporated. Directors are J. J. Freitas of Oakland and L. Warner of Berkeley. The company is capitalized at \$50,000.

Fifteenth Annual Convention of the American Institute of Quantity Surveyors will be held in St. Louis, Mo. April 14 to 16 inclusive, it is announced by F. E. Dischner, secretary of the organization.

ALONG THE LINE

William A. Ough, 51, Sacramento contractor, died in that city February 5, after an illness of several years' duration. He was a native of Bay Point, Contra Costa County, and a resident of Sacramento for the past eight years.

H. W. Davies, assistant engineer and assistant secretary of the port of Seattle, has resigned to become manager and engineer of the port of Port Angeles, Wash. Mr. Davies was associated with the port of Seattle organization for sixteen years. He succeeds W. J. Murphy, who has gone to Aberdeen, Wash., on Grays Harbor, to become manager of that port.

C. C. Jarman, labor leader of Fresno, has been temporarily appointed city building inspector of Fresno, due to the death of James Anton, veteran city employee of Fresno. Jarman will serve until competitive civil service examinations are held and an applicant certified to the position by the civil service board. Jarman has been financial secretary of the Carpenters' Local at Fresno for nearly ten years and also was business manager of the local. He is a member of the Board of Control of the Tri-County Labor News and was a member of the city park commission during Al Sunderland's administration as mayor.

American Association of Engineers has sent a resolution to the city council of Los Angeles protesting the proposed plan to reduce the salary of the city engineer. The resolution states that if any change is made, the city engineer's salary should be increased.

Walter L. Frickstad has been named city engineer of Oakland, succeeding George N. Randle, resigned. Frickstad is a graduate of the University of California and since 1921 has been employed as an engineer by the United States Bureau of Public Roads. He was formerly assistant city engineer of Oakland, from 1907 to 1919. Frickstad is a World War veteran and has been active in the American Legion, being a past commander of Oakland Post.

GREAT WESTERN BUYS PARDEE PLANT POWER

Contracts have been entered into between the East Bay Municipal Utility District and the Great Western Power Company for the sale and delivery to the latter company of all power generated at the Pardee plant of the district on the Mokelumne River for a period of five years, beginning next July.

Under the terms of the contract the power company agrees to take up to 9,000,000 kilowatt hours monthly, paying an average of 4 mills per kilowatt hour for the first 6,900,000 and an average of slightly less than 3 mills for all power delivered in excess of that amount.

Engineers estimate that the district will receive a gross return of between \$350,000 and \$400,000 yearly from the sale of this power. Net, after operating expenses and allowance for depreciation, will be somewhat in excess of \$250,000 a year.

The contract will terminate in September, 1935.

TRADE NOTES

D. L. McHugh, secretary-treasurer of the Geiger Iron Works of Stockton, has been appointed general manager of that company, succeeding the late Joseph Geiger. McHugh has been associated with the Geiger Iron Works since 1916.

Pacific Clay Products of Los Angeles reports net profits after all charges and federal taxes for the year ended December 31, 1929, of \$399,864, or \$4.03 a share, on 99,157 shares of no par value capital stock outstanding against \$374,331, or \$3.78 a share, for 1928.

San Jose Hardware Co., whose quarters were recently destroyed by fire, has established temporary quarters at 180 South Market St., San Jose, pending the completion of their new building.

Guardian Manufacturing Co., 100 W Chicago Ave., Chicago, Ill., desire to communicate with agents calling on architects, contractors and owners to sell the Guardian door announcer. Complete details will be sent on request.

Holladay Housing & Heating Corp., of Los Angeles, has filed articles of incorporation with the secretary of state and contemplates the construction and operation of lumber mills in addition to hydro-electric power dams on the Columbia river in Oregon. The company is capitalized for \$5,000,000.

Sterling Pump Works of Stockton has placed a night shift in operation as a result of orders from Mexico and South America for more than five carloads of Sterling pumps, valued at more than \$160,000. It is announced by Ralph M. Bacheller, president of the company.

According to word from Salt Lake City, J. R. McWane of Birmingham, Ala., president of the Pacific Coast Cast Iron Pipe Co., has purchased the 50 per cent interest held in the concern by Columbia Steel Corp. Columbia disposed of this interest to McWane prior to the transfer and sale of its own assets and property to the United States Steel Corp.

NEW MATERIAL BOTH INSULATOR AND CONDUCTOR

Discovery of a new material named thyrte, which offers better protection from lightning, was recently announced to the American Institute of Electrical Engineers by Karl B. McEachern of the General Electric Company.

Thyrte is a compound, in appearance a cross between black slate and porcelain. Its name, of Greek derivation, means gate, and for electrical current it is almost literally a gate in more senses than one.

For the ordinary currents used in the industrial and household worlds, thyrte is a good insulator, a restrainer that keeps the current from jumping out of bounds, a closed gate. But when electricity becomes too ardent, thyrte "gives it the gate."

If a tremendous overcharge comes along the wire, such as a stroke of lightning, thyrte changes from insulator into a good conductor, offering a ready and harmless pathway for the escape of the overcharge.

HERE — THERE — EVERYWHERE

Sonoma County Building Trades Council has adopted a resolution favoring the five-day week. The resolution is effective immediately. Crafts affected by the resolution will work only on Saturdays under extreme emergencies, according to A. G. Hinshaw of Petaluma, president of the council.

Three unions in Syracuse, N. Y., have signed agreements with contractors calling for the 40-hour week plan, effective January 1, 1931. The unions which will adopt the five-day working week are the carpenters, plasterers, and painters and decorators. The 1929 agreement between the carpenters and the contractors is effective during 1930, the scale being \$1.30 per hour for a 44-hour week. The new agreement, effective January 1, 1931, calls for a 40-hour week at an hourly wage of \$1.32. The plasterers' agreement with contractors in 1931 also calls for an increased wage scale to offset the half-day loss.

Porterville, Cal., city council is considering the adoption of a plumbing code as recommended by the State Association of Master Plumbers. A uniform building code is also slated for adoption.

Hillsborough, San Mateo County, town trustees are considering the adoption of an ordinance regulating electrical wiring in connection with heating units.

Sacramento Builders' Exchange and Sacramento Building Trades Council will hold a joint meeting next Monday night at the Labor Temple in the capital city, at which the proposition of introducing the five-day week in that city will be discussed.

Warm Air Heating and Ventilating Association of Portland, Ore., has been organized with M. B. Levin as president; W. I. Spencer, vice-president and Sam Ackley, secretary-treasurer. The primary purpose of the new organization is avowedly to educate the public along the lines of proper and scientific heating installation and to give a maximum amount of service.

Los Angeles Chapter, American Society for Steel Treating, will give a course in practical metallurgy of iron and steel, beginning February 17, it is announced by James H. Spade, president of the Chapter. Three hundred members are enrolled in the Chapter.

An individual giving his name as H. Griebel, operated in Walla Walla, Wash., soliciting memberships in the Associated General Contractors of America, claiming he was working on behalf of that organization. Officers of the Pacific Northwest Chapters of A. G. C. declare the man is a fake, as his method of securing members is not in use by another of the branches of the A. G. C.

MERGER DENIED

Claude Neon Electrical Products of Washington will not merge with the Delaware corporation of similar name. Paul House, president of the eastern company, is quoted as saying reports of such action were premature by at least six months.

TRADE LITERATURE

A recent publication of the Westinghouse Electric & Manufacturing Company is Arc Welding Data Number 11 on The Arc Welding of Cast Iron. This bulletin points out some of the properties of cast iron and gives a recommended procedure to be followed in arc welding. There are several illustrations which show the characteristics of cast iron which influence its weldability, the characteristics of cast iron welded by both the carbon and the metallic arc processes, the general procedure recommended for doing metallic arc welding on cast iron parts, and several interesting views of cast iron machinery parts which have been repaired by arc welding. Since the economy behind the application of arc welding to the repair or reclamation of cast iron machinery or parts is widely recognized, the welding data presented in his publication is of particular interest to users of such equipment.

THE BRICK INDUSTRY

The current monthly bulletin of the Common Brick Manufacturers' Association, reporting information as of January 2, says:

"The movement of building materials is of the lowest volume that it has been in several years. Brick shares its part of this grief. Both in the amount of brick shipped during the past thirty days and in the orders for brick on the books, there is a decline from the records of one month ago, and twelve months ago.

"There is little surprise in the industry at this condition. It was expected that the stock market crash, while the first step, perhaps, toward a better condition in the brick industry, would not immediately react favorably. The downward trend has continued rather sharply through November and December and is likely to continue with an equally sharp downward slant for the first two or three months of this year.

"Major construction starts in the offices of the architects and engineers. All reports on this phase are favorable. It is indicated that a large volume of work, probably equaling that of 1929 is contemplated. Much of the work is in actual progress on the draftsmen's boards. Just when the pick-up will come, no one in the brick industry has been able to determine. Producers are going through the slack period with patience and the rather firm hope that 1930 will end fortunately for them. A large number of plants are closed down, some for seasonal reasons and others because their kiln sheds are full of burned brick awaiting orders.

"There is very little price fluctuation, due undoubtedly to the fact that the price is already seriously depressed by the slack demand of the last half of the year past."

FOX RE-FINANCING PROPOSED

Samuel Untermyer, of New York, attorney for the Fox interests, announced at resumption of the Fox receivership hearing in the federal court Feb. 11, that a reorganization of the Fox Film Corporation, involving the issue of \$65,000,000 in new securities, was being worked out by interested parties. The hearing is on an order to show cause why a receiver should not be appointed for the corporation.

BUILDING PERMIT LISTINGS
FOR JANUARY IN P. C. CITIES

Following is a compilation of building statistics covering the Pacific Coast States for the month of January, 1930, and for comparison with those of January, 1929, as compiled by the S. W. Straus Company:

CALIFORNIA

City	No.	January 1930 Cost	January 1929
Alameda	42	\$ 24,795	\$ 240,650
Alhambra	60	170,120	181,350
Anaheim		120,870	15,940
Bakersfield	78	122,070	107,325
Berkeley	107	434,054	135,693
Beverly Hills	67	603,900	687,250
Burbank	20	58,170	90,845
Burlingame	11	79,750	162,325
Carmel	8	56,925	36,160
Chula Vista	12	7,255	30,230
Colton	7	14,650	6,200
Compton	23	48,925	90,795
Coronado	12	21,060	10,438
Culver City	15	34,460	84,450
Emeryville	5	20,950	98,225
Eureka	38	115,555	50,985
Fresno	125	171,142	138,814
Fullerton	24	38,550	48,760
Glendale	87	277,055	558,993
Hayward	7	7,250	9,250
Huntington Park	48	98,764	158,065
Inglewood	19	46,000	35,900
Long Beach	355	715,425	1,410,480
Los Angeles	2,091	9,115,846	7,514,868
Los Gatos	5	7,783	5,300
Lynwood	17	31,350	61,680
Modesto	23	29,125	24,760
Monrovia	17	19,770	59,230
Montebello	8	10,960	31,515
Monterey	21	24,900	35,330
National City	9	3,835	16,570
Oakland	263	456,392	1,068,814
Oceanside	7	8,600	66,425
Ontario	28	20,800	47,855
Orange	5	2,800	85,750
Pacific Grove	14	12,000	15,732
Palo Alto	34	83,310	101,613
Palo Verde Estates	2	42,000	38,000
Pasadena	252	237,008	576,695
Petaluma	3	3,550	33,500
Piedmont	6	45,617	116,455
Pomona	68	51,104	99,750
Redlands	14	160,042	86,939
Redwood City	29	76,090	87,018
Richmond	31	35,200	54,785
Riverside	45	62,360	194,665
Sacramento	115	411,527	513,391
Salinas	39	77,415	73,073
San Bernardino	73	84,060	368,725
San Diego	290	368,655	1,227,929
San Francisco	610	1,431,983	2,778,323
San Gabriel	8	15,850	29,110
San Jose	70	207,525	132,795
San Leandro	12	33,000	37,000
San Marino	9	104,432	274,344
San Mateo	27	100,770	75,300
San Rafael	12	20,400	9,545
Santa Ana	55	61,579	154,174
Santa Barbara	13	120,150	166,881
Santa Cruz	18	32,875	359,188
Santa Monica	56	115,670	253,725
Santa Rosa	20	10,570	33,135
South Gate	35	59,490	506,778
South Pasadena		6,025	25,575
Stockton	46	66,017	114,625
Torrance	18	21,950	47,200
Ventura	19	36,975	232,900
Vernon		59,800	87,455
Watsonville	20	69,470	32,725

ARIZONA

Phoenix	82	\$ 166,843	\$ 312,455
Tucson	90	130,103	188,277

IDAHO

Boise	23	\$ 19,282	\$ 7,660
Idaho Falls	2	900	700
Lewiston	13	8,450	47,220
Nampa	7	14,740	5,850

NEVADA

Reno	16	\$ 24,550	\$ 50,600
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OREGON			
Albany	3	\$ 3,400	\$ 4,310
Astoria	2	150	4,350
Corvallis	1	5,000	5,700
Eugene	22	22,484	18,515
Klamath Falls	30	78,710	86,310
La Grande	2	9,950	5,500
Marshfield			13,050
Medford	13	13,925	33,335
Portland	275	666,570	2,483,320
Salem	23	30,732	22,975
UTAH			
Logan	1	\$ 3,600	
Ogden	4	32,500	7,500
Provo	1	1,000	13,000
Salt Lake City	51	110,549	162,750
WASHINGTON			
Aberdeen	27	\$ 101,750	\$ 32,140
Anacortes	5	1,225	1,950
Bellingham	25	13,865	402,255
Everett	38	192,695	87,630
Hoquiam	17	10,705	39,430
Longview	4	45,150	15,255
Port Angeles	18	61,600	3,200
Seattle	386	5,249,425	3,085,310
Spokane	83	30,731	39,463
Tacoma	149	170,925	340,735
Vancouver	7	5,405	45,910
Walla Walla	7	24,375	2,155
Wenatchee	6	4,725	93,350
Yakima	13	20,315	5,550

400,000 NEW HOMES ANNUALLY IS U. S. NEED FOR PROPER HOUSING

Need of 400,000 new homes annually to properly house all the people of the United States is emphasized by Edward Eyre Hunt, secretary of the President's Conference on Unemployment, in "An Audit of America" his interpretive summary of the report and survey on economic conditions which was issued last Spring by the Committee on Recent Economic Changes. Mr. Hunt views the survey as a "description of the levels on which the American people live."

Mr. Hunt's discussion of housing needs is contained in a chapter summarizing the finding of Dr. John M. Gries dealing with the whole subject of construction which he refers to as the "Balance wheel of industry."

Mr. Hunt points out in his "An Audit of America," that though construction in recent years has reached an annual value of \$7,000,000,000, that sum is conservative in relation to the national income and savings when compared with the pre-war figures.

Increased Population

"The annual increase in population," writes Mr. Hunt, "has become much more nearly stabilized, and we are as a people now require an annual addition of 400,000 homes as well as other structures. The net loss of the farm population to cities and towns has resulted in an unusual demand for urban dwellings; the growth in per capita income and savings has had its effect, as well as the obsolescence of existing structures; and the supply of investment funds has greatly increased and until 1929 there was a generally lower trend of interest rates. Steady progress has also been made toward systematizing the nation's building program and toward a national pooling of part of the funds."

Analyzing the building problem that arose during the post-war era, Mr. Hunt asserts that general business conditions have exerted a marked influence on the amount of new building undertaken. This fell off strikingly in 1924 and again in 1927. Mr. Hunt notes that the abundant credits available for construction have not resulted in an inflationary building boom frequently the precursor to depression. Only once, he observes, in the Spring of 1923, new construction

was being projected so rapidly that wholesale prices of building materials began to mount. Mr. Hunt recalls that in March of that year Mr. Hoover, then Secretary of Commerce, in reply to the President, wrote suggesting that Federal building be deferred for a time.

Mr. Hunt also points out that in April 1923 the report of the Committee on Business Cycles and Unemployment of the President's Conference on Unemployment advised the deferment of public works and the construction work of large public service corporations to less active periods, and the problem was then widely discussed. The building problem was safely adjusted to the capacity of the industry, and building costs have never been so high, Mr. Hunt remarks.

More Planning

In the case of residential and commercial buildings, Mr. Hunt asserts, there is much more planning of a basic sort than before the war. City planning and zoning, has advanced, and he sees the development of the national "Federal Aid" highway system and the interconnection of electric power systems as further evidences of construction broadly planned.

Other new trends in the field of construction mentioned by Mr. Hunt are the great savings effected through careful analysis of strains and stresses, the wider use of specifications and better inspection, in increased use of non-corrosive materials, the greater utilization of labor-saving machinery and a more general rental of construction machinery and equipment which has tended to reduce overhead carrying costs and transportation charges.

"The total construction of industrial buildings," writes Mr. Hunt, "is still liable to considerable fluctuations, but since 1922 there have been no such wide swings as during the three preceding years. More general reliance upon electric power received from central stations makes for stability in the construction of generating facilities."

"Building structures represent on the whole a decreasing proportion of the total investments in industrial plants, with a growing proportion in

machinery and equipment. Improvements in manufacturing processes have frequently diminished the amount of space required, and dependable railway transportation has reduced the amount of space needed for the storage of raw materials.

"Less time is required for construction without excessive payment for speed. One case is reported of a firm of engineers who built a plant of 20 stories in 280 calendar days. Most of the structures were four stories high, of reinforced concrete, and the total cost about \$7,500,000.

Mr. Hunt comments on the post-war construction program of public works and utilities as not only notable for their magnitude but for the marked developments which they have shown in planning, financing and technique. "Instead of a spectacular reaching out into undeveloped territories, such as characterized the decades of railway building during the latter part of the nineteenth century," he continues, "these have been devoted to filling in and extending facilities for transport and communication within areas already inhabited and beyond the pioneering stage. From the point of view of business stability this charge in the character of construction is important because it is planned in order to meet needs which exist or can be readily predicted, rather than needs which must be guessed at."

Road Building

Regarding road building, Mr. Hunt states:

"Not long before the war we were generally considered backward with respect to improved highways. The development of one of the finest systems of improved roads in the world has been effected mainly since the war. More than \$1,000,000,000 annually is now spent for the construction and maintenance of rural roads, and \$400,000,000 or more is spent by cities for street improvement and maintenance. The Federal Bureau of Public Works in co-operation with State authorities has worked out a well co-ordinated network of 185,772 miles of principal roads, about one-third of which has been improved. There remains much room for better planning of highways improvements, especially in the way of cooperation between the authorities in adjoining counties and between those of cities and those of neighboring rural territory."

The survey on which the report of the Committee on Recent Economic Changes is based was conducted under the auspices of the National Bureau of Economic Research. The survey covers a wide range of economic activity pertaining particularly to the period from 1922 to 1929. Mr. Hunt has written "An Audit of America" from the standpoint of the present economic situation.

TIE VOTE KEEPS BUILDING BRICK OFF FREE LIST

The Senate on Feb. 10 declined by a tie vote to return building brick to the free list during a session on the tariff bill.

The vote on brick, the most important of the day, came on a proposal of Senator Barkley, Democrat, Kentucky, to eliminate the proposed tariff of \$1.25 per 1000 on plain and \$1.50 on glazed brick. A tie, 36 to 36, resulted and the amendment was rejected.

Unemployment conditions were brought to the fore when Senator Copeland, Democrat, New York, arguing for protection for the brick industry, asserted more workers would be thrown out of employment in the Hudson river district if a tariff were denied the brick producers.

CONDITIONS INDICATE RESUMPTION OF NORMAL ACTIVITY IN BUILDING

By Nicholas Roberts, Pres
Conditions involving the building and construction industry are, at the opening of 1930, strongly indicative of a resumption of normal activity. Demand for housing and floor space exists sufficient to justify rather optimistic expectations. Other factors point toward the coming year as a period beginning an upswing in this industry, strong enough to have a marked effect on general business conditions and national prosperity.

An enlarged program in the building industry would go far in the psychology of sustaining confidence. It would absorb much of the industrial slack and distribute enormous sums of money through its wide spread ramifications. Its influence is felt throughout the country and directly or indirectly touches every phase of society. It is a basic industry, one of the fundamental indices by which one may appraise existing or prospective national business. What, then, may we expect during 1930 from this industry?

Decline Cited

We have seen a steady decline of building activity during the past four years. This downward trend is still in progress and will continue into the new year for several months, perhaps into the early summer. But this apparently distressing feature is in reality an assurance of a generous measure of forthcoming prosperity in construction. What really has been going on since the end of 1925 has been the creation of a basis for a great new era of building activity to begin, in my opinion, in 1930.

Let us look back a few years to realize the significance of the situation of today. Following the post-war housing shortage, we had in 1922, 1924 and 1925, an era of unprecedented building. Those were the days of the so-called "building boom." The peak was reached in 1925 and since then there has been a steady decline. The year 1926 ended with a falling off of about 5% from the previous year's activities. In 1927 the volume declined 9% more while in 1928 the loss was 3%. These declines are based on the delicate index of building permits issued in the rank and file of cities and towns in every section of the United States. They apply to buildings only and do not include engineering contracts. From data now available, it is apparent that 1929 will show a falling off of 10% or perhaps a little more. For the last half of the year the loss has been 20%.

Stock Market Speculation

For three or four years prior to 1925 a very heavy building program was in progress throughout the country. During 1926 and 1927 the industry was in a natural state of reaction. With the gradual passing of this phase of the situation came the era of intense stock market speculation by the public. Funds were diverted into channels of investment other than building. Money rates increased. It became harder and harder for the small builder to obtain mortgage money. Many individuals were placing their savings and earnings in the stock market where otherwise they would have used these funds in home building. Speculative building was practically at a stand-still.

The beginning of easier money conditions early in the fall of 1929 had no opportunity to exert a stimulating effect on building. The stock market crash came before such a natural development could eventuate. What the impact of the Wall Street debacle meant in terms of deferred projects was told in the story of November

building permits which for that month, throughout the country as a whole, suffered a loss of 29% compared with November 1928 and in New York City reached the lowest point since 1921.

One must anticipate that this effect in modified form must carry through a considerable part of the winter. The losses which have been sustained by individuals, the depletion of loanable funds by savings banks and building and loan associations, the slowing

down of the business machine of the country, the withdrawal of savings from banks for the protection of margin accounts and kindred purposes, are among the factors that will continue for some little time to disarrange the plans of private building. Meanwhile, however, there are tremendous powerful forces at work which, barring unforeseen events, can not fail to bring about a complete reversal of form.

We may comfort ourselves in the belief that an area of building prosperity comparable perhaps to any we have ever seen is awaiting us somewhere just around the corner. The four year break spell in the building industry has exerted a sound and impressive readjustment. Not in years has the general building situation throughout the country been on as sound a foundation from the standpoint of supply and demand as now exists. Cities which four or five years ago were overbuilt have, by reason of this letup, reached a normal situation with vacancies absorbed and improved real estate on a substantial basis.

From now on in those places building should proceed normally in keeping with population growth, expanding industry and improved standards of living by the public. Recent surveys have shown that there is a present need for accelerated building in a large group of cities and towns. There are, of course, some cities where a surplus still exists and it will take further time for these to be absorbed.

In building we are dealing with a fundamental. No element of life is more necessary than shelter and although some superficial cause may arrest progress, as has been the case in the last two years, the inexorable law of supply and demand will eventually exert its corrective influence.

Easy Money

The industry has other great factors of strength—one is easy money. It has invariably been the case that the beginning of an area of cheap money has been followed after a brief interval with a great upswing in construction and it is probable that history in this respect will repeat itself. Funds which have been tied up in speculation have been released for other purposes and the building logically will claim an adequate portion of this money. The mortgage market will take on new life, while a corresponding improvement will ensue in the bond market. Thus, in a word, there will be ample capital available at reasonable rates to finance the country's building requirements.

The business interests of the country are making united effort toward maintenance of prosperity and this influence will soon be felt. The business genius of this powerful nation is bending its efforts to prevent any appreciable slump. Both corporate and individual operations will be pushed ahead with all possible speed. It would not be good judgment nor would it serve a useful purpose to put forward any building project unless conditions should warrant such an undertaking from a practical standpoint but throughout the country there are millions of

dollars in building projects than can to good purpose be pushed along at this time. Hence through these efforts there will be a goodly amount of construction added to the normal volume.

In attempting thus to analyze the present status of this great industry we find an anomaly. The depression which now seems distressing is but strengthening the foundations on which a new era of normal activity seems destined soon to rise. Such forces as are exerting a retarding effect on building and construction are transitory. They are the aftermath of a speculative era that has passed into history. The energizing influences will far outlast the others. They belong to an era that lies immediately ahead of us. The turning point cannot long be deferred and with it will come a great period of building prosperity which should be of sufficient magnitude to make itself felt in every phase of American business.

NEW STANDARDIZED DRIVE FOR ELEVATORS ANNOUNCED

A new standardized drive for elevators has just been announced by H. W. Caldwell & Son Company of Chicago. This drive is compact, efficient and positively quiet at all speeds. It is built to operate on centrifugal discharge, perfect discharge or continuous bucket elevators requiring 3 to 15 horsepower. The entire line is standardized and carried in stock.

The first reduction of the drive is made up of a ruggedly built fully enclosed worm gear speed reducer to which a motor is coupled. The motor and the worm reducer are accurately aligned on a welded steel base, making a compact assembly easily supported on the elevator casing or platform.

The second reduction in speed is made by a Link-Belt roller chain drive, which was selected because it furnishes a maximum of strength, durability, efficiency and quietness of operation, combined with a minimum of weight and of space required. It also acts as a flexible connection between the reducer shaft and head shaft.

A new book, No. 1086, just published, is devoted to the construction of the unit and illustrates installations. This book will be sent upon request.

EXCLUDING APARTMENT HOUSE UNDER ZONING LAW UPHELD

The application of a zoning ordinance of Toledo, Ohio, to exclude a three-story apartment house in a district reserved for churches, schools and private residences has been held by the Circuit Court of Appeals for the Sixth Circuit not an arbitrary or unreasonable restriction or a violation of the State or Federal constitutions.

In its opinion the court explains that the applicant filed a bill to restrain the enforcement of the ordinance, was the owner of property in a residential district, and applied for a permit to construct a three-story apartment building containing apartments for 18 families of four and five rooms each. The permits were refused in accordance with the ordinance and the bill was then brought.

"In passing upon ordinances of this kind," the court declared, "the courts have been unwilling to substitute their judgment for that of the legislative body charged with the duty of determining the necessity and character of the regulations; but it has been understood, of course, that a city may not act arbitrarily and unreasonably, and that the ordinance may be valid in its general aspects and at the same time be 'clearly arbitrary and unreasonable' to a particular state of facts."

SEARS-ROEBUCK TO MARKET HOMES ON PART-PAYMENT PLAN

A new and ambitious plan for building homes on part-payments has just been put to work by Sears, Roebuck & Company. Construction will be handled by 48 offices of the new building division in strategic cities located along the Atlantic Seaboard and in the Middle West.

"For many years this concern has been active in home-building but the new plan increases the percentage loaned and extends the time for payment," says The Business Week, commenting upon the new service. "Formerly 60% of the cost was carried by the company; the loan had to be wiped out in 5 years. Now Sears, Roebuck & Company puts in up to \$3 for every \$1 by the home builder. Payments, which start 4 months after the transaction is begun, can be extended over 15 years. As security for the 75% loan the company takes a mortgage on the house.

"The home-builder pays 6% for the money advanced plus a definite amount for retiring the loan. Total required per month is \$8.56 per \$1000. No special financing company has been created to take care of this paper. The company which did a \$40,000,000 business last year feels competent to carry the burden without strain. Experience shows that people are interested to pay off debts on their homes.

"Sears, Roebuck will be in friendly and constant touch with these customers for 15 years (if they take the limit of time). New homes are the greatest possible stimulant to buying. Here the company has a tremendous potential market for the 35,000 articles so enticingly listed in its famous catalogue.

"Before this new service was inaugurated the company had nothing to do with the labor used in putting up houses from materials it sold. Now it will not only sell the materials but will supervise through experts the entire construction. This will be done by hiring the labor or through contractors, according to local conditions.

"Sears, Roebuck does not sell sectional buildings (except garages). What it sells is standardized joists, studding, windows, doors, etc. These are made into houses on the owner's lot. Parts are cut by the thousand in plants with power machines. In addition to the saving in labor, there is an 18% economy in lumber. Total savings claimed in 200 houses built experimentally under the new plan run from 10% to 23%.

"The company has 100 designs from which one may select a home without having to pay for the plans. Builders may have their own plans prepared and may depart from the standardized parts but the cost is higher."

REINFORCED CONCRETE CONSTRUCTION

(By Chas. M. Gunn of Gunn, Carle and Co., San Francisco)

The following article by Mr. Gunn was prepared at the request of the California State Chamber of Commerce in an attempt to round-up all phases in the development of the Iron and Steel Industry in California. Additional articles from leaders in other fields of the industry will be published in these columns from time to time.—EDITOR.

"It is said by archeologists that in making searches in Rome, it was discovered that the Romans used iron reinforcing in a bridge over the Tiber as far back as 920 B. C.; but from all that we can learn historically, it would appear that this method of construction remained a lost art until about the end of the 19th or beginning of the 20th century.

Mr. Harvey Wiley Corbett, one of the leading architects of New York and London, who is Chairman of the Architectural Commission of the World's Fair to be held in Chicago in 1933, said when addressing the Autumn Convention of the Concrete Reinforcing Steel Institute, "Your whole industry when you come to think of it is hardly thirty years old."

On the Pacific Coast, while there were some buildings built of reinforced concrete, they were comparatively few and rather small until after the great disaster in San Francisco in 1906. In the rebuilding of the city this type of construction began to find favor and the type and sizes of the buildings increased until today it is a regular method of construction for 150 feet high, say 12 or 13 stories, in many cities on the Pacific Coast, and in the East it is not uncommon for buildings to be built of reinforced concrete construction to a height of ap-

proximately 300 feet or say 26 stories.

Being a comparatively new type of construction it was necessary that rules of design be developed. In this our structural engineers made tremendous progress so that we now have established rules and standards for columns, beams, floors and walls and (Continued on Page 2)

practically every type of construction, each having its definite ratio of steel to concrete, its proper placing of bars to take the strain of "live," or moving loads, to withstand the pressure of the wind which tall buildings are subjected to, and also designed with that combination of rigidity and flexibility necessary to absorb the shock of earthquakes.

The combined studies of the designing engineers and the Selenological Society have been so thorough that the fire underwriters have recognized the merits of reinforced concrete construction for Pacific Coast conditions, by a downward revision in rates.

Great strides have also been made in the methods of production of the reinforcing material itself. In the early beginnings of concrete reinforcement the material used was a hard grade steel bar made by the heating and rerolling of old railroad rail. After rolling, this was twisted so as to hold well in the concrete.

The next step in production was the melting of the old rails in the open hearth furnace, the rolling of new steel billets into square and round bars, the former being twisted as in the rail practice.

Today, while the steel is still made by the open hearth process, the rolls are made with depressions in them so that the bar which results from the rolling has on its surface many de-

formities or corrugations for the purpose of holding in the concrete, but eliminating the operation of twisting.

With the progress of the art the use of reinforcing steel has not been confined to buildings. The uses have become so numerous that space prohibits listing more than a few items. However, it might be worth while to mention that most of our attractive highway bridges are of this type of construction. The great dams and power houses in the mountains of the West are largely of reinforced concrete construction. Pipe lines, sewers, outfalls, culverts, retaining walls, cement and grain elevator bins, the farmer's silos, and even his fence posts, are made of reinforced concrete. For the highway, too, where the road traverses marshy ground, the road bed is almost universally reinforced with steel.

It was the practice in the early stages of the game for the mill to furnish the contractor with a number of bars of different sizes which were laboriously cut to length and bent on the job, and put in place by the contractor, but as in every other industry marked improvements have been made in these methods, and now the bars are cut to length at the warehouse, they are bent to shape on machines and delivered to the building each piece ready for its proper place as shown by the engineer's drawings. This has brought about a rapidity of construction greater than any other method.

Probably no industry make its progress without having its trials and tribulations. In this Pacific Coast industry the most disturbing factor has been the dumping of foreign steel into our market of a quality and at prices lower than American methods and labor costs will permit, yet in justice it should be said that most of our builders are good Americans and Californians and generally prefer to purchase the product of our own mills which go to support the payrolls of our State.

While the engineers have developed the standard practice for the scientifically correct placing of steel in concrete, the manufacturers and dealers have at the same time been developing standards of quality and size. In conformity with the policy of economy of the Department of Commerce, Division of Simplified Practice, and also with the co-operation of the Concrete Reinforcing Steel Institute, the number of sizes carried in stock will shortly be reduced from 23 to 11, and the number of grades of steel reduced from 3 to 1. This will mean economy to all concerned and greater rapidity of service.

Most of these accomplishments concerning the development of the uses of reinforced concrete as well as the adoption of standards have been nurtured by the activities of the California State Chamber of Commerce and their annual conference of the Iron, Steel and Allied Industries has been a clearing house of great value to the steel industry of the state. That still further improvements in the art will be developed at the Del Monte Conference this month goes without saying.

During the month of January, 1930, the Los Angeles city building department issued 2091 permits with an estimated valuation of \$9,115,846, as compared with 2559 permits with an estimated valuation of \$7,514,868 for the same month last year. During December, 1929, the department issued 2201 permits with an estimated valuation of \$3,992,450.

Building News Section

APARTMENTS

Structural Steel Contract Awarded.
APARTMENTS Cost, \$525,000
OAKLAND, Alameda Co., Cal. Jackson St. back of Women's City Club.

Fourteen-story Class A reinforced concrete apartment building (145 apts.; 8-room bungalow on roof, and 60-car garage in basement).
Owner—Mr. and Mrs. Henry G. Hill, 1428 Alice St., Oakland.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Chas. S. Mabrey, 730 1st National Bank Bldg., Oakland.

Structural Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.

As previously reported, rough and finish, general, ornamental iron and glazing awarded to R. W. Littlefield, 337 17th St., Oakland; tile, marble and roofing to Malott & Peterson, 3221 20th St., S. F.; plastering to Wm. and A. Gilmour, 366 Mission St., S. F.; painting to Raphael Co., 270 Tehama St., S. F.; electric wiring to Matson-Seabrooke Co., 4115 Broadway, Oakland; heating, plumbing and sheet metal to George Schuster, 4712 Grove St., Oakland.

Site is 85x130 feet. Plans call for ten rooms, dining room and lounge on the ground floor.

Plans Being Revised.
APARTMENTS Cost, \$—
VALLEJO, Solano Co., Cal. 304-306 Sacramento St.

Three-story 72-room frame and stucco Mission type apartments (all modern conveniences).
Owners—Mr. and Mrs. D. G. Corbin, 114 Caroline St., Vallejo.

Architect—Chas. E. Perry, 1880 Fulton St., San Francisco.

Present building on site to be razed. Bids will be called for shortly.

Segregated Figures Being Taken.
APARTMENTS Cost, \$50,000
SAN LEANDRO, Alameda Co., Cal. Euclid Ave.

Three-story and basement frame and stucco apt. (21 2 and 3-room apts.)
Owner—Gordon Herr, Sr.
Architect—J. V. D. Linden, architect, and Gordon Herr, Plaza Bldg., Oakland.

Contract Awarded.
APARTMENTS Cost, \$30,000
CARMEL, Monterey Co., Cal.
One and one-half-story frame and stucco apartments.
Owner—Sun Dial Court, Inc.
Architect—Farr & Ward, 68 Post St.
Contractor—M. J. Murphy, Carmel.

Plans Being Prepared.
APARTMENTS Cost, \$50,000
SAN FRANCISCO. NW Anza and Arguello Blvd.

Three-story and basement frame and stucco apts. (15 3- and 4-room apts.; all modern conveniences).
Owner—Martin P. Storheim, 100 Parker Ave.

Architect—Irvine & Ebbets, Call Bldg.

Sub-bids will be taken in 2 weeks.

Sub bids being taken.
APARTMENTS Cost, \$65,000
OAKLAND, Alameda Co., Calif., E. 16th St. and 27th Ave.

Three-story frame and stucco apartments with concrete basement (24 2- and 3-room apts.)

Owner and Builder—Paul A. Haller, Hearst & California Sts., Berkeley.

Architect—Ernest Flores, 1601 Franklin St., Oakland.

Contract Awarded.
APARTMENTS Cost, \$23,500
SAN FRANCISCO. NE Chestnut and Jones Sts.

Three-story and basement frame and stucco apts. (8 apts.)

Owner—A. La Rocca, 2350 Jones St.
Architect—L. Mastropasqua 508 Washington St.

Contractor—De Lucca & Son, 666 Mission St.

Planned.
APARTMENTS Cost, \$—
CONCORD, Contra Costa Co., Calif.

East St. and Almond Ave.

Two-story frame and stucco apartments (3 3-room apts.; 132x26-ft.)

Owner—E. B. Anderson, Pittsburg.

Architect—None.

To Be Done By Day's Work.
APARTMENTS Cost, \$12,000
SAN FRANCISCO. S Ocean Ave. E

Julius St.

One-story and basement frame and stucco apartments and stores.

Owner and Builder—A. Ware, 893 Union St., San Francisco.

Architect—None.

Electrical and Plastering Bids Wanted
APARTMENTS Cost, \$40,000
ANTIOCH, Contra Costa Co., Cal.

Seventh and H Sts.

Two-story and basement frame and stucco apartments (2 5-room, 5

4-room and 2 2-room apts.; Spanish type).

Owner—Capt. and Mrs. George Irvine, Oakland.

Architect—Hugh White, Syndicato Bldg., Oakland.

Contractor—F. W. Peters, 168 Ridge-way, Oakland.

Contract Awarded.
APARTMENTS Cost each \$55,000
BERKELEY, Alameda Co., Cal. 2514-

2516 Piedmont Ave.

Two 3-story and basement 53-room frame and stucco apartments.

Owner—Geo. Auer, 5243 College Ave., Oakland.

A Demonstration of the SKILSAW PORTABLE ELECTRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric Tools.

1222 Mission St.
San Francisco

Underhill
1267

Architect—Ernest Flores, 1803 Franklin St., Oakland.
Contractor—K. J. Henning, 540 Alcatraz Ave., Oakland.

Contract Awarded.
APARTMENTS Cost, \$16,000
SAN FRANCISCO. E Howard St. 19th Streets.

Two-story and basement frame and stucco (3) apts.

Owner—R. E. Sattui, 2465 Howard St.
Plans by C. M. Baker, 155 Montgomery Street.

Contractor—A. De Benedetti, 22 Cotta Street.

Completing Plans.
APARTMENTS Cost, \$225,000
LOS ANGELES, Cal. Mantel St. near

Third Street.

Five-story and basement Class A reinforced concrete apartments (66x

110 feet).

Owner—Withheld.
Architect—Arthur T. Hesse, California Reserve Bldg., Los Angeles.

Plans Being Prepared.
APARTMENTS Cost, \$175,000
SAN FRANCISCO. NE corner Buena

Visita Ave. and Waller St.

Six-story class C basement and sub-basement apartment building (36

2- and 3-room apts. and one 10-room apt.)

Owner—Suncal Investment Co.
Architect—Albert H. Larsen, 447 Sutter Street.

Plans will be ready for bids about March 1st.

Sketches Prepared.
APARTMENTS Cost, \$800,000
HOLLYWOOD, Los Angeles Co., Cal.

Hillcrest Rd., Plinehurst Rd. and Bonita Terrace.

Twelve-story Class A steel frame and reinforced concrete apartments.

Owner—Carrie Jacobs Bond (Walter Gordon Clark, Insurance Exchange Bldg., Los Angeles, Promoter).

Architect—Arthur E. Harvey, Wishire Professional Bldg., Los Angeles.

Preparing Working Drawings.
APARTMENTS Cost, \$100,000
LOS ANGELES, Cal. Loma Drive

near Sixth St.

Four-story Class C reinforced concrete & brick apartments (60x120

feet).

Owner—W. D. Walker.
Engineer—W. E. Chadwick, 321 Union League Bldg., Los Angeles.

Plumbing and Heating Contract Awarded.

APARTMENTS Cost, \$200,000
SAN FRANCISCO. SE O'Farrell and

Franklin Streets.

Six-story steel frame and reinforced concrete Class C apartment building (42 2 and 3-room apts.)

Owner and Builder—C. S. Hoffman, 1541 Howard St., San Francisco.

Plumbing and Heating—J. Gibbs & Sons, 1706 Geary St., San Francisco, at \$15,000.

Sub-bids are wanted on lumber and mill work.

As previously reported, structural steel awarded to Golden Gate Iron Works, 1541 Howard St., S. F.; grading to G. Bianchini, 750 Silver Ave., S. F.

Contract Awarded.
APARTMENTS Cost, \$250,000
TACOMA, Wash. North Tenth St. and Yakima Ave.
 Six-story and basement and sub-basement steel frame and brick apartments, 88x126 feet.
 Owner—J. B. Lave and Dukes Tennessee.
 Architect—A. W. Bullard, Provident Bldg., Tacoma.
 Contractor—Chas. Udall & Co., Tacoma.
 Exterior will have buff brick walls, trimmed with terra cotta. Will contain 55 apartments, 21 4-room; 18 3-room and 16 2-room.

Plans Being Figured—Bids Close Feb. 21st, 3 P. M.
APARTMENTS Cost, \$16,000
SAN JOSE, Santa Clara Co., Cal. 1st and Oak Sts.
 Two-story reinforced concrete and frame apt. and stores (four 3-room apts. and two stores).
 Owner—Mike Sasa, San Jose.
 Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

BONDS

SACRAMENTO, Cal.—Election will be held March 4 in Lisbon School District to vote bonds of \$15,000 to finance erection of a new school. Trustees of the district are: Manuel Enos, Joseph Lewis and Mrs. Mary C. Nevis.

KETTLEMAN CITY, Kings Co., Cal.—Bond issue of \$15,000 recently voted by the Sunset School District has been declared illegal and new proceedings will be started for a second election. Bids to erect the new school, to be financed from the bond issue, were scheduled for opening Jan. 25 and provided for a two-classroom structure from plans of E. W. Peterson, architect, Mason Bldg., Fresno. Date for the second election will be set by the school trustees shortly.

CHURCHES

Plans Being Figured.
CHURCH Cost, \$—
OJAI, Ventura Co., Cal. Montgomery Street.
 Frame and stucco church (172x80 ft.)
 Owner—Ojai Presbyterian Church.
 Architect—Carleton M. Winslow, Architects Bldg., Los Angeles.

Completing Plans.
POMONA Cost, \$80,000
 Los Angeles Co., Cal. Gibbs and Center Sts.
 Three-story frame and stucco church (Spanish type).
 Owner—First Presbyterian Church of Pomona (Rev. Louis H. Evans, Pastor).
 Architect—Marsh, Smith & Powell, Architects Bldg., Los Angeles.

FACTORIES AND WARE-HOUSES

Sub-Contracts Awarded.
SHOP Cost, \$12,000
SAN FRANCISCO, SW Vallejo Street and Cowell Place.
 One- and two-story concrete shop building.
 Owner—L. A. Colton, % architect.
 Architect—W. D. Peugh, 315 Montgomery St., San Francisco.
 Contractor—Industrial Const. Co., 815 Bryant St., San Francisco.
Rolling Doors—Chas. P. Christiansen, Phelan Bldg.
Plumbing—J. McLeod, 1246 Golden Gate Ave.
Electrical Work—Fred. D. Wilson Co., 144 8th St.

Reinforcing Steel—Gunn, Carle & Co., 44 Market St.
Lumber—J. H. McCallum, 743 Bryant Street.
 Sub-bids are being taken on other portions of the work.

Sub-Bids Being Taken.
NEWSPAPER PLANT Cost, \$—
SAN MATEO, San Mateo Co., Cal. NE 2nd Ave. and San Mateo Dr.
 Two-story 56x160-ft. concrete and steel newspaper plant.
 Owner—Daily Times.
 Architect—Clarence Jackson, 231 2nd St., San Mateo.
 Contractor—Wisnom Co., San Mateo.

ALAMEDA, Alameda Co., Cal.—U. S. Refining Co., Los Angeles, authorized by city council to establish an oil storage plant at Oak St. and Blanding Ave. Construction will involve a storage tank, mixing tank, 20,000-gal. kerosene storage tank, paint house and office building. The initial cost of the plant is placed at between \$25,000 and \$30,000.

Contract Awarded.
LABORATORY Cost, \$40,000
FRESNO, Fresno Co., Cal. Fresno & P Streets.
 Two-story and basement 75x150-foot reinforced concrete laboratory.
 Owner—Twining Laboratories, Fresno
 Designers and Contractors—Fisher & McNulty, Fresno.

OAKLAND, Cal.—Until February 17, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., to furnish and install electric wiring and equipment for Light and Power Co. Transit Shed No. 2 on the Outer Harbor Terminal. Certified check 10% required with bid. Plans obtainable from secretary.

Plans Being Completed.
CREAMERY Cost, \$10,000
SANTA CLARA, Santa Clara Co., Cal. Franklin Street.
 One-story class A Spanish type creamery with tile roof.
 Owner—Santa Clara Creamery M. V. Kane, Santa Clara.
 Architect—Wolfe & Higgins, Realty Bldg., San Jose.
 Bids will be taken in about 1 week.

Plans Being Completed.
DAIRY Cost, \$14,000
SAN JOSE, Santa Clara Co., Cal. Race Street.
 One-story reinforced concrete wholesale dairy.
 Owner—L. C. Rossi, 965 Willow Glen Way, San Jose.
 Architect—Wolfe & Higgins, Realty Bldg., San Jose.
 Plans will be ready for bids in one week.

Plans Being Completed.
FACTORY BLDGS. Cost, \$5,000,000
LONG BEACH, Los Angeles Co., Cal. W-Seventh Street.
 Two factory buildings (100x700 ft. and 100x500 ft.); 500 ft. wharf and 14 steel storage tanks.
 Owner—Proctor & Gamble.
 Architect—Stone & Webster, Laughlin Bldg., Long Beach
 Segregated bids will be taken in two weeks.

Contract Awarded.
COACH SHED Cost, \$—
FRESNO, Fresno Co., Cal.
 Reinforced concrete coach shed, composition roof, iron fencing.
 Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.
 Architect—Eng. Dept. of Owners (W. H. Kirkbride, Eng.)
 Contractor—Standard Const. Co., 185 Stevenson St., San Francisco.

LINCOLN, Placer Co., Calif.—C. E. Bourdon, Roseville, Calif., at \$12,000 awarded contract by Lincoln Fruit Growers' Assn. to erect a one-story wood frame, tile walls, packing plant; will be 100 by 100-ft.

Completing Plans.
BUILDING Cost, \$10,000
MADERA, Madera Co., Cal.
 One-story reinforced conc. building (heating and ventilating system).
 Owner—B. A. Harrington (Valley Feed & Fuel Co.)
 Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.
 Construction is to start Feb. 12th.

Planned.
FACTORY Cost, \$500,000
LOS ANGELES, Cal. Location not Selected.
 Factory (on 5 to 7 acre site).
 Owner—Grand Rapids Store Equipment Corp. of Michigan (Guy W. Davis, Representative), Fine Arts Bldg., Los Angeles.

Contract Awarded.
DAIRY Cost, \$125,000
 with equipment
FRESNO, Fresno Co., Cal. Mary and Hamilton Avenues.
 Reinforced concrete dairy.
 Owner—Canham Dairies, Ltd.
 Architect—Swartz & Ryland, Rowell Bldg., Fresno Spazier Bldg., Monterey, and 301 Pearl St., Salinas.
 Contractor—E. J. Heffner, Fresno.

February 11, 1930
Sub-Contracts Awarded.
FACTORY Cost, \$75,000
SAN FRANCISCO, Utah St. north of 15th St.
 Six-story and basement class B concrete factory (100x100-ft.)
 Owner—R. N. Nason & Co., 151 Potrero Ave.
 Engineer—C. H. Snyder, 251 Kearny Street.
 Contractor—Geo. Wagner, 131 South Park.
Structural Steel—Western Iron W'ks, 141 Beale St.
Plumbing and Mechanical Work—Jas. H. Pinkerton Co., 927 Howard St.
Electrical Work—Enterprise Electric Works, 654 Mission St.
Lumber—Loop Lumber Co., Central Basin.

SONOMA, Sonoma Co., Cal.—R. E. Murphy, general contractor of Sonoma, is negotiating with the Poultry Producers of Central California, 700 Front St., San Francisco, wherein he proposes to erect a fireproof distributing and storage plant in Sonoma. The project is yet in a preliminary stage.

Planned.
CHURCH Cost, \$200,000
SAN PEDRO, Los Angeles Co., Cal. Church and seminary.
 Owner—Roman Catholic Bishop of Los Angeles and San Diego.
 Architect—Not Selected.

OAKLAND, Alameda Co., Cal.—Until Feb. 17, 4:30 P. M., bids will be received by City Port Commission, 424 Oakland Bank Bldg., Oakland, for electric wiring in transit shed No. 2, Outer Harbor Terminal.

GARAGES AND SERVICE STATIONS

OAKLAND, Cal.—Code Garage, 8th and Harrison Sts., seeks permit from city council to install two gasoline pumps in existing underground tanks in Eighth St. near Harrison St.

SAN RAFAEL, Marin Co., Calif.—Shell Oil Co. seeks permit from city council to erect 25,000-gal. steel gasoline storage tank at the local plant. Referred to city manager for report.

MERCED, Merced Co., Calif.—Shell Oil Co. seeks permit from city council to erect 25,000 gal. steel gasoline storage tank at 16th and V Sts.

Contract Awarded.
GARAGE Cont. Price, \$32,287
BERKELEY, Alameda Co., Cal.
Oxford and Addison Sts.
One-story Class C steel frame and reinforced concrete garage.
Owner—University of California, Berkeley.
Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley.
Lessee—Langhorne-Thomas Co., 2573 Shattuck Ave., Berkeley.
Contractor—Connor & Connor, 1733 Francisco St., Berkeley.

Plans Being Figured.
GARAGE Cost, \$25,000
LOS BANOS, Merced Co., Cal.
Reinforced concrete garage and service station (steel trusses).
Owner—Thomas Kaljian.
Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.

Sub-Contracts Awarded.
GARAGE Cost, \$25,000
REDWOOD CITY, San Mateo Co., Cal. No. 145 Webster Street.
One-story reinforced concrete garage.
Owner—General Properties Co., Inc., Architect—N. J. ...

Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

Lumber—Gray-Thorning, Redwood City.

Mill Work—Hubbard & Carmichael, San Jose.

Paint—Redwood Painting Co., Redwood City.

Plastering—Ira T. Bridges, Palo Alto.

Plumbing—P. E. Brand, Redwood City.

Roofing—Jones Bros. Asbestos Supply Co., 370 Second St., San Francisco.

Rolling Doors—Chas. Christensen Co., 557 Market St., San Francisco.

Sheet Metal—Stanford Sheet Metal Works, Palo Alto.

Structural Steel—Golden Gate Iron Works, 1541 Howard St., S. F.

Reinforcing Steel—Soule Steel Co., Rialto Bldg., San Francisco.

Steel Sash—Truscon Steel Co., Call Bldg., San Francisco.

Ornamental Tile—P. Buthmann, Redwood City.

Wiring—Atlas Electric Co., San Mateo.

Cement and Gravel—Peninsula Bldg. Material Co., Menlo Park.

Plans Being Completed.
WAREHOUSE, ETC. Cost, \$200,000
STOCKTON, San Joaquin Co., Calif.
N El Dorado St. and Lindsay.

Brick tire warehouse and super-service station (150x100-ft.).

Owner—Firestone Tire & Rubber Co.

Architect—Chas. McCall, 1404 Franklin St., Oakland.

Will contain modern vulcanizing and tire repair shop, a space for batteries and ignition service, a brake lining and adjusting station, an up-to-date wash and greasing rack and a gasoline and oil station. Bids will be taken in about one week.

Plans Being Prepared.
WAREHOUSE Cost approx. \$200,000
PALO ALTO, Santa Clara Co., Cal.
Brick tire warehouse and super-service station.

Owner—Firestone Tire & Rubber Co.

Architect—Chas. McCall, 1404 Franklin St., Oakland.

All modern conveniences will be installed.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—Roth Const. Co. 447 Broderick St., at \$2,193 submitted lowest bid to Bureau of Yards and Docks, Navy Department, under Specification No. 6035 to erect Naval Radio Compass Station to Farallon Islands. The structure will be of frame construction, 10 ft. 4 in. by 18 ft. 4 in. by 15 ft. to the third floor, complete with exterior and interior wood sheathing and exterior wood finish, single roofing; wiring system and chimney.
Following is a complete list of the bids:

Roth Const. Co., S. F.	\$2,193
C. L. Jouve	2,335
L. M. Bruce, San Francisco	2,660
Roy Lind, San Francisco	2,970
F. J. Reilly, San Francisco	3,136
A. F. Anderson, Oakland	3,469

Bids held under advisement.

SAN FRANCISCO.—Following bids received by Constructing Quartermaster, Fort Mason, for interior painting in Nurses' Dormitory, basement Wards Nos. 7 and 9 and Field Kitchen and mess at Letterman General Hospital.

(1) job complete; (2) deduct from Item 1 if second priority par. No. 38 B of spec. omitted; (3) sum ded. from Item 1 of first priority Par. No. 38 B omitted; (4) job complete in basement Ward No. 7; (5) job complete in Basement Ward No. 9; (6) job complete in Field Kitchen and mess bldg.; (7) total price for Items, 1, 4, 5 and 6.
Monroe Moore, (1) \$3,110; (2) \$50; (3) \$325; (4) \$845; (5) \$630; (6) \$515; (7) \$4,900.

Lee Dixon, (1) 2,642; (2) 75; (3) 75; (4) 360; (5) 420; (6) 600; (7) 4,022.
J. Chaban, (1) 3,625; (2) 110; (3) 208; (4) 585; (5) 699; (6) 825; (7) 5,446.
Piedmont Painting & Dec. Co., (1) 3,895; (2) 268; (3) 205; (4) 435; (5) 435; (6) 458; (7) 5,223.
P. P. Paoli & Co., (1) 2,161; (2) 58; (3) 50; (4) 190; (5) 190; (6) 600; (7) 3,141.

Camel Painting Co., (6) 695.
D. E. Burgess, (1) 4,095; (2) 92; (3) 130; (4) 650; (5) 324; (6) 796; (7) 4,697.
A. B. C. Painting Co., (1) 2,745; (2) 90; (3) 120; (4) 590; (5) 590; (6) 774; (7) \$4,697.

E. Anderson, (1) 4,384; (2) 160; (3) 270; (4) 860; (5) 1,050; (6) 1,016; (7) 7,164.

Patterson Bros., (1) 2,280; (2) 120; (3) 135; (4) 610; (5) 610; (6) 600; (7) 4,200.

J. J. Burdon & Son, Richmond, (1) 4,313; (2) 300; (3) 400; (4) 1,065; (5) 964; (6) 1,116; (7) 7,460.

E. Kahler, (1) 2,223; (2) 160; (3) 165; (4) 572; (5) 626; (6) 480; (7) 3,901.

Cramer Bros., (1) 3,380; (2) 190; (3) 210; (4) 545; (5) 650; (6) 790; (7) 5,365.

Werner Fischer (1) 3,381; (2) 120; (3) 190; (4) 520; (5) 625; (6) 717; (7) 5,244.

T. C. Lovett Spray & Paint Co., (1) 4,910; (2) 140; (3) 120; (4) 940; (5) 980; (6) 1,010; (7) \$7,840.

J. H. Devert, Inc., (2) 116; (3) 350; (7) 5,833.

Roth Const. Co., (1) 2,212; (2) 200; (3) 130.

PORTLAND, Ore.—Until February 27, 2 P. M., bids will be received by Supervising Architect, Treasury Department, Washington D. C., to construct mezzanine floor, etc., in Post Office at Portland, Ore. Plans obtainable from Custodian of the Building at Portland or from above office.

STERLING, Colo.—Until February 26, 3 P. M., bids will be received by Supervising Architect, Treasury Department, Washington, D. C., to furnish and install one electric passenger elevator in the Post Office and Court-house at Sterling Colo.

SAN FRANCISCO, Calif.—Following bids received by Constructing Quartermaster, Fort Mason, for repairs to East Garrison Wharf, Coal Bunker Wharf and West Garrison Wharf at Fort McDowell.

M. B. McGowan, 74 New Montgomery St.	\$4,531
Healy Tabbitts Con. Co.	\$5,131
Clinton Con. Co.	\$5,900
Pan-Pacific Piling & Con. Co.	\$6,750
Duncanson Harrelson Co.	\$9,380

Bids held under advisement.

SAN FRANCISCO.—General Frank T. Hines, director of the U. S. Veterans' Bureau, has requested General Chas. P. Summerall, chief of staff, to turn over to the Veterans' Bureau a 25-acre site in the San Francisco Presidio, preferably near the Letterman Hospital. It is understood the site is wanted for the proposed 11,000,000 Veterans' Hospital, to be erected in the San Francisco Bay district.

BURLINGAME, San Mateo Co., Cal. Following bids received by U. S. Post-office Department, Washington, D. C., for furniture and screen line equipment for the Burlingame Postoffice.
Item 1, furniture; 2, screen line; 3, lock boxes:

McLane Mfg. Co., Milford, N. H. total f.o.b., \$1,047; 2 per cent.

Original Cabinet Co., Niles, Mich. total f.o.b., \$1,213.56; installed \$1,632.06; 2 per cent.

C. F. Weber & Co., San Francisco. installed, item 1, \$325; 2, \$638; 3, \$232 total, \$1,195; 2 per cent.

Richard Shogwasek Co., Green Bay Wis. total f.o.b., \$1,205.10.

Home Mfg. Co., 552 Brannan St., San Francisco, installed, item 1, \$432.60; 2, \$1,063.20; 3, \$235.

George Fensky Co., San Francisco. total installed, \$1,135; 2 per cent.

Keyless Lock Co., Indianapolis, Ind. item 1, \$485.20 f.o.b. and \$676.22 installed; 2, \$783.20 and \$1,089.05; 3, \$211 and \$227.22; total, \$1,432.40 and 2, 603.25; discount 25 per cent for all items.

STEWART, Nevada.—Building program involving an expenditure of \$100,000 will be undertaken at the Carson Indian School at Stewart, providing the Interior Department's appropriation bill, which has passed the House is given Senate approval. The appropriation would provide \$50,000 for a dormitory for small boys; \$25,000 for an administrative and structural building; \$3,000 for laundry; \$5,000 for warehouse and commissary; \$10,000 to remodel and repair girls' dormitory; \$15,000 for superintendent's residence. The structures will be constructed of colored rock found in the vicinity of the school.

PHOENIX, Ariz.—Until Feb. 24, 2 P. M., bids will be received by Superintendent U. S. Indian School, to furnish and deliver 2100 squares of Hexagonal rigid asbestos shingles, equal to No. 70 Johns-Manville, complete with felt, all nails and fasteners for installing; 675 lin. ft. starter, No. 17 and No. 71, Johns-Manville or equal; 550 lin. ft. rigid asbestos rigid roll, red, complete with all fasteners for installing. Further information obtainable from above.

Contract Awarded.
WAREHOUSE Cont. price, \$65,400
SAN FRANCISCO, Goat Island in San Francisco Bay.

Three-story reinforced concrete warehouse and three-story reinforced concrete shops.

Owner—U. S. Government.

Architect—Superintendent of Light-houses, Customhouse, San Francisco.

Contractor—Dyer Const. Co., 1924 Broadway, Oakland.

Construction has just started.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules. Further information is obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:

- Bids Open Feb. 25.**
- Sch. 2795, Mare Island, seamless copper tubing.
- Sch. 2801, Mare Island and Puget Sound, insulated electric cable.
- Sch. 2786, western yards, wire cloth.
- Sch. 2778, Mare Island, combined stadiometer and course detector attachments for submarine periscopes.
- Sch. 2799, western yards, machine and wood screws.
- Sch. 2805, Mare Island and Puget Sound, fire extinguishing systems and cylinders.
- Sch. 2798, New York or San Francisco, 50 solenoid operated valves.
- Sch. 2802, western yards, steel rivets and washers.
- Sch. 2812, Mare Island, 200 sets compasses and dividers with case.
- Sch. 2803, various yards, bolts, brackets, catches, clips, screweyes, fasteners hasps, hooks (coat and hat and door), drawer pulls, curtain rings, and key tags.
- Sch. 2814, various yards, non-ferrous burrs, rivets, and washers.
- Sch. 2818, Mare Island, 17,228 lbs. steel propeller shaft forgings.
- Sch. 2816, Mare Island, 13,800 ft. wire rope.
- Sch. 2810, brass grommets and rings.
- Sch. 2826, San Diego, 1 motor fire truck.
- Sch. 2827, San Diego, 1 inclinable press, motor driven.

HONOLULU, T. H.—N. P. Severin Co., 222 West Adams St., Chicago, Ill., at \$308,900, time for completion 450 days awarded contract by Supervising Architect, Treasury Department, to erect extension and remodel post office at Honolulu.

SACRAMENTO, Cal.—Until Feb. 19, 11 A. M., under Order No. 1680-1599, bids will be received by U. S. Engineer Office, to furnish and deliver Rio Vista, Solano County, one air driven caulking machine, similar and equal to "Little David," Type 23 (Ingersoll-Rand Co.); one air driven chipping hammer, closed handle, outside trigger, size 1 1/16-in. x 4-in. or equal; to be equipped with chuck to hold shank of hawsing iron 1 1/16-in. dia. x 2 1/2-in. long and also with transition fitting to change from female thread on tool bushing to spiral ribbed shank to fit 1/2-in. leader hose.

SEATTLE, Wash.—Following is a partial list of prospective bidders for shop building at Seattle, Wash., bids for which will be opened by the Bureau of Yards and Docks, Naval Department, Washington, D. C., under Specification No. 6053, on a date yet to be set:

American Bridge Co., Wilkins Bldg., Washington.

Warrack Const. Co., 511 McDowell Bldg., Seattle, Wash.

Western Const. Co., Seaboard Bldg., Seattle, Wash.

Felton & Livergreen, 503 Colman Bldg., Seattle, Wash.

Robt. E. McKee, 1128 Central Bldg., Los Angeles, Calif.

David Lupton's Sons Co., Shorham Bldg., Washington.

Halbauer-La Bahn, Inc., 844 Rush St., Chicago.

Wm. MacDonald Const. Co., 1311 Syndicate Trust Bldg., St. Louis.

HAWTHORNE, Nevada—Until Mar. 12, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 5908, for chimney to be erected at the Naval Ammunition Depot, Hawthorne. The work consists of a chimney that shall be 4 feet inside diameter at the top by 100 feet high, constructed of reinforced concrete, and shall have a fire brick lining in the lower 70-foot portion, openings for flues, ladder on the outside, cleanout door, and lightning protection. When available, plans and specifications may be obtained from the District Public Works Officer, Room 513, 100 Harrison St., San Francisco, Cal., upon deposit of \$10.00 check or postal money order payable to the Chief of the Bureau of Yards and Docks.

SAN FRANCISCO—Until February 25, 3 P. M., bids will be received by Supervising Architect, Treasury Department, Washington, D. C., to furnish and install complete elevator plant in the U. S. Marine Hospital at the Presidio. Bond in the amount of 50% of the contract price required of successful bidder. Plans obtainable from above office.

PEARL HARBOR, T. H.—Bids are being received (date for opening not set) by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6087, for refrigerating display case and an automatic refrigerating machine, complete, with all accessories, at the naval operating base (navy yard) Pearl Harbor, T. H.; deposit of \$5 required for plans, obtainable from bureau.

SAN FRANCISCO.—In addition to those previously reported, following are prospective bidders for the proposed Marine Hospital Additions at the San Francisco Presidio, bids for which will be opened by the Supervising Architect, Treasury Department, Washington, D. C., February 25:

Mcnson Bros., 475 6th St., San Francisco.

M. B. McCowan, 74 New Montgomery St., San Francisco.

Le Roy Building Service, 354 Hobart St., Oakland, Calif.

K. E. Parker Co., 135 South Park San Francisco.

Schuler & McDonald, 1723 Webster St., Oakland, Calif.

Lindgren & Swinerton, Inc., Standard Oil Bldg., San Francisco.

McDonald & Kahn, Inc., Financial Center Bldg., San Francisco.

Arthur Priddle, 693 Mission St., San Francisco.

Ring Construction Co., 95 South St., Minneapolis, Minn.

P. F. Reilly, New Call Bldg., San Francisco.

MARE ISLAND, Cal.—Until March 19, 11 A. M., under Specifications No. 6113, bids will be received by Public Works Officer, Mare Island Navy Yard for completion of cleaning and painting five 450-ft. steel radio towers at Mare Island Navy Yard. Specifications obtainable from Commandant at Navy Yard on deposit of \$5, returnable.

HALLS AND SOCIETY BUILDINGS

Commissioned To Prepare Plans.

MEMORIAL BLDG. Cost, \$5,000

MERCED, Merced Co., Cal. At point between Hillmar and Irwin.

American Legion memorial building.

Owner—County of Merced.

Architect—W. E. Bedenken (county surveyor) Shaffer Bldg., Merced.

Preliminary Plans Being Prepared.

LEGION BLDG. Cost, \$—

EMERYVILLE, Alameda Co., Cal.

American Legion building.

Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Plans will be started shortly on two memorial buildings for Livermore and Hayward; \$200,000 will be available for three buildings.

Preliminary Plans Approved.

ELKS' CLUB Cost, \$400,000

LONG BEACH, Los Angeles Co., Cal.

Cedar Ave. near Ocean Blvd.

Reinforced concrete Elks' Club, 80x 150 ft. (115 ft. tower).

Owner—Elks Lodge No. 838.

Architect—W. Horace Austin, Pacific Southwest Bldg., Los Angeles and Schilling & Schilling, Farmers and Merchants Bank Bldg., Los Angeles.

Bids Opened.

MEMORIAL BLDG. Cost, \$27,000

CORNING, Tehama Co., Calif. Solano St. and Houghton Ave.

Brick memorial building.

Owner—County of Tehama.

Architect—Starks & Flanders, Forum Bldg., Sacramento.

Following is a complete list of bids:

Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.....\$34,999

Harry Porter.....35,999

J. P. Brennan, Redding.....36,000

Avezedo & Sarmiento, Sacto.....36,500

Chas. Unger, Sacramento.....37,693

P. T. Bender, Sacramento.....37,833

Fred Betz, Sacramento.....37,950

R. B. McKenzie, Corber.....38,000

H. Finnigan, Sacramento.....38,099

G. W. Kopp, Sacramento.....38,843

J. M. Evans & Son, Sacramento 40,000

February 13, 1930

Date of Opening Bids Postponed indefinitely.

MEMORIAL BLDG. Cost, \$60,000

OKLAND, Glenn Co., Cal.

Two-story reinforced concrete American Legion Memorial Bldg.

Owner—County of Glenn.

Architect—J. C. Petersen, California State Life Bldg., Sacramento.

Bids will probably be advertised shortly and opened in March. Will have stucco finish with vari-colored terra cotta trimmings. Auditorium will seat 1200 and will be 112x60-ft., club room 37x21-ft., Legion hall 23x 32-ft., recreation room, 21x24-ft. Interior finish of gum wood and white maple floor in auditorium. Plans are on file in the office of the county clerk at Willows and are obtainable from the offices of the architect.

Contract Awarded.

RECREATION CENTER

Contract price, \$12,873

BERKELEY, Alameda Co., Cal. Russell and Curtis Sts.

One-story frame and stucco recreation center.

Owner—City of Berkeley.

Architect—James W. Plachek, Mercantile Bank Bldg., Berkeley.

Contractor—S. A. MacDonald & Son, Oakland.

Alt. for maple flooring accepted; add \$170 over contract price.

Will contain auditorium, girls' and boys' showers and locker rooms, moving picture booth and stage.

Preparing Working Drawings.

BUILDING Cost, \$400,000

OKLAND, Alameda Co., Cal. Location withheld.

Six-story and basement class C steel frame and concrete building.

Owner—Salvation Army.

Architect—Douglas Stone, Gt. Western Power Bldg., Oakland.

Plans will be ready for bids in 3 weeks.

HOSPITALS

Contracts Awarded.
PREVENTORIUM Cont. price, \$26,433
SAN MATEO, San Mateo Co., Cal.
One-story frame and stucco preventorium.

Owner—San Mateo Assn. for Prevention of Tuberculosis (Mrs. Harry Daner, president)
Architect—E. L. Norberg, 580 Market St., San Francisco.
Contractor—George Williams, 1404 Broadway, Burlingame.

Plumbing and Heating—Jos. Grimes, Burlingame, \$6,389.

Low Bidder.
HOSPITAL Cost, \$474,466
LOS ANGELES, Cal. General Hospital.

Furnishing and installing kitchen equipment of hospital.

Owner—County of Los Angeles.

Architect—None.

Low Bidder—Dohrman Hotel Supply Co., 444 South Broadway, Los Angeles.

Completing Plans.
HOSPITAL Cost, \$50,000
VISALIA, Tulare Co., Cal.
One-story 40-bed brick hospital (pressed brick, tile roof).

Owner—Kaweah Hospital Co., L. T. D., Visalia.

Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.

Bids will be called for shortly.

FRESNO, Fresno Co., Cal.—Fresno County Medical Society has started a campaign to secure the erection of a new ward for children at the County General Hospital. A separate "wing" structure is contemplated.

Preparing working drawings.
DORMITORY Cost, \$125,000
OAKLAND, Alameda Co., Calif.
Class A dormitory for Fairmont County Hospital (35-bed capacity).

Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Bids will not be taken for about two months.

Plans being prepared.
REMODEL Cost, \$35,000
OAKLAND, Alameda Co., Calif.,
Highland Hospital Grounds.

Remodel entrance to hospital.

Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Alterations are to provide a new entrance for receiving and discharging patients. Under the new arrangement the first floor of the "A" building will be used as a receiving ward, and a corridor will connect the present receiving ward with the new one.

MARCH FIELD, Riverside Co., Cal.
—W. C. Gardenhire, constructing quartermaster, March Field, near Riverside, will call for bids about July 1 for the new hospital building to be erected at March Field. It will be a masonry structure and will cost about \$150,000. Bids will also be called for about the same time for a gymnasium building to cost about \$50,000.

BENICIA, Solano Co., Calif.—Local American Legion Post and auxiliaries are considering sites on which to erect the American Legion Memorial Building for which the county supervisors have raised \$20,000 by direct tax levy to finance.

SAN FRANCISCO—Until February 17, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver hospital supplies, comprising roller bandages, absorbent cotton,

gauze, lint, oiled muslin, adhesive plaster. Specifications and further information obtainable from above.

SAN FRANCISCO—Until February 17, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish X-Ray films for the San Francisco Hospital. Specifications obtainable from above.

IRVINGTON, Alameda Co., Cal.—Local business interests have raised \$5000 to secure location of the Three Link Hospital in this town. The hospital is now located at Livermore and the present lease expires forcing the I. O. O. F. Lodge, operators of the plant, to seek another location.

HOTELS

Segregated Bids Being Taken.

ADDITION Cost, \$60,000
EUREKA, Humboldt Co., Cal.
Addition to present hotel (English half timber construction).

Owner—Eureka Inn.
Engineer—Frederick Whitton, 369 Pine St., San Francisco.

Work consists of coffee shop, kitchen, laundry and new street front.

Commissioned To Prepare Plans.

HOTEL Cost, \$2,500,000
LOS ANGELES, Cal. Kroton's Hill at head of Vine St.
Class A steel, concrete and brick hotel
Owner—S. H. Woodruff, Harry Chandler et al.

Architect—Gordon B. Kaufmann, Union Bank Bldg., Los Angeles.

Lessee—Ritz-Carlton Hotel Co.
Ritz-Carlton Hotel Co. plans to eventually establish a chain of high class hotels in Southern California, buildings to be located at Dana Point, San Diego, Santa Monica, Santa Barbara, Palm Springs and Los Angeles.

Commissioned To Prepare Plans.

HOTEL Cost, \$—
CAPITOLA, Santa Cruz Co., Cal.
Three-story 70-room fireproof hotel.
Owner—E. V. Woodhouse, et al, Capitola.

Architect—W. H. Weeks, Hunter-Dunlop Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Plans Being Prepared.

HOTEL Cost, \$—
LOS ANGELES, Cal. Vine St. and Beechwood Drive (22-acre site).

Steel frame, reinforced concrete Class A hotel (Mediterranean type).
Owner—Hollywood Ritz-Carlton Holding Co., Gilvert H. Beesemeyer, Premises.

Architect—Gordon B. Kaufmann, Union Bank Bldg., Los Angeles.
Lessee—Ritz-Carlton Management.

Working Drawings Will Be Prepared.
HOTEL Cost, \$100,000
SAN RAFAEL, Marin Co., Cal. Laurel Place and Nye St.

Two-story 200-room brick hotel bldg. (North African type).

Owner and Builder—C. R. Danziger, 1860 Jackson St., San Francisco.
Architect—F. H. Slocombe, 85 Cambridge Way, Piedmont.

Plans will be ready for bids in from two to three weeks.

ICE AND COLD STORAGE PLANTS

Construction Started.
STORAGE PLANT Cost, \$40,000
SANTA CRUZ, Santa Cruz Co., Cal.

Chester Ave. and Laurel St.
Reinforced concrete cold storage plant.

Owner—Union Ice Co., 354 Pine St., San Francisco.

Contractor—W. W. Williamson Co.

PEARL HARBOR, T. H.—See "Government Work and Supplies," this issue. To ask bids for refrigerator display case and automatic refrigeration

POWER PLANTS

LOS ANGELES, Calif.—Holladay Housing and Heating Corp., Ltd., of Los Angeles, has been incorporated with a capital stock of \$5,000,000 and plans the construction of hydro-electric power dams on the Columbia river in Oregon in addition to the construction and operation of lumber mills.

Commissioned To Prepare Plans.
ADDITION Cost approx. \$500,000
SAN FRANCISCO. Bush Street near Grant Ave.

Two-story reinforced concrete addition to present sub-station.

Owner—Great Western Power Co., 437 Sutter St.

Architect—Weeks and Day, Financial Center Bldg.

Project is in a very preliminary stage and plans have not been started.

ORNAMENTAL WIRE AND IRON WORK

IRON
WIRE

Fence and Gates

TENNIS COURT ENCLOSURES WIRE SCREENS AND GUARDS

West Coast Wire & Iron Works

San Francisco, California

861-863 Howard Street

Telephone DOuglass 4397

Continuous operation since 1887

TACOMA, Wash.—General Electric Co., at \$366,000 submitted low bid to City Board of Contracts and Awards to furnish and install turbo-generators for new steam plant. Westinghouse Electric second low at \$368,500 and Allis Chalmers Mfg. Co., third low at \$370,450. Taken under advisement.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Bids Opened.

ADDITIONS Cost, \$300,000
SAN FRANCISCO. Civic Center.

Two six-story class A wing additions to State Building, and one-story and basement connecting passage. Owner—State of California.

Architect—Geo. H. McDougall, State Architect, Public Works Building, Sacramento.

Will be steel frame, granite masonry wall, and part reinforced concrete construction. Floor area approx. 45,500 sq. ft.

Following is a complete list of the bids:

General Work
Alt. No. 1, deduct for using plaster in place of cast granite.

Vogt & Davidson, 185 Stevenson St., \$206,643; (1) \$116,000.

Frank J. Reilly, \$207,423; (1) \$29,000.

Mission Concrete Co., \$210,927; (1) \$23,267.

James L. McLaughlin, \$212,800; (1) \$23,200.

Dinwiddle Const. Co., \$215,000; (1) \$15,500.

K. E. Parker, \$218,650; (1) \$27,350.

Schuler and MacDonald, Oakland, \$218,981; (1) \$19,000.

Alfred L. Vezina, \$219,804; (1) \$17,804.

J. W. Cobby & Son, \$227,974; (1) \$15,534.

Mahony Bros., \$237,300; (1) \$5,000.

MacDonald & Kahn, \$239,000; (1) \$26,000.

Jasper-Stacy Co., \$239,563; (1) \$22,433.

F. F. Reilly, \$241,160; (1) \$24,950.

F. C. Amoroso, \$254,000; (1) \$9,000.

Electrical Work
Porter Electric Co., 1500 Church St., \$10,600.

Alta Electric Co., \$10,974.

Apex Elec. Co., \$11,340.

Latourrette-Fical Co., \$11,473.

Roberts Mfg. Co., \$11,530.

Superior Elec. Co., \$11,816.

H. S. Tittle Co., \$11,900.

T. L. Rosenberg, \$12,544.

B. R. Fritz, \$14,323.

Plumbing and Heating
Scott Co., 243 Minna St., \$16,184.

Skelley & Kohler, \$16,500.

Fred W. Snook, \$17,532.

Latourrette-Fical Co., \$19,669.

Herman Lawson, \$19,894.

Complete Mechanical
Latourrette-Fical Co., \$31,000.

Contract Awarded.
LIBRARY Cost, \$275,000

BERKELEY, Alameda Co., Cal. Shattuck Ave. and Kittredge St.

Reinforced concrete and steel class A public library (50 ft. high).

Owner—City of Berkeley, E. M. Hann, city clerk.

Architect—James M. Plachek, Mercantile Bank Bldg., Berkeley.

Heating Engineers—Leland & Haley, 58 Sutter St., San Francisco.

Contractor—K. E. Parker, 135 South Park, San Francisco.

Sub-bids will be taken shortly.

Planned.

AUDITORIUM Cost, \$1,300,000

PASADENA, Los Angeles Co., Cal.

Municipal auditorium.

Owner—City of Pasadena.

Architect—Not Selected.

Plans Being Figured—Bids Close Feb. 25, 11 A. M.

FIREHOUSE \$125,000 available

VALLEJO, Solano Co., Cal. Alameda and Maryland Sts.

One-story Spanish type firehouse.

Owner—City of Vallejo (Alf. E. Edgcombe, city clerk).

Architect—Wm. A. Jones, 408 Alameda St., Vallejo.

Bids are wanted for a general contract, check 10% payable to city required with bid. Plans on file in office of City Engineer T. D. Kilkenny.

See call for bids under official proposal section in this issue.

SAN ANSELMO, Marin Co., Cal.—Lind Company, at \$3,679 awarded contract by town trustees to make alterations and additions to firehouse.

SACRAMENTO, Cal.—The Sacramento County Grand Jury, in annual report to the county supervisors, recommends the construction of a new county jail as the only solution for the county jail problem, and further stating that "such a building could not be obtained because of tax problems." The jury recommended, however, that the locking system in the present jail should be replaced and other repairs and alterations made.

Completing Plans. ANNEX Cost, \$200,000

RIVERSIDE, Cal.

Reinforced concrete and steel annex to county courthouse.

Owner—County of Riverside.

Architect—G. Stanley Wilson, 642 W. Ninth St., Riverside.

SALINAS, Monterey Co., Cal.—Until February 17, 7:30 P. M., bids will be received by M. R. Keef, city clerk, for additions and alterations to firehouse. Plans on file in office of city clerk.

SALEM, Ore.—State Board of Control proposes to provide an appropriation of \$38,000 to finance erection of a new cell block at the state prison, it is announced by Henry W. Myers, superintendent of the institution.

Preliminary Plans Completed. ALTERATIONS Cost, \$200,000

RENO, Nevada.

Alterations and additions to Court-house.

Owner—County of Washoe (E. H. Beemer, County Clerk).

Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.

The addition will provide additional jury quarters and additional county offices. Construction will be fireproof throughout.

SANTA MARLA, Santa Barbara Co., Cal.—County is considering the purchase of a site in Santa Maria on

which it is proposed to erect a jail building and quarters to house and repair county road machinery.

RED BLUFF, Tehama Co., Cal.—City council is considering preliminary plans to remodel the city hall to provide additional city offices and quarters for the fire department. It is probable that funds to finance the work will be raised by a special tax.

SACRAMENTO, Cal.—City Engineer B. C. Clark is preparing estimates of cost for a ventilating system in the city library building.

Commissioned To Prepare Plans. JAIL, ETC. Cost, \$200,000

PASADENA, Los Angeles Co., Cal.

Concrete jail and hospital.

Owner—City of Pasadena.

Architect—J. J. Blick, 275 Madeline Drive, Pasadena.

RESIDENCES

Construction Started. RESIDENCE Cost, \$150,000

SANTA BARBARA, Cal. Hope Ranch Park (22-acre site).

One-story frame residence concrete basement (California type).

Owner—Ben R. Meyer, Pres. Union Bank & Trust Co., Los Angeles.

Architect—Gordon B. Kaufmann, Union Bank Bldg., Los Angeles.

Contractor—John Mayer, 722 Union Bank Bldg., Los Angeles.

Completing Plans. RESIDENCE Cost, \$18,000

HILLSBOROUGH, San Mateo Co., Calif.

Two-story and basement frame and stucco residence (3-rooms).

Owner and Builder—A. M. Schulte, 459 Carnell Ave., San Mateo.

Plans by Grimes & Schoening, Balovich Bldg., San Mateo.

Sub-Bids Being Taken. RESIDENCE Cost, \$18,000

HILLSBOROUGH, San Mateo Co., Calif.

Two-story and basement frame and stucco residence (3-rooms).

Owner and Builder—A. M. Schulte, 459 Carnell Ave., San Mateo.

Plans by Grimes & Schoening, Balovich Bldg., San Mateo.

Low Bidder. RESIDENCE Cost, \$16,000

SAN FRANCISCO. St. Francis Wood.

Two-story and basement ten room frame and stucco residence with tile roof (shingle siding).

Owner—Victor Lewin, 519 California Street.

Architect—Masten and Hurd, Shreve Building.

Low Bidder—Taylor & Jackson, 290 Tehama St.

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Plans Being Completed.
RESIDENCE Cost, \$20,000
NORTH BERKELEY, Alameda Co.
Two-story 12-room frame and stucco
English type residence.
Owner—Dr. Donald.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Commissioned To Prepare Plans.
RESIDENCE Cost, \$25,000
SAN FRANCISCO, Pacific Ave. near
Scott St.
Three-story 9-room frame and stucco
residence.
Owner—Richard Bransten, 2627 Broderick St.
Architect—H. H. Guttererson, 526 Powell Street.

Plans Being Figured.
RESIDENCE Cost, \$15,000
PIEDMONT, Alameda Co., Cal.
One-story 9-room frame and stucco
residence with tile roof.
Owner—Mr. Bernheim.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Plans Being Figured.
RESIDENCE Cost, \$18,000
BERKELEY, Alameda Co., Cal. South
Hampton Road.
Two-story and basement frame and
stucco residence (3 rooms, 3 baths)
Owner—C. S. Crittendon.
Architect—E. L. Snyder, 2101 Shattuck
Ave., Berkeley.
Herbert Schultz, 940 Arlington Ave.,
Oakland, is the only contractor figuring
the plans.

Plans Being Completed.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. San
Luis Road.
Two-story 8-room English type frame
and stucco residence.
Owner—Withheld.
Architect—Sidney B., Noble & Archie
T. Newsom, Federal Realty Bldg.,
Oakland.
Bids will be taken in about ten days

To Be Done By Day's Work.
RESIDENCE Cost, \$8500
OAKLAND, Alameda Co., Cal. 4301
Allendale Ave.
One-story and basement frame and
stucco residence.
Owner and Builder—K. A. Johanson,
2822 76th Ave., Oakland
Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$9,000
SAN FRANCISCO, NW Moscow and
Excelsior.
One-story and basement frame and
stucco residence.
Owner and Builder—V. Barsi, 320 Harriet
Street.
Architect—None.

Plans Being Prepared.
BUNGALOWS Cost each, \$6000
SAN CARLOS, San Mateo Co., Cal.
Three 1-story and basement 5-room
frame and stucco bungalows.
Owner and Builder—J. E. McCarthy,
Redwood City.
Plans by D. E. Jaekle, Call Bldg., San
Francisco.

Plans To Be Prepared.
RESIDENCE Cost, \$14,000
BERKELEY, Alameda Co., Cal. Claremont
Plains.
Two-story frame and stucco residence
Owner—G. H. Hunter.
Architect—W. E. Schirmer, 700 21st
St., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$9,000
SAN FRANCISCO, N Banton 190 W
Geneburn.
Owner and Builder—A. R. Johnson,

One-story and basement frame and
stucco residence.
3901 Mission St.
Plans by D. E. Jaekle, Call Bldg.
Sub-bids will be taken in one week.

Plans Being Prepared.
RESIDENCE Cost, \$30,000
SAN FRANCISCO, N Banton 160 W
Geneburn.
One-story and basement 6-room frame
and stucco residence.
Owner and Builder—A. R. Johnson,
3901 Mission St.
Plans by D. E. Jaekle, Call Bldg.
Sub-bids will be taken in one week.

Contract Awarded.
RESIDENCE Cost, \$20,600
SAN FRANCISCO, N Camino Del
Mar W Sea Cliff.
Two-story and basement frame residence.
Owner—Dr. Elizabeth Arthurs.
Architect—W. C. Perry, 260 California
Street.
Contractor—J. Dawson, 1507 Lincoln
Street.

Contract Awarded.
RESIDENCE Cost, \$14,000
BERKELEY, Alameda Co., Cal. No. 9
Mosswood Road.
Two-story 6-room frame and stucco
residence.
Owner—W. L. Jepson, 11 Mosswood
Road, Berkeley.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—T. S. Lassing, 47 Canyon
Road, Berkeley.

Plans Being Completed.
RESIDENCE Cost, \$13,000
SAN JOSE, Santa Clara Co., Calif.
Palm Haven.
Two-story and basement Spanish type
frame and stucco residence.
Owner—E. L. Wolfe, 704 Palm Haven,
San Jose.
Architect—Wolfe & Higgins, Realty
Bldg., San Jose.
Plans will be ready for bids in one
week.

Plans Being Prepared—To Be Done By
Day's Work.
BUNGALOWS Cost, \$4450 to \$4850 ea
VALLEJO, Solano Co., Cal. Various
Sections of the City.
Twenty one-story five- and six-room
frame and stucco bungalows.
Owner—Mutual Home Builders' Association
(A. C. Crosby, President),
814 Georgia St., Vallejo.
Plans by Owner.

Completing Plans.
RESIDENCE Cost, \$45,000
HANCOCK PARK, Los Angeles Co.,
Cal.
Two-story 15-room frame and stucco
residence.
Owner—Withheld.
Architect—John P. Pedersen, 437½
Beverly Blvd., Beverly Hills.

Segregated Figures Being Taken.
ADDITION Cost, \$10,000
FRESNO, Fresno Co., Cal.
Addition to present residence (hardwood and Marbelized floors).
Owner—W. K. Spaulding.
Architect—Ernest J. Kump Co., Rowell
Bldg., Fresno.

February 8, 1930
Sub-Bids Being Taken.
RESIDENCE Cost, \$25,000
SAN FRANCISCO, E Presidio Ave. S
Pacific Ave.
Two-story and basement frame and
stucco residence.
Owner—H. H. Greenberg.
Architect—Hyman & Appleton, 68
Post St., San Francisco.
Contractor—Young & Horstmeier, 461
Market St., San Francisco.

SCHOOLS

Preparing Working Drawings.
SCHOOL Cost, \$245,000
FAIRFIELD, Solano Co., Cal.
Two-story reinforced concrete high
school (10 classrooms and auditorium).
Owner—Armyo Union High School
District.
Architect—Coffman, Sahlberg & Stafford,
Emerson St., Oakland.
Plans will be ready for bids in about
two weeks.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$30,000
SAN FRANCISCO, N Fulton St. 150
E Stanyan St.
Alterations and additions to faculty
building.
Owner—St. Ignatius College, Fulton
St. near Stanyan St., San Francisco.
Architect—E. A. Eames, 353 Sacramento
St.
Contractor—Barrett & Hilp, 918 Harrison
St.
Brick Work—Mealey and Collins, 666
Mission St.
Plumbing—Ahibach & Mayer, 85 Dorland
St.
Electrical Work—Victor Lemoge, 281
Natoma St.
Sheet Metal—Morrison & Co., 74 Du-
boce Avenue.
Mill Work—Brannan Street Planing
Mill.

Commissioned To Prepare Plans.
SCHOOL Cost, \$40,000
SAN JOSE, Santa Clara Co., Calif.
One-story reinforced concrete school
(3 classrooms and auditorium).
Owner—Franklin School District.
Architect—W. H. Weeks, 111 Sutter
St., San Francisco.
Election will be called shortly to
vote bonds to finance construction.

SACRAMENTO, Cal.—Until Feb. 24,
5 P. M., bids will be received by Chas.
C. Hughes, secretary, Board of Education,
to furnish and deliver f.o.b. Sacramento,
manual and vocational training equipment for
School Departments. Certified check 10% payable to
Board of Education required with bid.
Spec. obtainable from Business Manager,
Board of Education, Administration Bldg.,
21st and L Sts., Sacramento.

REDWOOD CITY, San Mateo Co.,
Cal.—Until February 21, 7:30 P. M.,
bids will be received by J. D. Hedge,
clerk, Sequoia Union High School District,
to furnish and install water softener.
Certified check 10% payable to clerk
required with bid. Specifications obtainable
from clerk.

Bids Opened.
PLUMBING, ETC. Cost, \$—
CHOWCHILLA, Madera Co., Cal.
Plumbing and electric work for school
gymnasium.
Owner—Chowchilla Union High School
District.
Architect—Swartz and Ryland, Brix
Bldg., Fresno.
Plumbing—Barrett-Hicks, 1031 Broadway,
Fresno, \$2,987.
Electric Work—Robinson Elec. Co., 141
College, Fresno, \$1,250.

Plans Being Completed.
SCHOOL Cost, \$50,000
SAN CARLOS, San Mateo Co., Cal.
One-story 6-classroom concrete grammar
school building.
Owner—San Carlos Grammar School
District.
Architect—E. L. Norberg, 580 Market
St., San Francisco.
Plans will be ready for bids in from
two to three weeks.

OAKLAND, Alameda Co., Cal.—Until Feb. 18, 4 P. M., bids will be rec. by John W. Edgmond, secretary, Board of Education, for wrecking Fremont High School buildings and removing debris. Cert. check 10% req. with bid. Spec. obtainable from secty.

Planned.
SCHOOL BLDGS. Cost, \$410,000
NEWPORT BEACH, Orange Co., Cal.
Group of three reinforced concrete school buildings.
Owner—Newport Harbor Union High School District.
Architect—Marsh, Smith & Powell, Architects' Bldg., Los Angeles.

Contract Awarded.
Preliminary Plans Approved.
SCHOOL Cost, \$55,000
SAN DIEGO, San Diego Co., Cal.
Pacific Beach School.
First unit of school.
Owner—San Diego Board of Education.
Architect—Jas. S. Groves, California Bank Bldg., San Diego.

Bids Wanted—To Close February 19.
SHOP Cost, \$25,000
VENICE, Los Angeles Co., Cal.
Venice High School.
Class C brick shop (60x130 ft.)
Owner—Los Angeles Board of Education.
Architect—A. S. Nibecker, Jr.

Plans being figured. Bids close Feb. 25th, 4:15 P. M.
ADDITION Cost, \$120,000
OAKLAND, Alameda Co., Calif., Montecello and Fleming Sts., (Maxwell School).
Two-story brick addition to present elementary school.
Owner—Oakland Board of Education.
Architect—John J. Donovan, 1916 Broadway, Oakland.

Plans Being Figured—Bids Close March 3.
ADDITION Cost, \$30,000
SHAFTER, Kern Co., Calif.
Brick addition to school.
Owner—Kern County Union High School District, Bakersfield.
Architect—Symmes & Cullimore, Haberfelde Bldg., Bakersfield.
Plans are obtainable from the architects at Bakersfield.

Plans Being Figured—Bids Close Mar. 3.
ADDITION Cost, \$30,000
MCFARLAND, Kern Co., Cal.
Brick addition to school.
Owner—Kern County Union High School District, Bakersfield.
Architect—Symmes & Cullimore, Haberfelde Bldg., Bakersfield.
Plans obtainable from architects at Bakersfield.

Preparing Working Drawings.
SCHOOL Cost, \$35,000
WILLOW GLEN, Santa Clara Co., Cal.
One-story reinforced concrete school (six classrooms, administration room and kindergarten)
Owner—Willow Glen School District.
Architect—Wolfe & Higgins, Realty Bldg., San Jose.
Plans will be ready for bids in two weeks.

Completing Plans.
SCHOOL Cost, \$112,000
TRANQUILLITY, Fresno Co., Cal.
Reinforced concrete and brick high school (tile roof; heating and ventilating system).
Owner—Tranquillity Union High School District.
Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.
Plans will be ready for bids in four weeks.

SAN FRANCISCO.—Incandescent Supply Co., 726 Mission St., at \$464 awarded contract by Board of Public Works to furnish and install electrical fixtures in Geary St. School.

SAN FRANCISCO.—Alta Elec. Co., 938 Howard St., at \$8,350 awarded contract by Board of Public Works for electrical work in the Francisco Jr. High School Addition.

Plans Being Figured—Bids Close Feb. 25, 4 P. M.
ADDITION Cost, \$120,000
OAKLAND, Alameda Co., Cal.
Montecello and Fleming Sts. (Maxwell School).

Two-story brick addition to present elementary school.
Owner—Oakland Board of Education.
Architect—John J. Donovan, 1916 Broadway, Oakland.
See call for bids under official proposal section in this issue.

Contract Awarded.
SAN RAFAEL, Marin Co., Cal.
Three-story reinforced concrete academic and library building (12 classrooms and library).
Owner—Dominican College of San Rafael.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—Barrett & Hilt, 913 Harrison St., San Francisco.
Will be of Italian Renaissance style.

Plans Being Figured—Bids Close Feb. 20, 7:30 P. M.
BAKERSFIELD, Kern Co., Cal.
ADDITIONS Cost, \$—
Brick additions and alterations to Roosevelt School.
Owner—Bakersfield School District, Florence C. Porter, Secretary.
Architect—Symmes & Cullimore, Haberfelde Bldg., Bakersfield.
Certified check or bidder's bond of 10% payable to secretary required with bid. Plans obtainable from the architects on deposit of \$10, returnable.
See call for bids under official proposal section in this issue.

CHICO, Butte Co., Calif.—Board of Education contemplates erection of an additional classroom building in connection with the \$750,000 high school group erected eight years ago. The Board has a site, comprising eighteen lots, adjoining the school in Sovilleno Ave. on which it is proposed to erect the structure. Chas. H. Camper is secretary of the Board of Education.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$—
CERES, Stanislaus Co., Cal.
Grammar school.
Owner—Ceres Grammar School Dist.
Architect—W. H. Weeks, 111 Sutter St., San Francisco.

Plans Being Completed.
SCHOOL Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
One-story frame and stucco school for boys.
Owner—Mrs. Grace Douglas, Pebble Beach.
Architect—Wm. Raiguel, Del Monte.
Plans will be ready for bids in one week.

Plans Being Completed.
BUILDING Cost, \$635,000
BERKELEY, Alameda Co., Cal.
University of California Campus.
Class A building (height and type of construction not decided).
Owner—University of California.
Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.
Engineer—H. J. Brunner, Sharon Bldg., San Francisco.
Proposed building will probably house the College of Engineering (electrical

and mechanical depts.) This will be the first unit of a group of buildings to be constructed at a later date. Bids will be advertised for within the next few weeks.

Rock, Sand and Lumber Bids Wanted
LIBRARY Cost, \$—
SAN RAFAEL, Marin Co., Cal.
Three-story reinforced concrete academic and library bldg. (12 classrooms and library).
Owner—Dominican College of San Rafael.
Architect—Arnold Constable 580 Market St., San Francisco.
Contractor—Barrett & Hilt, 913 Harrison St., San Francisco.
Will be of Italian Renaissance style.

BANKS, STORES & OFFICES

Plans Being Prepared.
ALTERATIONS Cost, \$—
TULARE, Tulare Co., Calif.
Kern Sts.
Alterations and additions to present building.
Owner—Bank of Italy.
Architect—H. A. Minton, Bank of Italy Bldg.—Eddy and Powell Sts., San Francisco.

Preliminary Plans Being Prepared.
BUILDING Cost, \$10,000
TULARE, Tulare Co., Calif.
Brick building, stucco exterior and tile roof.
Owner—Chamber of Commerce of Tulare.
Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.

Sub-Bids Being Taken.
BUSINESS BLDG. Cost, \$25,000
SAN MATEO, San Mateo Co., Cal.
Third Avenue.
Two-story reinforced concrete business building.
Owner—Mr. Armanini.
Architect—Enri Cavasso, 235 3rd Ave., San Mateo.
Contractor—Sierra Constr. Co., Ltd., 235 3rd Ave. San Mateo.

Plans Being Prepared.
BANK Cost, \$250,000
KLAMATH FALLS, Oregon.
Sixth and Main Streets.
Two-story and basement Class A bank and (18) offices.
Owner—First National Bank.
Architect—H. H. Winner & Co., 530 Market St., San Francisco.

Plans Being Prepared.
REMODEL, ETC. Cost, \$20,000
SAN FRANCISCO.
Fourteenth and Guerrero Streets.
Elevator installation and remodel labor temple.
Owner—San Francisco Building Trades Council, Premises.
Plans by George R. Newsom, Supt. of Temple, Premises.

Plans Complete.
STORE Cost, \$35,000
SAN CARLOS, San Mateo Co., Cal.
Three-story and mezzanine floor reinforced concrete and steel store (60 display rooms; 52,000 sq. ft.)
Owner—Harvey Nelson, 208 Greenfield Ave., San Anselmo.
Plans by Owner.

Contract Awarded.
MARKET Cost, \$50,000
STOCKTON, San Joaquin Co., Calif.
N El Dorado St. bet. Park and Flora Sts.
One-story brick and reinforced concrete market (100x200-ft.)
Owner—El Dorado Motor Court, Inc.
Architect—Frank W. Mayo, 1024 W. Flora St., Stockton.
Contractor—J. F. Shepherd, 1st National Bank Bldg., Stockton.

Contract Awarded.

ALTERATIONS Cost, \$18,000
SAN FRANCISCO. 923 MARKET ST.
 Alterations and additions to store
 (new fronts, etc.)
 Owner—Zukor's, 923 Market St.
 Plans by N. B. Mears, care Mullen
 Mfg. Co.
 Contractor—A. Steinberg, Ambassador
 Hotel. \$18,000

Contract Awarded.

BANK Cost, \$30,000
REDWOOD CITY, San Mateo Co.,
 Cal. Upper Broadway and Minnie
 Street.
 One-story concrete modern bank bldg.
 (90x90-ft.; Spanish type).
 Owner—San Mateo County Bank, Red-
 wood City.
 Architect—Albert F. Roller, Crocker
 First National Bank Bldg., San
 Francisco.
 Contractor—Gus Waller, Redwood
 City.

Contract Awarded.

STORES Cost, \$25,000
SAN FRANCISCO. SW Post and Fill-
 more Sts.
 One-story reinforced concrete (7) store
 building.
 Owner—Dunn-Williams Realty Corp.,
 156 Montgomery St.
 Architect—S. Heiman, 605 Market St.
 Contractor—J. S. Malloch, 666 Mission
 Street.

PATTERSON, Stanislaus Co., Calif.
 —Witten Meat Co., El Circulo and
 South Sts., plans to raze present quar-
 ters and erect a one-story brick and
 tile, 37 by 50-ft., structure. A con-
 tract for construction will be let short-
 ly. [A]

Planned,
NEWSPAPER BLDG. Cost, \$3,000,000
 or more
LOS ANGELES. Cal. First, second
 and Spring Sts.

Class A newspaper building.
 Owner—Times Mirror Co., 118 South
 Broadway, Los Angeles.
 Architect—Not Selected.

Contract Awarded.
BUILDING Cost, \$30,000
SAN MATEO, San Mateo Co., Calif.
 Second and San Mateo Drive.
 One-story concrete business building.
 Owner—Wisnom Co., 231 2nd St., San
 Mateo.

Architect—None.
 Contractor—S. A. Wisnom, 140 South
 Ellsworth, San Mateo.

Plans Being Figured.
ALTERATIONS Cost, \$25,000
OAKLAND, Alameda Co., Cal. 16th
 St. and San Pablo Ave.
 Alterations to present bank building.
 Owner—Oakland Bldg. & Loan Assn.
 Architect—W. E. Schirmer, 700 21st
 St., Oakland.

Preparing working drawings.
OFFICES Cost approx. \$50,000
FAIRFIELD, Solano Co., Calif.
 Three-story modern office bldg. (100x
 50 ft.)
 Owner—E. L. Dearborn, Fairfield.
 Architect—Coffman, Sahlgren & Staf-
 ford, Forum Bldg., Sacramento;
 3529 Emerson St., Oakland.
 Plans will be ready for bids in about
 thirty days.

Plans Being Completed.
PUBLISHING PLANT Cost, \$10,000
REDWOOD CITY, San Mateo Co., Cal.
 Washington and Webster Sts.
 One-story and mezzanine floor rein-
 forced concrete publishing plant.
 Owner—Standard Printing Co., and
 Times Gazette, Redwood City.
 Architect and Mgr. of Const.—L. F.
 Bourquin, Redwood City.
 Construction is to start in about 2
 weeks.

Brick and cement contract awarded.
STORES Cost, \$25,000
FAIRFIELD, Solano Co., Calif. S.
 Texas St., bet. Jackson and Web-
 ster.

One-story brick and concrete store
 building (50x96 ft.)
 Owner and Builder—W. B. Fields, 3866
 14th Ave., Oakland.
 Architect—Hutchison & Mills, 337 17th
 St., Oakland.

Lessee—J. A. Gerevas, T. O. Dow-
 dell and Solano Republican.
 Brick and Cement—Clyde Harris,
 Oakland.

Sub bids are being taken by owner on
 other portions of the work.

Wrecking contract awarded.
OFFICES Cost, approx. \$30,000
EUREKA, Humboldt Co., Calif., SE
 Fourth and A Sts.

One-story and mezzanine floor steel
 frame and brick office and shop
 building (140x110 ft.)

Owner—Pickwick Stage System.
 Architect—O'Brien Bros. and W. D.
 Peugh, 315 Montgomery St., San
 Francisco.

Wrecking—Mercer Fraser Co., Eureka.
 General contract will be awarded Feb.
 10th.

Plans Being Prepared.
STORE Cost, \$10,000
SANTA CLARA, Santa Clara Co., Cal.

One-story Spanish type brick grocery
 store.

Owner—Mr. George.
 Architect—Wolfe & Higgins, Realty
 Bldg., San Jose.
 Bids will be taken in one week.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$10,000
SAN FRANCISCO. 2554 Mission St.
 Alterations to present store.

Owner—Hale Brothers.
 Plans by Owners.
 Contractor—Young & Horstmeier, 461
 Market St.

Lessee—Oregon City Woolen Mills,
 San Francisco.
 Glass—W. P. Fuller & Co., 301 Mis-
 sion Street.
 Mill Work—J. A. Hart Mill & Lum-
 ber Co., Jerrold and Napoleon Sts.
 Sheet Metal—J. J. Delucchi, 1526 Pow-
 ell Street.

Tile—J. I. Meeks & Co., 748 14th St.

Excavating and Piling Bids Wanted.
BUILDING Cost, \$400,000
SAN FRANCISCO. Sansome St. and
 Merchants St.

Eight-story and basement class A re-
 inforced concrete building.
 Owner—California Ink Co.

Architect—Willis Polk Co., 227 Pine St.
 Contractor—Barrett & Hilp, 918 Har-
 rison St.

Sub-bids are being taken on exca-
 vating and piling.

As previously reported, wrecking
 awarded to California Wrecking Co.,
 666 Mission St.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$13,000
SAN FRANCISCO. NW 19th and Shot-
 well Sts.

Alterations to 2nd and 3rd floors of
 office building.
 Owner—Langendorf United Bakeries,
 McAllister and Fillmore Sts.

Mgr. of Const.—Mel. I. Schwartz, 308
 Kearny St.

Contractor—Industrial Const. Co., 815
 Bryant St.

Plastering—A. W. Cordes, 1263 33rd
 Avenue.

Roofing—Phoenix Supton, 520 6th St.
Sheet Metal—Gulfofy Cornice Works,
 1234 Howard St.

As previously reported, lumber
 awarded to J. H. McCallum Lumber
 Co., 748 Bryant St.

Sub-bids are being taken on other
 portions of the work.

MARTINEZ, Contra Costa Co., Cal.
 —H. M. Blowers, manager of the J. C.
 Penney Co., announces a 50 by 50 ft.
 addition will be made to the present
 store building.

THEATRES

Plans Being Completed.
THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. Twelfth
 and Broadway.

Two-story theatre and store building
 (theatre to seat approx. 800).

Owner—Levy Estate, Oakland.
 Architect—Clausen and Amandes,
 Hearst Bldg., San Francisco.
 Plans will be ready for bids in ten
 days.

WHARVES AND DOCKS

CALAVERAS COUNTY, Cal.—Until
 February 26, 2 P. M., bids will be re-
 ceived by State Highway Commission
 to grade and surface with crushed
 run base and untreated gravel or
 stone surface, 2.8 miles between 1½
 miles north of 1½ miles south of Cal-
 averitas Creek.

See call for bids under official pro-
 posal section in this issue.

VENTURA, Ventura Co., Cal.—
 County Engineer Chas. W. Petit an-
 nounces bids will be asked at once to
 pave and widen Grimes Canyon Road.
 The road is to be widened to 18 ft.
 and paved with concrete for about 3
 miles. Estimated cost \$65,000.

SAN JOSE, Santa Clara Co., Cal.—
 County supervisors will spend \$325,500
 during the next six months in the
 construction of roads and bridges.
 Robert Chandler is county surveyor.

SAN JOSE, Santa Clara Co., Cal.—
 Until February 3, 8 P. M., bids will
 be received by C. B. Goodwin, city
 manager, to pave roadway of concrete
 bridges over Guadalupe river at Hob-
 son street and Taylor street. Cer-
 tified check 10% payable to city required
 with bid. Plans obtainable from Wm.
 Popp, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.
 —City declares intention (455-C) to
 improve Walnut Ave., between Chest-
 nut and Pacific Aves., involving cur-
 bent concrete paving; conc. curbs,
 walks, driveway approaches, catch-
 basins, pipe drains, storm water man-
 hole; br. manhole; vit. clay pipe sewer
 laterals; 20 2-light Marbelite electro-
 lier standards with underground sys-
 tem. 1911 Act. Hearing Feb. 17. S.
 A. Evans, city clerk. Roy Fowler,
 city engineer.

SAN JOSE, Santa Clara Co., Cal.—
 San Jose Paving Co., San Carlos and
 Dupont Sts., San Jose, awarded con-
 tract by city council (4965) to improve
 portions of Waco St., bet. Hamline and
 Newhall Sts., involving grade; 1½-in.
 asph. concrete surface pave, on 2½-
 inch asph. conc. base; cem. conc.
 curb and gutter; san. brick manhole.

SAN FRANCISCO.—Clinton Const.
 Co., 923 Folsom St., at \$1100 awarded
 contract by Constructing Quartermas-
 ter, Fort Mason, for repairs to torpedo
 wharf at Fort Winfield Scott.

SANTA BARBARA, Cal.—Applica-
 tion has been made by Elena Orellio
 Covarrubius for War Dept. permission
 to construct a pier and bulkhead in
 Santa Barbara channel, Pacific Ocean,
 westerly of Capitán, Santa Barbara
 county. The pier to be 34 ft. wide
 and extend seaward 79.5 ft. from mean
 high tide line.

Planned.
PLEASURE PIER Cost, \$1,500,000
 LONG BEACH, Los Angeles Co., Cal.
 Pleasure pier (1164 ft. in length and
 375 ft. wide).
 Owner—Neptune Pier Co.
 Architect—R. D. Van Alstyne, Heart-
 well Bldg., Long Beach.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Calif.—Following bids
 taken under advisement by City Port
 Commission to furnish (a) 5,000 cu.
 yds. crushed rock; (b) 5,000 cu. yds.
 quarry waste to Municipal Airport;
 San Leandro Rock Co., (a) \$1.12; (b)
 \$.50.
 Healy-Tibbitts Co., (a) \$2.20; (b) \$2.14.
 Central Const. Co., (a) \$1.04; (b) \$.93.

BERKELEY, Alameda Co., Calif.—
 Until Feb. 24, 11 A. M., bids will be
 received by Regents of the University
 of California, for (a) central heating
 plant building; (b) utility tunnel con-
 nection; and (c) combined proposals
 on items "a" and "b" on the Univer-
 sity Campus. Plans obtainable
 from Cashier at California Hall, Berk-
 eley, on deposit of \$100, on proposi-
 tion A and \$25 deposit for plans on
 proposition B, both returnable.
 See call for bids under official pro-
 posal section in this issue.

CARMEL, Monterey Co., Cal.—John
 Batten urged city to acquire the Aba-
 lone League's playhouse property in
 Monte Vista St. for a civic center.
 The project would involve an expendi-
 ture of \$25,000. The property would
 cost, \$10,700, while remodeling the
 playhouse for a city hall would cost
 \$10,000; shed for fire engine house \$3,
 000; heating facilities, \$1,000.

OAKLAND, Cal.—Weaver-Wells Co.,
 29th and Broadway, Oakland, awarded
 contract by City of Oakland Port
 Commission for furnishing 5-passenger
 car. Cost \$1,795 with \$275 allow-
 ance for old car.

SAN FRANCISCO.—Board of Public
 Works rejects lone bid of J. W. Cobby
 at \$21,973 to rehabilitate the Stockton
 St. Tunnel and new bids will be con-
 sidered Feb. 19, 2:30 P. M. Project
 involves waterproofing, lighting and
 general repairs. Plans obtainable from
 Bureau of Engineering, 3rd floor, City
 Hall.

Segregated Bids Being Taken.
MAUSOLEUM Cost, \$1,000,000
GLENDALE, Los Angeles Co., Cal.
 Forest Lawn Cemetery.
 Reinforced concrete addition to mau-
 soleum.
 Owner—Forest Lawn Properties As-
 sociation, 1728 Glendale Ave.,
 Glendale.
 Architect—Charles H. Kyson, Admin-
 istraton Bldg., Glendale.

PITTSBURG, Contra Costa Co., Cal.
 —Engineers of the Air Ferries, Ltd.,
 are making surveys in Pittsburg for
 a landing field to be used in connection
 with the San Francisco, Vallejo
 and Stockton air service.

PITTSBURG, Contra Costa Co., Cal.
 —City Engineer Geo. Oliver instruct-
 ed by city council to prepare plans
 for a municipal swimming pool to be
 located in the municipal park. Est.
 cost, \$15,000.

SAN MATEO, San Mateo Co., Cal.—
 San Mateo Chamber of Commerce has
 started preliminaries in connection
 with a proposed yacht harbor at
 Coyote Point. The cost of the pro-
 ject and means of financing, however,

are yet to be worked out. A. W.
 Deuel, president of the San Francisco
 Bay Toll Bridge Co., chairman of the
 investigation committee, has prepared
 a tentative report which will be a-
 tted upon shortly.

HILLSBOROUGH, San Mateo Co.,
 Cal.—Town trustees will call election
 in April to vote bonds of \$25,000 to
 finance purchase of additional fire
 apparatus and equipment for the
 police department in addition to pro-
 viding funds for additions to munici-
 pal structures.

SAN FRANCISCO.—Board of Pub-
 lic Works has requested the super-
 visors to pass an ordinance authoriz-
 ing a call for bids to construct beacon
 and flood lights at safety zones at
 Market and Gough; Market and La-
 guna and Van Ness Ave. and Geary
 Street.

LOS ANGELES, Cal.—E. D. Cam-
 onille, 1717 N. Highland Ave., will
 design and construct complete zoo and
 aviary for large midwest city. Will
 cover 42 acres and cost \$1,130,000. Mr.
 Camonille also has contract for aviary
 at Flintridge for Robert Urban. Will
 be steel and concrete. Cost, \$2500.

SAN FRANCISCO.—Warner Bros.
 Pictures, Inc., have purchased the
 property on south side of Golden Gate
 Ave. west of Leavenworth St., 100x
 137-ft. Improvements to be made will
 be announced at a later date.

MARTINEZ, Contra Costa Co., Cal.
 —West American Air School, Ltd.,
 has leased large tract west of Pitts-
 burg for airport and aviation school,
 and will prepare it for landing pur-
 poses and construct hangar. More
 definite information will be given
 shortly.

SALADA BEACH, San Mateo Co.,
 Calif.—Education, Parks and Play-
 ground Committees of the San Fran-
 cisco Board of Supervisors has recom-
 mended construction of a new munici-
 pal golf course in Sharp's Park, Sala-
 da Beach, as petitioned for by the
 Municipal Golfers' Association. The
 cost of the project is estimated at
 \$150,000.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and ad-
 dresses of the individuals or firms
 concerned in these opportunities will
 be furnished on request to the Busi-
 ness Opportunity Department of Daily
 Pacific Builder, 545-547 Mission Street,
 Phone KEarny 1252.

D-3379—Representation. Milwaukee,
 Wis. Concern anxious to correspond
 with several agents with a view to-
 wards making an agency connection,
 for sand blast and dust suppression
 equipment, such as used in foundries,
 wholesale and retail granite shops,
 etc.

**D-3381—Manufacturers and Distrib-
 utors.** Bend, Oregon. Distributor de-
 sires of contacting manufacturers or
 large distributors who have products
 to merchandise and which can be
 readily sold in Bend, Oregon. Party
 has office, automobile, trucks and of-
 fice personnel, will pay own expenses
 and sell to approved credit accounts
 only.

D-3382—Managership. Los Angeles,
 Calif. Party interested in taking over
 managership of firm or as an alter-
 native would be willing to repre-
 sent a lively firm for the state of Cali-
 fornia.

18010—Cement and Lime. Montreal,
 Canada. Exporter of natural Portland
 cement, artificial Portland cement,
 and hydrated mason lime wishes to
 contact local contractors.

**18020—Manufactured Goods Repre-
 sentation.** San Francisco, Calif. Party
 in Switzerland desires to represent a
 manufacturer of any line, but particu-
 larly one manufacturing agricul-
 tural or farming implements, or elec-
 trical appliances.

18027—Representation in the Orient.
 Los Angeles, Calif. Party is return-
 ing to the Orient and is interested in
 representing manufacturers of ma-
 chinery, luxuries, food products, tex-
 tiles, etc., there.

18030 — Hydraulic Lifts. Havana,
 Cuba. Concern wants to make a con-
 nection with a manufacturer of single
 and double ram hydraulic lifts.

18032 — General Representation.
 Manaus, Brazil. Party wants to rep-
 resent San Francisco manufacturers
 or commission houses in Manaus.

18034—Representation. Great Falls,
 New York. Party with 13 years' ex-
 perience buying and selling in the ex-
 port commission business and ten
 years' residence in Argentina and Urugu-
 ay is planning to return to Buenos
 Aires with a line of lumber. He wants
 to take other lines with him, particu-
 larly any that would fit in well
 with the lumber line.

D-3389—Distributor. Chicago, Ill. A
 manufacturer of expansion joints used
 with pavements, bridges and all kinds
 of concrete slab work, is open to in-
 crease number of distributors and
 agents in certain good unassigned ter-
 ritory.

D-3390—Representation. Cedar Rap-
 ids, Iowa. Firm wants to get a live
 representative in the coast or some
 good firm that will operate their line
 or some individual with sufficient
 backing and go to handle the terri-
 tory for a pinless curtain former and
 drier and quilting frame.

**D-3391—Manufacturers' Representa-
 tive.** Dallas, Texas. Party interested
 in representing manufacturer not al-
 ready represented in connection with
 the construction industry in north-
 east Texas, including Dallas and Fort
 Worth.

31

LANDLORD PERMITTED TO USE SUBMETER IN APARTMENTS

The right of electrical power com-
 panies to refuse to furnish electricity
 to apartment house owners has been
 denied by the Supreme Court of the
 District of Columbia where such re-
 fusal was made because the owners
 would not agree to charge tenants for
 electricity transmitted to them by the
 owners on the basis of the amount
 they used as ascertained by a meter,
 or upon engagements not to resell the
 electricity to the tenants.

Statutory provisions show the plain
 legislative intent to allow apartment
 house owners to receive electricity
 from the power company and trans-
 mit it for the use of tenants and to
 charge the tenants therefor. The
 court, it added, was unable to see
 any distinction between ascertaining
 the charge by the use of a meter so
 that each tenant might be charged
 for what he actually used, or being
 charged a lump sum by way of in-
 creased rent or without reference to
 the amount used by the particular
 tenant.

The decision was made in the case
 of Myron P. Lewis, et al. vs. the Po-
 tomas Electric Power Company.

Factory representation in the Pacific
 Northwest district by the Detroit
 Steel Products Company is announced
 with the opening of offices at Seattle
 with O. C. Hendry, formerly of the
 Oakland, Calif., office in charge.
 Hendry was in business in Seattle in
 1922, going to Oakland branch of the
 Detroit Steel Products Co. with its
 opening there in 1923.

Engineering News Section

BRIDGES

SONORA, Tuolumne Co., Cal.—Until March 4, bids will be received by county supervisors to construct reinforced concrete, slab type bridge over Curtis creek in town of Soulsbyville; one span, 22-ft. wide. Plans obtainable from County Surveyor Robert Thom at Sonora.

PLACERVILLE, El Dorado Co., Cal.—County supervisors, Arthur J. Koltzke, county clerk, reject bids received Feb. 4 to construct a reinforced concrete bridge over Weber Creek at Darlington and a concrete slab bridge over North Weber Creek on the Pleasant Valley road. Bids were: Hector Williamson, Placerville, \$3,000; E. M. Noble, Marysville, \$4,394. New bids will be considered March 4, 2:30 P. M. Plans obtainable from Henry Lahiff, county surveyor, at Placerville.

FRESNO, Fresno Co., Calif.—A. M. Jensen, county surveyor, preparing plans to repair piers of Friant bridge over the San Joaquin river, the cost of the work to be borne equally by Fresno and Madera counties.

OROVILLE, Butte Co., Cal.—Until March 3, 2 P. M., bids will be rec. by C. F. Belding, county clerk, to construct concrete bridge over Clear creek on Clark grade and for timber decking a bridge over a slough near the Lewis place. Total estimated cost \$2,400. Plans obtainable from J. A. Bumgarner, county surveyor.

STOCKTON, San Joaquin Co., Cal.—Until February 24, 11 A. M., bids will be received by Eugene D. Graham, County Clerk, to construct Durham Ferry Bridge over San Joaquin river in Road District No. 3. Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from Julius Manthey, county surveyor.

FRESNO, Fresno Co., Cal.—Southern Pacific Railroad Co. has signed agreement with Fresno county supervisors permitting the construction of the Biola Subway on the Whites Bridge road under the Southern Pacific tracks. The cost is estimated at \$60,000. The railroad will bear the cost of construction, the county to maintain the road in connection therewith. A. M. Jensen is county surveyor.

RICHMOND, Contra Costa Co., Cal.—U. S. War Department has granted a permit to the American Toll Bridge Co., 625 Market St., San Francisco, to construct a bridge from Richmond, Contra Costa County to San Quentin, Marin county to replace ferry service between those two points. Plans provide for a fixed structure from a point 2000 ft. south of Point San Pablo. In Contra Costa county, to a point about half a mile east of the mouth of San Rafael creek in Marin county, near San Rafael. The bridge would pass just south of Brothers Islands and just north of Marin Islands. A channel west of Brothers Islands 300 ft. wide, with a vertical clearance of more than 175 ft., will be provided; and another channel, bet. Brothers Islands and Point San Pablo, with a vertical clearance of 200 ft. and horizontal clearance of 1000 ft. will allow passage be-

neath the bridge of the largest ships entering San Francisco bay. The war department's permit was granted to Oscar H. Klatt, of San Francisco, president of the American Toll Bridge Co. Plans for the structure were prepared by Chas. Derleth, dean of engineering at the University of California, Berkeley.

LONG BEACH, Cal.—Structural Engineer G. W. Firth has completed plans for a concrete double viaduct at Hill St. and Orange Ave.; will be of the concrete wall type, with earth fill and steel work over the tracks, with concrete decks, and approaches 450 ft. in length. Est. cost \$140,000. The cost of the viaduct will be shared by the Pacific Electric Ry., the county, Signal Hill, and Long Beach.

SAN JOAQUIN COUNTY, Cal.—Until March 12, 2 P. M., bids will be rec. by State Highway Commission to construct four reinforced concrete girder bridges between Lodi and Stockton; one across Calaveras river, consisting of three 34-ft. spans; one across Mosher creek, consisting of three 27-ft. spans; one across Bear creek, consisting of three 30-ft. spans and one across Live Oak creek, consisting of two 30-ft. spans. C. H. Purcell, state highway engineer.

See call for bids under official proposal section in this issue.

DREDGING, HARBOR WORKS & EXCAVATIONS

BAKERSFIELD, Kern Co., Calif.—Until February 19, 2 P. M., bids will be received by H. I. Tupman, secretary, Kern River District of Kern Co., Bank of Italy Bldg., Bakersfield, for reinforcement of levee on E side of Chester Ave. and N side of Kern river. Certified check or bidder's bond of 10% payable to district required with bid. Plans obtainable from secretary.

CORONADO, Los Angeles Co., Cal.—E. A. Ingham, superintendent of operations, has announced that the city planning commission will at its meeting February 10, consider plans for extensive dredging operations in Glorietta Bay. The work proposed consists of enlarging a present turning area of 200x200 feet to 1000x2000 feet and construction of a channel 500 ft. wide, 10 ft. deep to mean lower low water, and about one mile in length.

SAFETY SHOES

blast, protect the toes from falling objects.

BULLARD-DAVIS, Inc.

SAN FRANCISCO
275 8th St.
MArket 2322

LOS ANGELES
800 W. 11th St.
WEStmore 4179

IRRIGATION PROJECTS

OROVILLE, Butte Co., Calif.—Financial arrangements have been completed whereby the Oroville-Wyandotte Irrigation District will complete its main lateral system at a cost of approx. \$25,000. Work is to be commenced at once.

FRESNO, Fresno Co., Cal.—I. Teilmann, Kearny and Teilmann Sts., Fresno, has submitted preliminary plans to Fresno County Farm Bureau for a concrete lined canal to bring surplus water of the Sacramento river into the San Joaquin Valley, using only one pumping plant and delivering water as far south as Shafter in Kern County. The proposed plans are a substitute for the use of the channel of the San Joaquin river as proposed by the State Department of Engineering. The Teilmann proposal involves the construction of a canal 90 miles long. Booster wheels would be utilized to make 5-ft. lifts.

CALIFORNIA—Following applications were filed during the month of January, 1930, with the State Department of Public Works, Division of Water Resources, Sacramento, for permits to appropriate water:

Permit 3421, Application 6255 (San Diego Co.) issued to Palomar Estates Ltd., Long Beach, for 1.25 c. f. s. from Nigger Creek for domestic use. Est. cost \$10,000.

Permit 3422, App. 6256 (San Diego Co.) issued to Palomar Estates Ltd., Long Beach, for 3.62 c. f. s. from Puma Creek for irrigation use on 917.5 acres. Est. cost \$115,000.

Permit 3423, App. 6427 (Siskiyou Co.) issued to Frank L. Cunningham, Happy Camp, for 3 c. f. s. from Oak Flat Creek, for power purposes. Est. cost \$5000.

Permit 3424, App. 6342 (Sierra Co.) issued to Marie E. Phelan, Sierra City, for 3 c. f. s. from Slug Canyon for mining use. Est. cost \$1000.

Permit 3425, App. 6452 (Ventura Co.) issued to Reginaldo Ruiz, Ojai, Calif., for 300 gallons per day from Two Unnamed Springs for domestic use. cost \$1000.

Permit 3426, App. 6375 (Los Angeles Co.) issued to H. H. Townsend, Beverly Hills, Calif., for 0.001 c. f. s. from Upright Spring for irrigation use on 60 acres.

Permit 3427, App. 6244 (El Dorado town, Calif., for 3 cubic feet per second from Little Otter Creek for mining use. Est. cost \$1000.

Permit 3428, App. 6466 (Inyo Co.) issued to American Potash & Chemical Corp., Trona, Calif., for 0.0544 c. f. s. from Christmas Spring for industrial and domestic use. Est. cost, \$4840.

Permit 3429, App. 6126 (Del Norte Co.) issued to Aller Placer Mines Taklima, Oregon, for 3 c. f. s. from East Fork of East Fork of Illinois River, for placer mining. Est. cost \$6000.

Permit 3430, App. 6292 (Siskiyou Co.) issued to Lomgroy Mining & Milling Co., Gottville, Calif., for 0.75 c. f. s. from Lumgroy Creek for mining and domestic purposes. Est. cost, \$500.

Permit 3431, App. 6464 (Mendocino Co.) issued to Thomas S. Van Vleet,

Turlock, Calif., for 0.45 c. f. s. from West Branch Russian River, for use for irrigation on 36.44 acres. Est. cost \$1000.

Permit 3432, App. 6379 (San Joaquin Co.) issued to Charley Jensen, Manteca, Calif., for 3.49 c. f. s. from unnamed channel for irrigation use on 279.3 acres. Est. cost \$4900.

Permit 3433, App. 6172 (Humboldt Co.) issued to Trinity Loop Mining Co., San Francisco, for 20 c. f. s. from Cedar Creek for mining use. Est. cost, \$3000.

Permit 3134, App. 6192 (Trinity Co.) issued to Trinity Loop Mining Co., San Francisco, for 10 c. f. s. from Hawkins Creek, for mining use. Est. cost \$10,000.

Permit 2435, App. 6208 (Humboldt Co.) issued to Trinity Loop Mining Co., San Francisco, for 10 c. f. s. from Grove Prairie Creek, for mining use. Est. cost \$10,000.

Permit 3436, App. 6326 (Humboldt Co.) issued to Trinity Loop Mining Co., San Francisco, for 15 c. f. s. from Horse Range Creek for mining use. Est. cost \$3000.

CALIFORNIA.—Following permits were granted during the month of January, 1930, by the State Department of Public Works, Division of Water Rights, authorizing the appropriation of waters:

Application 6521 (Ventura Co.) Geo. D. Hantgin, P. K. Hantzis and E. R. Schroff, care Sheridan, Orr, Drapeau & Gardner, attys., 1st National Bank & Gardner, attys., 1st National Bank unnamed spring, tributary to San Buenaventura river, for irrigation and domestic purposes. Est. cost \$2,500.

App. 6422 (San Joaquin Co.) Linden Irrigation District, care A. L. Cowell, Bank of America Bldg., Stockton, for 100,000 ac. ft. per annum from Calaveras river tributary to San Joaquin river, for irrigation and domestic purposes.

App. 6523 (Lassen Co.) Antone Avila, Bieber, Calif., for 4,200 ac. ft. per annum from Juniper river tributary to Pit river for irrigation purposes. Est. cost \$10,000.

App. 6524 (Humboldt Co.) F. A. Leach and F. D. Smith, Fortuna, Cal., for 0.54 c.f.s. from Zel river tributary to Pacific Ocean, for irrigation purposes. Est. cost \$200.

App. 6525 (Riverside Co.) F. Wm. Seggie, Star Route, Riverside, Calif., for 7100 g.p.d. from Butterfly Canyon Spring (underground water also to be developed) tributary to San Jacinto river, for domestic and irrigation purposes. Est. cost \$200.

App. 6526 (San Joaquin Co.) M. C. and C. A. Johnson, Rt. 1, Box 162, Escalon, San Joaquin Co., for 2 c.f.s. from Lone Tree Creek tributary to San Joaquin river, for agricultural purposes. Est. cost \$2,000.

App. 6527 (Sutter Co.) T. J. Cummins Ranch Co., care L. R. Bates, Box 148, Sacramento, for 5.98 c.f.s. from Sacramento river tributary to Suieun Bay, for irrigation purposes. Est. cost \$7,000.

App. 6528 (Mono Co.) N. M. Otis, 200 Juniper Bldg., Santa Monica, Calif.,

for 300 g.p.d. from unnamed spring, tributary to Mammoth creek and Owens river, for domestic purposes. Est. cost \$75.

App. 6529 (Placer Co.) Nevada Irrigation District, care Wm. Durbow, Mgr., Grass Valley, Calif., for 10 c.f.s. from Auburn Ravine.

App. 6530 (San Joaquin Co.) Smith-Riddell Co., Inc., Lodi, Calif., for 11.8 c.f.s. from Upland canal tributary to Sycamore slough. Est. cost \$13,500.

App. 6531 (Humboldt Co.) E. Lee Wright, 435 Buchanan St., San Francisco, Calif., 2 c.f.s. from Cinder Cap spring tributary to Buluff Creek, for power purposes. Est. cost \$1,500.

App. 6532 (Inyo Co.) H. W. White, Independence, Calif., for 1 g.p.m. from unnamed spring, for mining and domestic purposes. Est. cost \$10.

App. 6533 (Sutter Co.) A. M. Donahoe by A. H. Lydon, mgr. and agent, care Lawrence Schilling, Yuba City, for 1 c.f.s. from Feather river tributary to Sacramento river for irrigation purposes. Est. cost \$2,500.

App. 6534 (Sierra Co.) Washoe Co. Water Conservation Dist., care King & Malone, engineers and contractors, Reno, Nev., for 50,000 ac. ft. per annum from Little Truckee river tributary to Truckee river, for irrigation and domestic purposes.

App. 6536 (Lake Co.) Martin Judge Jr. & Co., Crocker 1st National Bank, San Francisco, for 175,000 ac. ft. per annum from North Fork of Cache Creek tributary to Cache Creek, for irrigation purposes. Est. cost \$1,000,000.

App. 6535 (Lake Co.) Martin Judge Jr. & Co., Crocker 1st National Bank, San Francisco, for 175,000 ac. ft. per annum from North Fork of Cache Creek tributary to Cache Creek, for industrial and domestic purposes. Est. cost \$3,000,000.

App. 6537 (Mono Co.) U. S. Inyo National Forest, Dept. of Agriculture, San Francisco, for 1000 g.p.d. from creek between Lake Mamie and Twin lakes, tributary to Mammoth creek and Owens river, for domestic purposes. Est. cost \$152.

App. 6538 (Mono Co.) U. S. Inyo National Forest, Dept. of Agriculture, San Francisco, for 8200 g.p.d. from Coldwater creek tributary to Mammoth creek and Owens river, for domestic purposes. Est. cost \$460.

App. 6539 (San Joaquin Co.) H. R. Russell, 426 Hackberry St., Modesto, for 3 c.f.s. from drainage through natural depression & drainage of waste ditch of Oakdale Irrigation District, tributary to Little John Creek, for irrigation purposes.

App. 6540 (Placer Co.) Mrs. Eva Harness and R. Langley, Loomis, Cal., for 0.26 c.f.s. from Secret Ravine tributary to Antelope Creek. Est. cost \$850.

App. 6541 (Tuolumne Co.) J. Brown, Chinese Camp, Calif., for 0.025 c.f.s. from Smarts gulch tributary to Woods creek and Tuolumne river. Est. cost \$555.

App. 6542 (Placer and Nevada Coas.) Bear River Water and Power Co., % J. L. Rolins, Colfax, Cal., for 110,020 ac. ft. per annum from Bear river and its tributaries, tributary to Feath-

er river, for power purposes. Est. cost \$2,500,000.

App. 6543 (Yuba Co.) W. J. Sanford, care Rich & Wels, attys., Hart Bldg., Marysville, for 1 c.f.s. from Dry creek tributary to Bear river, for irrigation and stock watering purposes. Est. cost \$3,500.

App. 6544 (Mendocino Co.) R. B. Flinn, care T. W. Firby, 827 Mills Bldg., San Francisco, for 0.025 c.f.s. from unnamed creek, tributary to Eel river for domestic purposes. Est. cost \$450.

App. 6545 (Tuolumne and Alpine Coas.) Emma Rose and Hobart Estates Co., operating as Utica Mining Co., care A. C. Wilson, 1508 Balfour Bldg., San Francisco, for 10,800 ac. ft. per annum from Highland Creek, tributary to N Fork of Stanislaus river, for power purposes.

App. 6546 (Yolo Co.) Karl Brehme, 1202 Hobart Bldg., San Francisco, for 200 c. f. s. and 200,000 ac. ft. per annum from Putah-Pope-Capell-Educera creeks tributary to Sacramento river.

STREET LIGHTING SYSTEMS

TRACY, San Joaquin Co., Calif.—City council declares intention (131) to install ornamental street lighting system, comprising 63 single light standards, together with underground system, in 11th St. bet. west boundary of West Park subdivision and East St. 1911 Act. Bond Act 1915. Hearing Feb. 25. George L. Frierichs, city clerk. E. T. A. Bartlett, city eng.

POMONA, Los Angeles Co., Calif.—City Engineer F. C. Froehde preparing plans for an ornamental lighting system in W 2nd St. bet. Garey Ave. and Hamilton Blvd.

SAN CLEMENTE, Los Angeles Co., Cal.—Until 7:30 P. M., March 5, bids will be received by the city council for 120 lighting poles and lighting units, the design to be furnished by the bidder. This is in connection with a 2-mile paving project on which bids are to be taken later. From these bids the city will select the design and secure a guaranteed price. The successful bidder will be required to sign a license agreement. W. A. Ayer, city engineer.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Wks, 3rd floor, City Hall, completes specifications to install ornamental street lighting system in Dolores St. bet. Market and 21st Sts.; estimated cost \$18,500. Project involves: 46 ornamental reinforced granite lighting standards; 92 lighting units complete, sockets, socket supports and globe holders; 92 6,000 lumen 20 amp. Mazda street series lamps; 46 6.6 amp. to 20 amp. series transformers; 46 concrete foundations for standards; 1,200 ft. 2½-in. black iron pipe conduit; 9,400 5,000 V. Single conductor No. 8 A. W. R. and L. C. armored cable; 600 volt single conductor No. 8 A. W. R. G. and L. C. stranded conductor. M. M. O'Shaughnessy, city engineer.

FRESNO, Fresno Co., Calif.—City Electrical Engineer George Bowman preparing plans for electrolier system in Merced St. bet. L and Divisadero St. and R St. bet. Merced and Divisadero Sts., a distance of 7 blocks; est. cost, \$15,000.

MACHINERY AND EQUIPMENT

LOS ANGELES, Cal.—Flisher-Ross-MacDonald-Kahn, Inc., awarded contract by Municipal Water and Power Bureau at \$54,000 to furnish two used model B "Bucyrus" straight electric shovels of 2-yd. capacity; Adv. 1231.

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ALAMEDA, Alameda Co., Cal.—City Council will call election after May 1 to vote on the proposal to establish a municipal bus system to operate in various sections of the city.

SAN ANSELMO, Marin Co., Cal.—Seagrave Co. at \$9000 awarded contract by town trustees to furnish 600-gal. pumper engine for Fire Dept.

DELANO, Kern Co., Calif.—Until March 3, 7:30 P. M., bids will be rec. by Scott G. Ladd, city clerk, to furnish motor truck for Municipal Water Dept. Alternative bids will be considered on a half-ton, one-ton and one and one-half ton truck or "pickup" complete. Further information obtainable from clerk.

ROSEVILLE, Placer Co., Cal.—Until March 4, bids will be received by county supervisors to furnish and deliver a motor grader for use on roads in Roseville-Lincoln District. Specifications obtainable from county clerk.

MADERA, Madera Co., Cal.—Until March 4, 10 A. M., bids will be rec. by L. W. Cooper, county clerk, to furnish f.o.b. Madera, three new fire truck chassis and equipment. Specifications obtainable from clerk.

SACRAMENTO, Cal.—Until Feb. 24, 5 P. M., bids will be received by Chas. C. Hughes, secretary, Board of Education, to furnish and deliver f.o.b. Sacramento, manual and vocational training equipment for School Departments. Certified check 10% payable to Board of Education required with bid. Spec. obtainable from Business Manager, Board of Education, Administration Bldg., 21st and L Sts., Sacramento.

OAKLAND, Calif.—City Port Commission rejects lone bid of Pacific Coast Engineering Co., Oakland, at \$8,498 for dredge hull and ladder pipe and new bids will be received Feb. 17, 4:30 P. M. Spec. obtainable from Port Commission, 424 Oakland Bank Bldg., Oakland.

SACRAMENTO, Cal.—See "Government Work and Supplies," this issue. Bids wanted for air driven caulking machine and air driven chipping hammer.

RAILROADS

SACRAMENTO, Calif.—Sacramento Northern Railroad, which has acquired the Sacramento Short Line and which now operates a through line of railroad from San Francisco and Oakland via Sacramento and Marysville to Colusa, Oroville and Chico, has an extensive program for improvements to road and equipment, as is indicated by the following schedule of principal items of its 1930 budget: Track improvements, \$460,000; additional track facilities, \$52,000; bridges and trestles, \$64,000; new equipment and improvement, \$103,000; station & other buildings, \$132,000; signals and safety devices, \$21,000.

STOCKTON, San Joaquin Co., Cal.—Tidewater Southern Railroad, operating from Stockton to Manteca, Escalon, Modesto, Turlock and Hilmar, will expend \$48,000 for rail renewal and ballasting; \$15,000 for other track improvements; \$1,700 for passing tracks; \$3,000 for bridges and \$5,000 for right of way fencing.

NEVADA STATE—Western Pacific Railroad, Mills Bldg., San Francisco, will expend in excess of \$1,000,000 in Nevada State during the current year. It is announced by G. I. Martin, general agent at Reno. Construction contemplated includes a \$47,000 brick

freight house at Reno and installation of a traveling crane. Bank widening and laying of heavier rails comprise the major items of expenditure. In the section bet. Winnemucca and Wells 110-lb. rail will be laid on 60 miles of track at a cost of \$612,000. Bank widening will be done on fifteen miles bet. Oroville and Las Plumas and on 137 miles bet. Reno Junction and Winnemucca in Nevada at an outlay of \$307,000, and on 93 miles bet. Wells, Nev., and Wendover, Utah, \$81,000. Rail will be renewed on 37 miles bet. Ellerbeck and Salt Lake City at a cost of \$398,000. Improvement of main line roadway and track comprises bank widening, ballasting and rail renewal. Ballasting of 47 miles of main line bet. Sacramento and Stockton, which was begun last fall, will be completed this spring at a cost of \$287,000. Ballasting will be done on 21 miles of track in the Feather River canyon at a cost of \$185,000, and also on 19 miles bet. Burnester and Delle, Utah, at a cost of \$104,000.

FIRE ALARM SYSTEMS

HILLSBOROUGH, San Mateo Co., Cal.—Town trustees will call election in April to vote bonds of \$25,000 to finance purchase of additional fire apparatus and equipment for the police department in addition to providing funds for additions to municipal structures.

SAN ANSELMO, Marin Co., Cal.—Gamewell Co. at \$6795 awarded contract by town trustees to construct extensions to fire alarm system.

FIRE EQUIPMENT

HUNTINGTON PARK, Los Angeles Co., Cal.—Until 8 P. M., Feb. 17, new bids will be received by the city council for furnishing a 1000-gallon capacity standard fire truck. All bids received January 20, were rejected.

LAKEPORT, Lake Co., Cal.—City trustees authorize Fire Chief T. V. Perron to purchase 400 ft. 2½-inch fire hose at cost of \$520, payable in installments.

MISCELLANEOUS SUPPLIES AND MATERIALS

SACRAMENTO, Cal.—Until Feb. 3, bids will be received by H. G. Denton, city clerk, to furnish city with fuel oil for the year 1930. Specifications on file in office of clerk.

ROSEVILLE, Placer Co., Cal.—City Clerk F. R. Chilton will ask bids at once to furnish city with gasoline and oil to be supplied for the year ending February 18, 1931. Further information obtainable from clerk.

RESERVOIRS AND DAMS

SAN DIEGO, Cal.—Plans and specifications for three important water projects have been presented to the city council by H. N. Savage, hydraulic engineer, with the recommendation that bids of the work be called for as soon as convenient. The three projects are as follows:

Raising the height of Morena dam and increasing capacity of the spillway. The estimated cost is \$70,000.

Enlargement of the Hodges dam spillway. The estimated cost is \$25,000.

Increasing capacity of the Lake Hodges-San Dieguito reservoir conduit. The estimated cost is \$20,000.

The Hodges spillway work was ordered by the state engineer as a safety precaution. It will be mainly rock removal and concrete replacement. The work on the conduit connecting Lake Hodges reservoir and San Dieguito reservoir is absolutely necessary, according to Savage, in order to take care of water needs next summer. This conduit originally constructed to carry 36 ft. a second but when put into actual operation was found to carry only 27 ft. a second. Repairs later further reduced the carrying capacity to 14 ft. a second.

GLENDALE, Los Angeles Co., Cal.—Orosel & Kitchen, 2143 Hyperion St., Los Angeles, submitted low bid to city council at \$35,540 to construct concrete reservoir in Brand Park, north of Mountain St. and west of Grand View Ave. extended. The proposed reservoir will have a capacity of 10,500,000 gallons, and be approximately 320x230 ft. by 30 ft. in length.

LAKEPORT, Lake Co., Cal.—City Engineer D. F. McIntire has submitted preliminary estimates to the city trustees for a new reservoir in connection with the water work system; reinforced concrete reservoir, 70 ft. dia. 12 ft. deep is contemplated; est. cost, \$2385 with concrete roof costing \$2000. Excavation work is estimated at \$600.

PIPE LINES, WELLS, ETC.

ROSEVILLE, Placer Co., Cal.—Engineer Raymond DeWitt, Chico, is preparing plans for Forest Oaks and Sierra Vista storm drain. Plans will be submitted to city council for approval shortly.

SANTA ROSA, Sonoma Co., Cal.—Pacific Gas & Electric Co. will extend gas line from Santa Rosa to Healdsburg, a distance of 16 miles, it is announced by W. W. Shuhaw, district manager for the company. It is planned to install a complete distributing system in Healdsburg, Windsor, Fulton and suburban areas. Approximately \$250,000 will be expended in the improvements.

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SAN FRANCISCO

LONG BEACH, Calif.—April 1 has been set as date for election in County Sanitation District No. 3 to vote on a \$3,400,000 bond issue for the construction of trunk lines and for the district's share in the outfall. This district includes Long Beach and Signal Hill.

ONTARIO, San Bernardino Co., Cal.—Until 8 P. M., Feb. 17, bids will be received by the city for digging a shaft, drilling a water well, setting casing, etc. Spec. on file at office of water superintendent. Cert. check or bond, 10%. D. B. Wynne, city clerk.

ONTARIO, San Bernardino Co., Cal.—Until 8 P. M., Feb. 17, bids will be received by the city to furnish double steel water well casing. Spec. on file at office of water superintendent. Cashier's check or bond, 10%. D. B. Wynne, city clerk.

SEWERS AND SEWAGE DISPOSAL PLANTS

MADERA, Madera Co., Calif.—City Engineer A. M. Acton making surveys for sewer facilities in the south section of the city not at present served, between the Southern Pacific main line tracks and the Madera Sugar Pine plant. Will involve approx. 15,000 feet of new sewer and would provide about 109 new connections.

CHICO, Butte Co., Calif.—Frank G. Veatch, state sanitary engineer, is conferring with city trustees regarding extension of city limits to include the Chapman and Chico Vecino suburbs, portions of which are badly in need of sanitation.

EL CAJON, San Diego Co., Cal.—W. D. Hall Co., El Cajon, was awarded contract by the city council at \$38,882 to construct a sewer system in the south side of Main St. through the city.

BAKERSFIELD, Kern Co., Cal.—Stroud Bros., Bakersfield, was awarded contract by city council at \$5865 to construct vitrified sewer system in rights-of-ways paralleling 30th St., 1 St., and certain alleys, involving 6-in., 8-in., 10-in., and 15-in. vitrified sewers, with manholes, wyes, etc. The system will be known as Sewer District No. 600. 1911 Act.

SANTA CLARA, Santa Clara Co., Cal.—Until February 17, 8 P. M., bids will be received by city council to construct storm sewers, manholes and catchbasins in various streets. Plans on file in office of clerk. Geo. Sullivan, city engineer.

LAS VEGAS, Nevad—Koebig & Koebig, engineers, Los Angeles, have

submitted estimated cost for a sewer system and sewage disposal plant; mains, \$126,536.40; disposal plant, \$59,000; engineering and supervision, \$15,885.28; advertising, etc., \$7,061.46. Taken under advisement.

WATER WORKS

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., Feb. 18, bids will be received by the city council to furnish 1200 ft. of water pipe. Plans obtainable from Salsburg, Bradshaw & Taylor, 745 Petroleum Securities Bldg., Los Angeles. B. J. Firminger, city clerk.

TULARE, Tulare Co., Cal.—City Engineer R. M. Berryhill preparing plans for additional well in connection with municipal water supply system in addition to replacement of mains in east section of city with larger mains.

REDWOOD CITY, San Mateo Co., Cal.—Until February 21, 7:30 P. M., bids will be received by J. D. Hedge, clerk, Sequola Union High School District, to furnish and install water softer. Certified check 10% payable to clerk required with bid. Specifications obtainable from clerk.

MANTECA, San Joaquin Co., Cal.—American Cast Iron Pipe Co., Balboa Bldg., San Francisco, at \$1516.29 awarded contract by city council to furnish 1750 ft. c. i. pipe with fittings for water extensions. Hydrotite for caulking will be furnished by the Industrial & Municipal Supply Co.

SAN ANSELMO, Marin Co., Cal.—M. Greenberg and Sons, San Francisco, awarded contract by town trustees to furnish and deliver fire hydrants; 2½-in. single outlet hydrant, \$30; 2½-in. double outlet hydrant, \$40.

ORLAND, Glenn Co., Calif.—Subdivision of a 10,000 acre tract adjoining the Orland project by the Western Development Corp., Ltd., of Los Angeles, said to be a \$5,000,000 concern, is contemplated. The land will be split into small sections and devoted largely to oranges, pecans, walnuts, alfalfa and dairying. There are a number of wells on the property and additional ones will be sunk and pumping plants installed.

GLENDAL, Los Angeles Co., Cal.—Until 10 A. M., Feb. 27, bids will be received by the city council for furnishing f. o. b. cars, Glendale, Calif.

Item 1—Synchronous supervisory equipment for the following operations: 37 breaker control units, one failure of D. C. on control bus unit, one door control unit, one alarm unit to be used with annunciator, one fire extinguisher pressure alarm unit.

Boards to be ebony asbestos, 96 in. high, lacquered black with glossy finish. Equipment to include necessary lighting arresters and cutouts. Bidders to submit bids for boards with dummy bus and arrangement, as shown on Ddg. 1359E. Alternate bids will be received on boards without dummy bus and units arranged by bidder. Bidders to submit bids for all positions specified above and state allowance if ten breaker control units (Dwg. 1359E) are omitted but space provided for future installation.

Item 1f—Remote metering equipment for two single phase voltmeters and two three-phase ammeters to be used in connection with Item 1. Bidders to submit drawings, specifications and delivery date of apparatus they propose to furnish.

Certified check, 10%. G. E. Chapman, city clerk. P. Diederich, plant superintendent.

SAN RAFAEL, Marin Co., Calif.—Directors of Marin Municipal Water District are considering plans for high level water system to supply lands of San Rafael Development Co., involving the construction of a pumping plant and pipe line to a 100,000-gal. capacity tank at an elevation of 500-ft.

LOS ANGELES, Cal.—Kimball-Krogh Pump Co. awarded contract by Los Angeles Water & Power Department at \$33,112 for eight deep well pumps and motors. Adv. 1275, provided equipment includes heavy type G. E. 6-pole, 950 R. P. M. (F T-557) motors.

OAKLAND, Cal.—Until February 19, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to construct and furnish 4000 lin. ft. ¼-in. thickness 20-inch diameter electric welded sheet steel pipe or 4000 lin. ft. Class B c. i. pipe and 5700 lin. ft. ¼-in. thickness 24-in. dia., electric welded steel pipe for distribution system. Specifications obtainable from above office.

See call for bids under official proposal section in this issue.

NEWHALL, Los Angeles Co., Cal.—Newhall Water Co., a corporation, has applied to the railroad commission for authority to acquire the so-called Newhall water system, operated by a copartnership consisting of A. B. and Marguerite Perkins, J. D. and Agnes K. O'Brien and to issue \$45,000 of common capital stock. It is proposed to issue \$26,000 of said stock in payment for the water properties, and to expend \$19,000 for the construction of additions and betterments.

PLAYGROUNDS & PARKS

SACRAMENTO, Calif.—H. H. Jaqueth, city planning engineer, in a report to the city council recommends the following work in connection with public park improvements: erection of a new clubhouse at McKinley Park; establishment of a neighborhood park in vicinity of 51st and J Sts.; construction of pleasure drive connecting outlying parks; erection of a clubhouse at Camp Sacramento; seek authorization of state fair officials to permit use of fair grounds for recreational purposes; install sprinkler system at Del Paso Park.

SALADA BEACH, San Mateo Co., Calif.—Education, Parks and Play-ground Committees of the San Francisco Board of Supervisors has recommended construction of a new municipal golf course in Sharp's Park, Salada Beach, as petitioned for by the

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Municipal Golfers' Association. The cost of the project is estimated at \$150,000.

SACRAMENTO, Cal.—Until Feb. 26, 10 A. M., bids will be received by Harry W. Hall, county clerk, to furnish and install shrubbery and plants fronting county hospital buildings. Certified check 10% payable to Chairman of Board of Supervisors required with bid. Spec. on file in office of County Engineer Chas. Deterding, Jr., Courthouse, Sacramento.

BERKELEY, Alameda Co., Calif.—Until Feb. 24, 11 A. M., bids will be received by Regents of the University of California, for (a) central heating plant building; (b) utility tunnel connection; and (c) combined proposals on items "a" and "b" on the University Campus. Plans obtainable from Cashier at California Hall, Berkeley, on deposit of \$100, on proposition A and \$25 deposit for plans on proposition B, both returnable.

See call for bids under official proposal section in this issue.

STREETS AND HIGHWAYS

SACRAMENTO, Calif.—City council declares intention (2296) to improve alley between W and X, Alhambra Blvd. and 32nd St., involving c. 1. drains; vit. pipe sewers; 1-in. water main connections; grading; hyd. concrete pavement. 1915 Bond Act, Hearing Feb. 27. H. G. Denton, city clerk. B. C. Clark, city engineer.

OAKLAND, Cal.—Until Feb. 17, 4:30 P. M., bids will be received by City Port Commission for paving in rear of 14th Street Wharf. Alternate bids will be taken for oil macadam paving, waterbound macadam paving and asphaltic concrete paving. Plans obtainable from above office.

SACRAMENTO, Cal.—City council contemplates opening and improvement of Y St., bet. Alhambra and Stockton Bldvs.; estimated cost, \$74,000 of which the city would pay \$18,000. Funds will probably be provided in the 1931 budget. B. C. Clark is city engineer.

SAN RAFAEL, Marin Co., Cal.—City Manager H. K. Brainerd preparing plans to pave with asphaltic concrete G street for its entire length and West End Ave. from G St. to Ida St. and Ida St. from West End Ave. to Fourth St.; also C street from Third St. to Wolfe Ave. and such side streets as the city engineer may determine with hydraulic concrete.

SANTA CRUZ, Santa Cruz Co., Cal.—Until February 17, 2:45 P. M., bids will be received by S. A. Evans, city clerk, (454-C) to improve portion of Main street involving cement concrete pavement, walks, curbs. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Roy Fowler, city engineer.

MILL VALLEY, Marin Co., Cal.—Until February 13, bids will be received by Will Falley, town clerk, to pave with hydraulic concrete approx. 14,000 sq. ft. of Circle avenue and Erato street; estimated cost \$4800. Certified check 10% payable to town required with bid. Plans obtainable from office of clerk. F. H. Lacy, town engineer.

OROVILLE, Butte Co., Cal.—County Surveyor A. Bunsamer preparing plans to surface with oil macadam the Lott and Mesa roads. Fifty-eight residents in the Durham district petitioned for the work.

HUMBOLDT COUNTY, Cal.—Until March 5, 2 P. M., bids will be received by State Highway Commission to grade and surface with untreated crushed gravel or stone, .4 miles between south boundary and Richardsson's Grove.

See call for bids under official proposal section in this issue.

SAN JOSE, Santa Clara Co., Cal.—Until February 17, 8 P. M., bids will be received by John J. Lynch, city clerk, (4741) to improve portions of north one-half of William St. bet. Coyote River bridge and 24th St., involving: grade; 3-in. asph. conc. base, 1½-in. asph. conc. surface pave; 4-in. vit. pipe house sewer laterals; cem. conc. walks; conc. curb and gutter; hyd. cem. culvert. 1911 Act.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city eng.

SAN JOSE, Santa Clara Co., Cal.—Until February 17, 8 P. M., bids will be received by John J. Lynch, city clerk, (4802) to imp. Third St. bet. Keyes & Humboldt Sts., involving: grade; 1½-in. asph. conc. surface pave. on 3-in. asph. conc. base; cem. concrete curbs, gutters, walks; vit. pipe house sewers; conc. driveways. 1911 Act.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city eng.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Proceedings have been started by the county supervisors for imp. in Assessment District No. 18, comprising streets in the Atascadero Colony, involving grading, paving, sidewalks, culverts, fire hydrants, etc. Chas. E. Watt is engineer for the work.

HAYWARD, Alameda Co., Cal.—County supervisors reject petition seeking closing of county road leading to Mission Peak, above Mission San Jose. Funds will be provided shortly to improve the roadway. Geo. Posey is county surveyor.

OROVILLE, Butte Co., Cal.—Western Roads Co., 1305 28th St., Oakland, at \$10,984.50 only bidder, awarded contract by city (499) to widen and improve Downer St. under Acq. and Imp. Dist. No. 4, involving re-grading; hyd. cem. conc. walls, curbs, gutters, retaining walls; c. l. drains; Warrenite-Bit. asph. conc. pave.

OROVILLE, Butte Co., Cal.—C. W. Wood, Stockton, at \$41,602.50 submitted low bid to city council to improve Sts. in Acq. and Imp. Dist. No. 3, including Washington Ave. bet. Yard St. and Oro Ave., etc., involving: (prices quoted are engineer's estimate) 13,300 cu. yds. grading-excavation, \$1 cu. yd.; 3000 cu. yds. grading-sewer excavation, \$1.25 cu. yd.; 132,000 sq. ft. 4-in. oil macadam pave, \$1.10 sq. ft.; 36,550 sq. ft. hyd. conc. sidewalks, \$.20 sq. ft.; 7260 lin. ft. hyd. conc. curb, \$.70 lin. ft.; 7000 lin. ft. hyd. conc. gutter, \$.60 lin. ft.; 3550 lin. ft. 6-in. conc. sewer pipe, \$.50 lin. ft.; 20 lin. ft. 12-in. do, \$.75 lin. ft.; 795 lin. ft. 16-in. do, \$.150 lin. ft.; 15 sewer manholes, \$100 each; 2 sewer lampholes, \$25 each; 13 c. l. sewer drains, \$18 each; 700 lin. ft. 8-in. corrugated iron culvert pipe, \$.25 lin. ft. A Teichert and Son, Sacramento, only other bidder at \$47,871. Bids under advisement until Friday Feb. 7.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Wks., completes plans to improve Vernon Ave. bet. Randolph and Sargeant Sts., involving 225 lin. ft. armored concrete curbs; 90 lin. ft. 6-in. ironstone pipe side sewers; 3,375 sq. ft. conc. pave. Est. cost \$2,500.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Wks., completes plans to improve crossing of Ralston Ave. and Shields St., involving 200 cu. yds. cut; 83 lin. ft. armored concrete curb; 30 lin. ft. 8-in. and 24 lin. ft. 12-in. V.C.P. sewers; 50 lin. ft. 10-in. V.C.P. culvert; 474 sq. ft. 1-course concrete sidewalks; one brick manhole; 2 brick catch-basins; 2,426 sq. ft. asph. conc. pave, 6-in. class F conc. base with 2-inch asph. conc. surf. Est. cost \$2,500.

COMPTON, Los Angeles Co., Cal.—Until 8 P. M., Feb. 18, bids will be received by the city council to pave streets west of Compton Ave. between Compton Ave. and the west city limits, Kemp St., Palmer St., Brazil St. and other streets, involving: 400,000 sq. ft. grading; 301,144 sq. ft. 5-in. conc. paving; 6215 ft. 6-in. cast iron water mains; 3510 ft. 4-in. cast iron water mains; 4890 ft. 1-in. copper services; 36 manholes to be lowered; 48 ft. curb 25 sq. ft. walk, 1911 Act. Glen Rood is city engineer.

SAN FRANCISCO.—Until February 19, 2:30 P. M., bids will be received by Board of Public Works to improve Clayton St. at Market St.; estimated cost, \$8,000. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from the Bureau of Engineers, 3rd floor, City Hall.

HERCULES, Contra Costa Co., Cal.—Peres and Gatto, Richmond, at approximately \$12,000 awarded contract by Hercules Power Co. for approx. 120,000 sq. ft. oil macadam pavement in connection with the company's plant.

SAN JOSE, Santa Clara Co., Cal.—City declares intention to improve Eighteenth St., between Jackson and Taylor Sts., involving grading; 1½-in. asph. conc. surface on 3-in. asphalt concrete base pavement; 4-in. vit. pipe house sewer laterals; cem. conc. sidewalks. 1911 Act, Bond Act 1915. Hearing February 24. Wm. Popp, city engineer. John J. Lynch, city clerk.

SAN JOSE, Santa Clara Co., Cal.—Until February 24, 8 P. M., bids will be received by John J. Lynch, city clerk, (4956) to improve 19th Street, between St. James and Washington Sts., involving 1½-in. asphalt concrete surface paving on 3-inch asphaltic concrete base; cem. conc. curbs and gutters, walks; vit. pipe house lateral sewers; 3 cem. conc. storm water inlets. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

PACIFIC GROVE, Monterey Co., Cal.—Clark & Henery Construction Co., Chancery Bldg., San Francisco, awarded contract by city council to improve 19th St., between Lighthouse Ave. and Junipero Ave., involving grading; cement concrete curbs and gutters; asphalt concrete pave; storm drains; vitrified clay sanitary lateral sewers.

TRACY, San Joaquin Co., Cal.—City council declares intention (130) to improve streets between East and West Sts. and the Southern Pacific R. R. and Eleventh St., involving grading; 4-in. cementing gravel pave on earth sub-grade with 3-in. asph. conc. base; concrete curbs, gutters; 4-in. vit. clay sewer pipe; ¾-in. galv. water service; cem. concrete sidewalks. 1911 Act. Bond Act 1915. Hearing Feb. 25. George L. Ferlichs, city clerk. E. T. A. Bartlett, city engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—County supervisors declare intention to improve portions of Bajada, Dalzura, Oledema, Tunitas, Juanita, San Jacinto, Rosario Ave., etc., under Assessment District No. 18, involving grading; Bitumulus surface pavement on waterbound macadam base; gravel shoulders; corr. iron pipe culverts; cem. concrete headwalls, and appurtenances welded iron water pipe, fittings and hydrants. Work under Improvement Bond Act of 1915. Hearing February 24. J. G. Driscoll, county clerk. Chas. E. Watt, engineer.

REDDING, Shasta Co., Cal.—County Surveyor Carl A. Mau is making surveys for a mile of new road in the vicinity of Pittville and McArthur on the north side of the Pit River.

SAN GABRIEL, Los Angeles Co., Cal.—March 4 has been set as protest date on the proposed \$100,000 Mission Drive widening and improvement project. The proposed work extends from Las Tunas Drive to the Southern Pacific tracks. Plans have been prepared by C. N. Wright, city engineer.

SANTA CRUZ, Santa Cruz Co., Calif.—County Surveyor Lloyd Bowman making survey for 6,300 ft. of new roadway, 40-ft. wide, from Carleton toward Watsonville, property owners having petitioned for the work.

SANTA BARBARA, Cal.—Western Motors Transfer Co., 116 State St., awarded contract by the city council at \$24,620.85 to improve Los Olivos St. bet. State St. and 12 ft. north of Santa Barbara St., etc., involving: asph. conc. pave., comb. curb and gutter, curb, conc. driveways, conc. curtain wall, vit. pipe sewer house connections, manholes, etc. 1911 Act.

PACIFIC GROVE, Monterey Co., Calif.—City Council declares intention (3162) to improve Gibson Ave. bet. Fountain Ave. and East City Limits, involving grading; cem. conc. curbs, gutters; 2½-in. asphaltic concrete pavement with 1½-in. asph. conc. surface; conc. catchbasin; storm drain. 1911 Act. Bond Act 1915. Hearing March 6. W. G. Stubbs, City Clerk.

FRESNO, Fresno Co., Calif.—Thompson Bros., Fresno, awarded contract by City Council to improve Inez St. bet. Huntington Blvd. and Ventura Ave., involving cem. conc. walks, \$16 sq. ft.; cem. conc. curbs, \$48 lin. ft.; 5-in. cem. conc. driveway approaches, \$.22 sq. ft.

SONORA, Tuolumne Co., Cal.—Until March 4, bids will be received by county supervisors to construct 1½-miles of road along Fuller-Longway road between Longway Ranch and Sonora-Mono road. The sum of \$5,000 is available in the budget for this work. Plans obtainable from County Surveyor Robt. Thom at Sonora.

SACRAMENTO, Cal.—Until Feb. 20, 5 P. M., bids will be received by H. G. Denton, city clerk, (2293) to improve alley bet. U and V, 25th and 26th Sts., involving c. i. drains with vit. sewer connections, construct vit. sewers; reconstruct manhole; grade; 1-in. water main connections; hyd. concrete paving. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. B. C. Clark, city engineer.

PACIFIC GROVE, Monterey Co., Calif.—City Council declares intention (3159) to improve Fountain Ave. bet. Lighthouse and Sinex Aves., involving grading; cem. conc. curbs, gutters; 2½-in. asph. conc. base, 1½-in. asph. conc. surface pavement; storm drains; 4-in. vit. clay pipe lateral sewers conc. catchbasin. 1911 Act. Bond Act 1915. Hearing March 6. W. G. Stubbs, City Clerk.

VENTURA, Ventura Co., Cal.—Until 11 A. M., March 4, bids will be received by the county supervisors to improve Grimes Canyon Road, about 3.2 miles. Cash Contract No. 659, involving: 27,000 cu. yds. excav.; 5000 cu. yds. class A conc. paving; 80 cu. yds. class A structural concrete; 338 expansion joints; 8200 lbs. dowels; 14 ft. 18-in. corr. iron pipe; 126 ft. 24-in. corr. iron pipe; 16 ft. 30-in. corr. iron pipe; 150 ft. 24-in. corrugated ½ round; 23,600 lbs. reinf. steel; 500 ft. E. M. rough redwood; 80 ft. guard rail, type B; 250 ft. relaying 18-in. and 24-in. corrugated pipe and flume. Plans obtainable from county surveyor, Chas. W. Pettit. Cert. check, 10%. L. E. Hallowell, county clerk.

SANTA ROSA, Sonoma Co., Cal.—J. V. Galbraith, P. O. Box 51, Petaluma, at \$12,910.20 awarded contract by county supervisors to grade 2½-miles of Hilton-Healdsburg highway.

SANTA ROSA, Sonoma Co., Cal.—J. V. Galbraith, P. O. Box 51, Petaluma, at \$31,608 awarded contract by county supervisors to pave Petaluma-Point Reyes Road, Section A, from Station 30+00 to county line in 2nd Supervisorial District, involving 2800 cu. yds. class A concrete paving; 5000 cu. yds. unclassified excavation; haul and place 100 ft. 12-in. and 100 ft. 15-in. corrugated pipe.

CARSON CITY, Nevada.—Coolidge and Scott, contractors on the highway from Paradise Hill to Orovida on the I. O. N. cut-off in Humboldt County, have advised the State Highway Commission that they are financially unable to continue the project. The contract was taken for \$46,000 and \$15,505 has already been advanced in progressive payments. Approximately \$22,000 worth of work is yet to be completed. The Fidelity and Deposit Co. of Maryland, bondsmen for the contractors to the extent of \$35,140, has advised the state highway department that they will provide an engineer to complete the contract.

HOLLISTER, San Benito Co., cal.—County Surveyor A. M. McCray preparing plans for permanent highway from Berger Place to the Stone Ranch on the road to the New Idria Mines.

OAKLAND, Cal.—J. H. Fitzmaurice, 354 Hobart St., Oakland, at \$0.157 sq. ft. awarded contract by city council to construct cement sidewalks in portions of 35th Ave., etc.

SUNNYVALE, Santa Clara Co., Calif.—City Council declares intention (304) to improve portions of McKinley Ave., Carroll St., Iowa Ave., etc., involving grading; 2-in. Warrenite-Bit surface pavement on 3-in. asph. conc. base; cem. conc. curbs, gutters, driveways; 4-in. cem. conc. pipe house sewer laterals; ¾-in. galv. water main service connections. 1911 Act. Bond Act 1915. Hearing Feb. 24. Ida Trub-schenck, City Clerk.

OFFICIAL PROPOSALS

ADVERTISEMENT FOR BIDS

Subject to conditions prescribed by the undersigned, sealed bids are invited for (a) The Central Heating Plant Building; (b) The Utility Tunnel Connection, and (c) combined proposals on items (a) and (b), on the campus of the University of California, Berkeley, California. No bids will be received after 11:00 A. M., Monday, February 24, 1930; the right to reject any and all bids is reserved. For full information apply at Cashier's Window, California Hall, University of California, Berkeley. A deposit of \$100.00 is required for each set of Drawings and Specifications for item (a), a deposit of \$25.00 is required for each set of Drawings and Specifications for item (b). THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on March 12, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

San Joaquin County (X-S-J-4-C), four reinforced concrete girder bridges between Lodi and Stockton, as follows:

Across Calaveras river, a bridge consisting of three 34-ft. spans.

Across Mosher creek, a bridge consisting of three 27-ft. spans.

Across Bear creek, a bridge consisting of three 30-ft. spans.

Across Live Oak creek, a bridge consisting of two 30-ft. spans.

San Joaquin County between Cherokee Station and Harney Lane (X-S-J-4-C), about six and nine-tenths (6.9) miles in length, to be graded and paved with Portland cement concrete.

Proposals forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed in-

formation concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS,
C. H. PURCELL,

State Highway Engineer.

**STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS**

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on March 5, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, on portions of State Highway, as follows:

Humboldt County, between Southerly Boundary and Richardson's Grove, (1-Hum-1-A), about one and four-tenths (1.4) miles in length, to be graded and surfaced with untreated crushed gravel or stone.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

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DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS,
C. H. PURCELL,

State Highway Engineer.
Dated February 5, 1930.

SAFEGUARDS AGAINST REDUCED WAGES IN NATIONAL BUILDING PROGRAM IS URGED BY STEWART

(By Ethelbert Stewart, U. S. Commissioner of Labor Statistics)

A nationwide building program is in the offing for 1930. Much of this will be public building, or construction work of various types, by Federal, State, county and municipal governments. It is being projected to provide work for the unemployed, or at least to take up the slack that has come or is feared as a result of our late Wall Street unpleasantness.

Meantime, let us see to it that public construction plans to relieve unemployment be not used to break down wage rates in the construction industry nor in any of its branches. A most dangerous situation arises at this time out of a general rule, held to be obligatory, that public contracts must be let to the lowest bidder. It is conceivable that this may render a needed and immediate remedy; really, and in the long run, a permanent injury.

When the lowest bid is such by reason of lower wages intended to be paid, then, socially, commercially and industrially, it may be the most expensive bid. If legislation is necessary to cure this evil we should have it and have it quickly. But is it absolutely necessary? Is it not practicable and legal to require that all bids shall state the rates of wages and hours of labor by occupations upon which the bid is predicated?

Then, if the lowest bid is so by reason of proposed low wages, it may be eliminated as an unsocial bid, contrary to the best public policy. The wage rates and labor conditions specified in the bid of the successful bidder would then be written into and made a part of the contract. This does not mean that wage rates would be uniform throughout the country. The bidder would be required to state the rates he intended to pay on the specific project and in the locality of the proposed project.

This would prevent in the future, and in the present unemployment uneasiness, the practices complained of before the House Committee on Labor at the last session, where it was shown that contracts to build Government structures in New York were let to firms that brought with them their labor from other States where the wage rate was much lower. It also was shown that these workers were brought from States having no workmen's compensation laws and did not know that in case of accidents arising out of and in course of their employment they were entitled to compensation benefits. The contractor took out no compensation insurance in the State of New York where the work was being performed.

It is easy to see what this alone would mean in the matter of bidding on work, since in structural steel erection, for instance, the premium rate in New York is 25 per cent of the pay roll, which means that with a wage rate of \$12 per day the insurance premium rate is \$3 per man per day. A contractor who did not intend to carry compensation insurance because he hired his men in noncompensator States could therefore very easily undercut a New York contractor who intended to abide by the law of the State.

An agreement to abide by the compensation law of the State in which the work is to be performed might well be made a part of the advertisement for bids and written into the

contract. This would not involve any hardship upon bidders, because of the diversity of wage rates in the various parts of the country. Any contractor desiring to bid on a job anywhere can secure without cost from the United States Bureau of Labor Statistics the local wage rates both for common labor and for the building trades in any State and for the principal cities in any State. He can secure from the same source the compensation provisions of any State having such legislation.

Precedents are at hand. This is the law in Spain, enacted in April, 1929. All public contracts must contain an agreement to pay the specific wage rates as published by the government as prevailing in given localities and by specified industries. The Argentine republic has passed such a law applying to the City and State of Buenos Aires. The State of Oregon provides that section 6718 of its code shall be written into all State contracts. This section while not covering wages nevertheless writes labor conditions into its contracts.

We need, perhaps, some legislation on the question of power to accept the best rather than necessarily the lowest bid. As matters now stand the Comptroller has ruled that the lowest bid must be accepted unless the bidder is known to be irresponsible. Unfortunately, it is not always true that the lowest and worst bidder is irresponsible, nor is it always true that the lowest bid is lowest because of the rates of wages intended to be paid.

It is evident, however, that what the governments of Federal, State, county, municipal—should stand for is the best bid from a broad social point of view, from the viewpoint of true public policy. The lowest bid theory puts the Government in the position of being a potent influence for the constant lowering of wages. The purpose and the practice of governmental bodies should be to forward the welfare and prosperity of the country—not, necessarily, to build a post office in Podunk for the least possible money.

If the present unemployment situation is used by our public building program, or any other agency or agencies, to break wage rates and reduce the earning power and hence the purchasing power of our workers then prosperity will not be restored, and an injury will be done to the workers which it will take years of strikes and labor conflicts to overcome. In fact, in the long run our building program will have done more harm than good.

President Hoover secured a promise from the leading industrial employers not to reduce wages as a result of the present situation; and yet under the compulsion to accept the lowest bid, it is entirely possible to make the Government itself the agency for smashing wage rates under the plea of giving work.

STEEL TONNAGE INCREASES

Unfilled tonnage of the United States Steel Corporation on January 31 amounted to 4,468,710 tons, an increase of 51,517 tons during the month. On December 31 the corporation's unfilled orders amounted to 4,417,195 tons, and on January 31, 1929, it was 4,109,487 tons.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
148	Arthurs	Dawson	20000
149	Apte	Owner	3000
150	Costello	Owner	7000
151	Heyman	Owner	7600
152	Heyman	Owner	7600
153	Hughes	Owner	4000
154	Janssen	Owner	4000
155	La Rocca	DeLuca	29500
156	Leavey	Fiengan	7000
157	McCarthy	Owner	7600
158	Rogers	Owner	4000
159	Barsi	Owner	7000
160	Berwick	Owner	3200
161	Castle	Horn	4500
162	Liuzza	Moore	1035
163	McKnight	Owner	4000
164	Raginat	Byrns	2400
165	Sattul	De Benedetti	14000
166	Meyer	Owner	4000
167	Ware	Owner	10000
168	Arata	Prentice	1400
169	Anderson	Owner	4000
170	Backman	Owner	4000
171	Caldewood	Thomas	1000
172	Cartman	Mallock	3000
173	Herzig	Owner	10000
174	Janssen	Owner	8000
175	Maloney	Union	4000
176	Meyer	Owner	4000
177	Schwartz	Owner	1200
178	Union	Owner	1600
179	Zukers	Steinberg	15000
180	Steinauer	Owner	7000
181	Kantrow	Muller	1775
182	Palmer	Ferguson	2500

RESIDENCE

(148) N CAMINO DEL MAR 73 W Sea Cliff; two-story and basement frame residence.
Owner—Dr. Elizabeth Arthurs.
Architect—W. C. Perry, 260 California Street.
Contractor—J. Dawson, 1507 Lincoln Street. \$20,000

DWELLING

(149) W CORA 241 S Visitacion; one-story and basement frame dwelling.
Owner—H. Apte, 287 Arleta.
Architect—None. \$3000

DWELLINGS

(150) W 17th AVE. 29 S Kirkham; two 1-story and basement frame dwellings.
Owner—M. Costello, 821 34th Ave.
Architect—None. each \$3500

DWELLINGS

(151) E DARTMOUTH 227 N Silver; two 1-story and basement frame dwellings.
Owner—Heyman Bros., 742 Market St.
Architect—None. each \$3800

DWELLINGS

(152) W DARTMOUTH 190 N Silver; two one-story and basement frame dwellings.
Owner—Heyman Bros., 742 Market St.
Architect—None. each \$3800

DWELLING

(153) W 21st AVE. 235 N Ortega; 1-story and basement frame dwelling.
Owner—Thos. Hughes, 505 O'Farrell.
Architect—None. \$4000

DWELLING

(154) E FIFTH AVE. 75 N Balboa; one-story and basement frame dwelling.

Owner—E. A. Janssen, 811 Hearst Building.
Architect—None. \$4000

APARTMENTS

(155) NE CHESTNUT & JONES; three-story and basement frame (8) apts.
Owner—A. La Rocca, 2360 Jones St.
Architect—L. Mastropasqua 508 Washington St.
Contractor—De Lucca & Son, 666 Mission St. \$29,500

DWELLINGS

(156) W SAN JOSE 150 N Lake View; two 1-story and basement frame dwellings.
Owner—Mrs. Ellen Leavey, 769 North Point.
Architect—None.
Contractor—Jas. Fiengan, 3344 Army Street. each \$3500

DWELLINGS

(157) W FUNSTON AVE. 175 S Kirkham St.; two 1-story and basement frame dwellings.
Owner and Builder—J. E. McCarthy, 1342 Funston Ave.
Architect—None. each \$3800

DWELLING

(158) S KIRKHAM 107 W 30th Ave.; one-story and basement frame dwelling.
Owner—J. W. Rogers, 1695 21st Ave.
Architect—None. \$4000

DWELLING

(159) NW MOSCOW 300 SW Excel-sior; 1-story and basement frame dwelling.
Owner and Builder—V. Barsi, 320 Harriet Street.
Architect—None. \$7000

DWELLINGS

(160) W LYELL 225 N Ganza St.; two 1-story and basement frame dwellings.
Owner—A. Berwick, 1525 Noe St.
Architect—None. \$3200

DWELLING

(161) W APTOS AVE. 115 S Upland Drive; one-story and basement frame dwelling.
Owner—Castle Bldg. Co., 830 Market Street.
Architect—None.
Contractor—H. Horn, 830 Market St. \$4500

ALTERATIONS & ADDITIONS

(162) 55 RETIRO WAY; alterations and additions to dwelling.
Owner—L. P. Liuzza, 55 Retiro Way.

Architect—B. C. Corbett, 1720 Pacific Avenue.
Contractor—Moore and Madsen, 557 Market St. \$1035

DWELLING

(163) SW COR. BOSWORTH AND Burnside; one-story and basement frame dwelling.
Owner—W. R. McKnight, 1001 Bosworth.
Architect—None. \$4000

DWELLING

(164) W DUNCAN 70 N Guerrero; 1-story and basement frame dwelling.
Owner—T. Reginat, 102 Duncan.
Architect—None.
Contractor—W. Byrne, 1467A Dolores Street. \$2400

APARTMENTS

(165) E HOWARD 205 S 19th St.; 2-story and basement frame (3) apartments.
Owner—R. E. Sattul, 2465 Howard St.
Plans by C. M. Baker, 155 Montgomery Street.
Contractor—A. De Benedetti, 22 Cotta Street. \$14,000

DWELLING

(166) N EVELYN 216 W Teresita; One-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr., San Francisco.
Plans by Owner. \$4000

APARTMENTS

(167) S OCEAN AVE. 75 E Jules; One-story and basement frame (4) apartments and stores.
Owner—A. Ware, 893 Union St., San Francisco.
Architect—None. \$10,000

SERVICE STATIONS

(168) SE COR. SAN JOSE AVE. and Dolores St.; two 1-story concrete service stations.
Owner—P. Arata, 415 Delano Ave.
Architect—None.
Contractor—George D. Prentice, 2063 Webster St., Oakland. \$1400

DWELLING

(169) W 25th AVE. 200 N Santiago; one-story and basement frame dwelling.
Owner—N. W. Anderson, 2427 24th Avenue.
Architect—None. \$4000

DWELLING

(170) W BRIGHT 265 S Holloway; one-story and basement frame dwelling.
Owner—E. B. Backman, 577 Bright St.
Architect—None. \$4000

ALTERATIONS

(171) E 26th AVE. 250 N California; raise dwelling, re-roof, etc.
Owner—A. D. Calderwood, 350 26th Avenue.
Architect—None.
Contractor—J. C. Thomas, 452 42nd Avenue. \$1000

REPAIRS

(172) 639 VAN NESS AVE., repair fire damage.
Owner—Cartman Tire Co., 639 Van Ness Ave.
Architect—None.
Contractor—J. S. Mallock, 666 Mission Street. \$3000

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

DWELLINGS

(173) N DARIEN WAY 285 W San Alejo; two 1-story and basement frame dwellings.
Owner—A. J. Herzig, 635 Victoria.
Plans by D. E. Jaekle, Call Bldg.
each \$5000

FLATS

(174) E PIERCE 107 N Capra Way; two-story and basement frame (2) flats.
Owner—E. A. Janssen, 811 Hearst Building.
Architect—None. \$8000

SUPPLY STATION

(175) SE COR. 28th AVE. and Judah St.; one-story concrete auto supply station.
Owner—Mrs. N. Maloney, 3532 20th Avenue.
Architect and Contractor—Union Oil Co., of California, 1071 Mills Bldg.
\$4000

DWELLING

(176) N EVELYN 216 W Teresita; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Plans by Owner. \$4000

DWELLING

(177) 176 PEABODY; 1-story frame dwelling.
Owner—C. Schwartz, 176 Peabody.
Architect—None. \$1200

ADDITIONS

(178) 1198 EVANS AVE.; additions to talow works.
Owner—Union Products Corp., 1198 Evans Ave.
Architect—None. \$1600

ALTERATIONS

(179) 923 MARKET ST.; alter store front; add to building.
Owner—Zukor's, 923 Market St.
Architect—N. B. Mears, care Mullen Mfg. Co.
Contractor—A. Steinberg, Ambassador Hotel, San Francisco. \$15,000

DWELLING

(180) S CERVANTES 41 SE Prado; two-story and basement frame dwelling.
Owner—S. Stelnauer, 755 27th Ave.
Architect—None. \$7000

ALTERATIONS

(181) N MARKET 150 W Mason; alterations to store front.
Owner—A. Kantrow, 964 Market St.
Architect—None.
Contractor—A. G. J. Muller, 243 7th Street. \$1775

ALTERATIONS

(182) 511 JONES ST.; alterations to store and restaurant.
Owner—P. E. Palmer, 37 West Clay.
Architect—None.
Contractor—Ferguson and Son, 1739 Union St. \$2500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
37	O'Connor	Christenson	4683
38	Jacobs	Hamill	4600
39	Liuza	Moore	1035
40	Shell	Ornamental	32945

BUILDING

(37) W 27th AVE. 225 S Rivera St. 25x120; all work on 1-story frame building.
Owner—C. M. O'Connor.
Plans by Owner.
Contractor—H. Christenson.
Filed Feb. 6, '30. Dated Feb. 3, '30.
Rough frame up \$1172
Brown coated 1172
Completion 1172

Usual 35 days. 1172
TOTAL COST, \$4688
Forfeit, \$1. Limit, 100 days. Spec. filed.

COTTAGE

(38) W ARGUELLO BLVD. 160 S Geary St. S 25 x W 120; all work on 1-story and basement cottage.
Owners—B. and E. Jacobs.
Architect—None.
Contractor—Thos. Hamill, Inc., 6242 Geary St.
Filed Feb. 7, '30. Dated Feb. 1, '30.
Rough frame up \$1100
Brown coated 1200
Completed 1200
Usual 35 days. 1100
TOTAL COST, \$4600
Limit, 90 days.

ALTERATIONS

(39) 55 RETIRO WAY; new front entrance, porch and steps.
Owner—L. P. Luzzza, 55 Retiro Way.
Architect—B. C. Corbett, 1720 Pacific Avenue.
Contractor—Moore and Madsen, 557 Market St.
Filed and Dated Feb. 7, 1930.
Steps and railing in place. \$350
Completed 426
Usual 35 days. 259
TOTAL COST, \$1035
Plans and Spec. filed.

BRONZE & IRON WORK

(40) N BUSH AND W BATTERY N 137-6 W 137-6 S 57-6 E 20 S 80 E 117-6; ornamental bronze and iron work.
Owner—Shell Oil Co.
Architect—Geo. H. Kelham, 315 Montgomery St.
Contractor—California Artistic Metal & Wire Co., 349 7th St.
Filed Feb. 7, '30. Dated Dec. 27, '29.
Tenth of month. 75%
Usual 35 days. 25%
TOTAL COST, \$32,945
Bond, \$16,472.50. Sureties, N. Y. Indemnity Co. Limit, April 1, 1930. Plans and Spec. filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Feb. 6, 1930—NW MARGARET AVE
SW Lakeview Ave, NW 25x
SW 75. J E Collins to whom it
may concern. February 5, 1930
Feb. 6, 1930—W PLYMOUTH AVE,
73 N Broad, W 105xN 52; William
A Reiter to whom it may concern.
February 6, 1930
Feb. 6, 1930—LOT 17, BLK 2, St.
Francis Wd Extn No. 1; Anthony
S and Dorothy A Devoto to H Pa-
penhausen. February 3, 1930
Feb. 6, 1930—SW COR PINE & SAN
some; The San Francisco Stock
and Bond Exchange to Lindgren
& Swinerton, Inc. February 1, 1930
Feb. 6, 1930—E CLAYTON 87-6 N
Haight N 25xE 100. H T and F
Freitas to Cliff G Willington.
January 29, 1930
Feb. 4, 1930—W DIAMOND 58 N
26th N 31xW 80 known as 1188
Diamond St. Margaret Johnson to
J H Payne. January 28, 1930
Feb. 5, 1930—S BAY 55-6, W Baker
26 and 93. Carl Riedon to Riedon
Bros. February 5, 1930
Feb. 5, 1930—E 18TH AVE 225 N
Rivera N 25xE 120. W J Spillane
February 1, 1930
Feb. 5, 1930—S 16TH ST 130 E Fol-
som E 104xS 165. Reliance Trailer
& Truck Co to R H Harms.
February 4, 1930
Feb. 5, 1930—W BRIGHTON AVE
225 S Grafton Ave. L Busterne
to H Erickson. February 5, 1930
Feb. 6, 1930—COMG AT PT 534 N
85°, 40' E from E Georgia & N
Humboldt, N 4°, 20' W 85 E 60 S

85. P G & E to Ray Oil Burner
Co. January 29, 1930
Feb. 5, 1930—COMG AT PT 560 N
85° 40' E 162 N 4°, 20' W of N
Humboldt & E Georgia N 4°, 20'
W 84 E 41 S 84 W 41. P G & E
to Ray Oil Burner Co. January 29, 1930
Feb. 5, 1930—BLK BOUNDED BY
18th, 19th, Shattuck & Polson Sta.
P G & E to United Commercial
Co. February 5, 1930
Feb. 8, 1930—NW LIPPARD 133-96
NE Bosworth, 72 and 76 Lippard
St. V Bjorkman to whom it may
concern. February 7, 1930
Feb. 8, 1930—E DOLORES 181 West
16th W 33-4 E 195-5 m or l to E
line ppty desc'd in Special Court
Case No 3934 National Ice Cream
Co vs all persons S alg last line
33-10 m or l to inter of line drawn
E at right angles to E Dolores
fr pt beg W 201-3 m or l to beg.
Wm H, Thomas R and Catherine
F Libby to J A Grant. February 7, 1930
Feb. 8, 1930—W MALLORCA WAY
105 S Beach St. 27-6x95. E and F
Fisette to Standard Bldg Co. February 5, 1930
Feb. 7, 1930—E 15th AVE 50 N Vi-
cente St 25x100. G J Elkington &
Sons to whom it may concern. February 7, 1930
Feb. 7, 1930—NW MADRID 150 SW
Italy Ave 25x100. Arthur Wil-
liams to whom it may concern. February 7, 1930
Feb. 7, 1930—N CHESTNUT 154-9
E Grant Ave E 40 x N 137-6-20
Chestnut St. G Cuneo to R Po-
liotti. February 5, 1930
Feb. 7, 1930—SW CLEMENT AND
43rd Ave S 49-8 x W 120. Con-
dit & Maxam to whom it may
concern. February 7, 1930
Feb. 10, 1930—N HOLLISTER AVE
275 E Hawes 25x100. Franz
Heinzen to whom it may concern.
February 10, 1930
Feb. 10, 1930—SW PINEHURST
Way dist thereon 11,426 NE from
SW line lot 23 blk 3278 running S
61° 56' E 59,578 to SE line said lot
23 NE alg last line 45,254 to SW
Kenwood Way NW 55 th alg arc
of curve to left with radius of 25
dist 32,012 SW alg Pinehurst Way
5,547 to beg. Gordon W. Morris
to whom it may concern. February 10, 1930
Feb. 10, 1930—NE HOLLISTER AVE
50 NW Jennings NW 25 x NE 100
lot 39 blk 550 Bay View Tract.
Leon Lafon to Ernest Lombardi. February 10, 1930
Feb. 10, 1930—W 28th 80 W N W
34 x N 101-6; NW 28th and Noe
N 25 x W 80. Lon and Stella
Malley to whom it may concern. February 8, 1930

LIENS FILED

SAN FRANCISCO COUNTY

Feb. 5, 1930—S MARKET 150 W 7th
W 75 x S 165. Harry C Toumey
vs Baldwin Inv Co, Bay Counties
Const Co. \$390.59
Feb. 5, 1930—W DIAMOND 58 N
26th N 31 x W 80. J Reilly vs L
A Johnson and Greater City Lbr
Company. \$77.50
Feb. 5, 1930—W DIVISADERO 82-6
S Geary S 27-13 x W 80. Thos
Garfield vs T F T. \$370
Feb. 5, 1930—S NEY 75 W Grant
Ave W 25 x S 100. A L Stockton
Lumber Co vs R N Gibson and
Nellie Escobar. \$392.76
Feb. 7, 1930—S ORTEGA 95 W 8th
Ave W 25 x S 100. E W Wright
& Co. \$74.15; San Bruno Terrazzo
Co. \$61; S W Band. \$48; Coop-
er Electric Co. \$23; Pacific Heat-
ing Co. \$40; S F Glass Co. \$43.50;
Bode Gravel Co. \$78.32; M E Jack-
son as G B Jackson & Son, \$45.00
vs Thos Hughes and J G Lehman
Feb. 7, 1930—E SCOTT 75 S Ellis S
25-5 x E 90. Wm Lynch vs Max

and Oscar Papper and F M Mannix	\$97.20
Feb. 7, 1930—E SCOTT 75 S Ellis S 25-5 x E 90. F M Mannix vs Max and Oscar Papper	
Feb. 7, 1930—SE ELLIS & SCOTT E 70 x S 75. F M Mannix vs Max and Oscar Papper	\$25
Feb. 10, 1930—SE IRVING and 26th Ave E 57-6 x S 100. T P Hogan Co vs J M Johnson	\$3513.42
Feb. 10, 1930—S NEY 75 W Court W 25 x S 85 known as 78 Ney St. Atlas Heating & Ventilating Co, Inc \$18; M Denike \$4250; The Light Shop, \$70; 1 Battaglia, \$205; C L Guenneo, \$140; Square Deal Floor Co, \$165; Davidson & Son, \$23.50, vs R N Gibson and Nellie P Escobar	
Feb. 10, 1930—S IRVING and E 26th Ave S 100 x E 57-6. F W and Bert Banks as Banks Wrecking Co vs E and J H Johnson	\$90
Feb. 10, 1930—W VERNON ST 175 S Sargent St S 50 x W 100. Mallett & Peterson vs B A Falmes as Falmes Const Co and Geo Schoff	\$105
Feb. 10, 1930—455-457 26th AVE. Selva Bros vs Rosa A Guzman	\$112.35

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded	Amount
Feb. 6, 1930—NW SACRAMENTO and Baker N 25-8½xW 102-6. S F Lumber Co to L J and G A Diebel	\$150
Feb. 4, 1930—LOT 21 BLK 1, Sub No. 1, Castro St. Addn. W B Jefferson (as The Greater City Lumber Co) to Joseph Zgragen and Walter W and Christian Everton	\$681.75
Feb. 4, 1930—N CLEMENT St. 50 E Thirtieth Ave E 19xN 25. Eureka Sash, Door & Moulding Mills; Scott Co, Inc and J H McCallum to Thomas Hamill Bldg Co and A J Diamond	
Feb. 7, 1930—E CHURCH ST 76-6 S Jersey 25x114. A Cook to L E and M Derre and N P Johnson	
Feb. 7, 1930—S GOLDEN GATE Ave 55 W Broderick W 41-3 x S 100. Raphael and Cyrel Zelinsky and A N Brown as Raphael Co to Bank of America of California, E H and M F Markwart, E and E Palmuth, M and M Wieman, City Title Ins Co and A and C Silverstine	
Feb. 7, 1930—W WATERVILLE 225 S Helena S 50 x W 100, lots 376-377 Silver Terrace Hd Assn. New Mission Hardwood Floor Co; Pacific Mill & Lumber Co; Christopher Nielson to whom it may concern (three releases)	
Feb. 10, 1930—N CHESTNUT 88-9 E Divisadero E 105 x N 137-6. H F Carter to Louis R Anderson, Joe B Keenan	
Feb. 10, 1930—W 32nd Ave 200 N Kirkham N 50 x W 120 lot 11 Assessor's Blk 1821 New. Chas L Harney to Kathryn McGough	
Feb. 10, 1930—W 27th Ave 200 N Moraga N 25 x W 120. John Johnson as Jack Johnson Roofing Co to John L Hardman	
Feb. 10, 1930—W 27th Ave 175 N Moraga N 25 x W 120. John Johnson as Jack Johnson Roofing Co to whom it may concern	

BUILDING PERMITS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
116	Bowman	Owner	1250
117	Still	Owner	1500
118	Stagg	Owner	4000
119	Trimlett	Owner	4050
120	Jepson	Lassing	10000
121	Auer	Henning	90000
122	Johnson	Owner	6100

123	Lincoln	Owner	5900
124	Conroy	Owner	—
125	Cosmopolitan	Owner	2000
126	Leimert	Reimers	5000
127	Passur	Owner	1500
128	Standard	Owen	7000
129	Harrison	Thorp	1700
130	Jordan	Kendall	3000
131	Gray	Croll	5000
132	Leonardo	Owner	3550
133	Stromberg	Owner	8000
134	Carpenter	Owner	1000
135	Hundemar	McKerry	4500
136	American	Herrman	2000
137	Bardwell	Owner	7500
138	Berg	Owner	4000
139	Fraga	Anderson	3000
140	Firestone	Palge	59550
141	Roseberg	Owner	2900
142	French	French	3200
143	Froehlich	Williams	18000
144	Lorenzen	Jensen	1000

ALTERATIONS

(116)	NO. 1306-1308 MILVIA S., Berkeley. Alterations.	
Owner—	Maurice Bowman, 1216 Milvia St., Berkeley.	
Architect—	None.	\$1250

ALTERATIONS

(117)	NO. 1916 GRANT ST., Berkeley Alterations.	
Owner—	Waina Still, 1755 Berkeley Way, Berkeley.	
Architect—	None.	\$1500

DWELLING & STORE

(118)	NW COR. 35th & PAXTON Aves., Oakland; two-story 6-room dwelling and store.	
Owner and Builder—	J. L. Stagg, 2170 35th Ave., Oakland.	
Architect—	None.	\$4000

DWELLING & GARAGE

(119)	N FLEMING AVE., 160 E High St., Oakland; one-story five-room dwelling and 1-story garage.	
Owner and Builder—	R. Trimlett, 4330 Fleming Ave., Oakland.	
Architect—	None.	\$4050

RESIDENCE

(120)	9 MOSSWOOD ROAD, Berkeley; two-story 6-room frame and stucco residence.	
Owner—	W. L. Jepson, 11 Mosswood Road, Berkeley.	
Architect—	Miss Julia Morgan, Merchants' Exchange Bldg., S. F.	
Contractor—	T. S. Lassing, 47 Canyon Road, Berkeley.	\$10,000

APARTMENTS

(121)	NO. 2514-16 PIEDMONT AVE., Berkeley. Two three-story 53-room, 15-family apartments.	
Owner—	George Auer, 5249 College Ave., Oakland.	
Architect—	Ernest Flores, 819 Chanlore St., Richmond.	
Contractor—	K. J. Henning, 540 Alcatraz Ave., Oakland.	\$45,000 each

DWELLING

(122)	NO. 4801 ALLENDALE AVE., Oakland. One-story 7-room dwelling and one-story garage.	
Owner—	K. A. Johnson, 2832 76th Ave., Oakland.	
Architect—	None.	\$5100

DWELLINGS

(123)	E EIGHTY-EIGHTH AVE. 100 140 S Dowling t., Oakland. Two one-story 5-room dwellings.	
Owner—	A. G. Lincoln, 514 Estudillo Ave., San Leandro.	
Architect—	None.	\$2950 ea

DWELLING

(124)	NO. 10132 VOLTAIRE ST., Oakland. One-story 2-room dwelling.	
Owner—	A. Conroy, 928 Grove St., Oakland.	
Architect—	None.	Omitted

(125)	NW E-TWENTY-SECOND ST. and Twenty-fifth Ave., Oakland. Alterations and repairs.	
Owner—	Cosmopolitan Mutual Bldg. & Loan Co., 12th and Webster Sts., Oakland.	
Architect—	None.	\$2000

OFFICE BLDG.

(126)	SE TRESTLE GLEN AND Wesley Ave., Oakland. Two-story 4-room office building.	
Owner—	Harry Leimert, Syndicate Bldg., Oakland.	
Architect—	Ray Keefer.	
Contractor—	I. H. Reimers, 745 Walla Vista Ave., Oakland.	\$5000

DWELLING

(127)	NO. 2253 THIRTY-NINTH AVE (rear), Oakland. One-story three-room dwelling.	
Owner—	Norman Fassur, 2253 39th Ave., Oakland.	
Architect—	None.	\$1500

MACHINE SHOP

(128)	E MARKET ST. 75 S Alicia, Oakland. One-story brick and tile machine shoy.	
Owner—	Standard Creamery, 2443 San Pablo Ave., Oakland.	
Architect—	None.	
Contractor—	W. K. Owen, 3145 Pleitner Ave., Oakland.	\$7000

ADDITION

(129)	1623 CLINTON AVE., Alameda; additions to present home.	
Owner—	A. D. Harrison, 1623 Clinton Ave., Alameda.	
Architect—	None.	
Contractor—	V. E. Thorp, 1717 Alameda Ave., Alameda.	\$1700

ALTERATIONS

(130)	1705 SAN ANTONIO AVE., Alameda; alterations.	
Owner—	Mrs. P. Jordon, 1100 Grand St., Alameda.	
Architect—	None.	
Contractor—	A. R. Kendall, 2110 San Jose Ave., Alameda.	\$3000

DWELLING

(131)	E GRANADA ST. 20 N Marguerita, Oakland; 1½-story six-room dwelling.	
Owner—	N. S. Gray, 3010 14th Ave., Oakland.	
Architect—	None.	
Contractor—	W. A. Croll, 5851 Brann St., Oakland.	\$5000

DWELLING

(132)	1702 E 22nd ST., Oakland; 1-story 5-room dwelling and 1-story garage.	
Owner and Builder—	F. J. Leonardo, 1462 86th Ave., Oakland.	
Architect—	None.	\$3950

DWELLING

(133)	663 CARLSTON AVE., Oakland; two-story 7-room dwelling.	
Owner and Builder—	D. Stromberg, 2449 Mt. Blvd., Oakland.	
Architect—	None.	\$8000

GARAGE

(134)	NO. 2555 VIRGINIA ST., Berkeley. Garage.	
Owner—	Mrs. Carpenter.	
Architect—	None.	\$1000

RESIDENCE

(135)	NO. 1233 WALNUT ST., Berkeley. One-story 6-room frame residence.	
Owner—	W. Hundemar, 1417 Central Ave., Oakland.	
Architect—	None.	
Contractor—	McKerry & Singer, 5829 Marshall St., Oakland.	\$4500

ALTERATIONS

(136)	9537 E 14th ST., Oakland; alterations.	
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Owner—American Trust Co., 464 California St., San Francisco.
 Architect—None.
 Contractor—A. H. Herrman, 464 California St., San Francisco.

\$2,000

DWELLING

(137) 869 PORTAL AVE., Oakland; two-story 7-room dwelling.
 Owner and Builder—C. E. Bardwell, Jr., 794 Lerida Ave., Oakland.
 Architect—None.

\$7500

DWELLING

(138) 4157 MONTEREY BLVD.; one-story 6-room dwelling.
 Owner and Builder—A. M. Berg, 3854 Midvale Ave., Oakland.
 Architect—None.

\$4000

GARAGE

(139) NE COR. 29th AVE. and Chapman St., Oakland; one-story brick garage.
 Owner—Fraga & Ramos, 616 29th Ave., Oakland.
 Contractor—Walter Anderson, 1014 Doris St., Alameda.

\$3000

SERVICE STATION

(140) SE COR. 30th & BROADWAY, Oakland; one-story concrete and tile service station.
 Owner—Firestone Tire & Rubber Co., Los Angeles.
 Architect—C. W. McCall, 1404 Franklin St., Oakland.
 Contractor—Harold L. Paige, 5651 Oak Grove Ave., Oakland.

\$59,650

DWELLING

(141) S SUNNYSIDE ST. 169 W 94th Ave., Oakland; one-story 5-room dwelling.
 Owner and Builder—August Roseberg, 1712 48th Ave., Oakland.
 Architect—None.

\$2900

RESIDENCE

(142) 550 COLUSA AVE., Berkeley; one-story 6-room 1-family frame residence.
 Owner—Marie E. French, 1740 Walnut St., Berkeley.
 Architect—None.
 Contractor—O. M. French.

\$3200

RESIDENCE

(143) 160 ESTATES DR., Piedmont; two-story 11-room frame residence and garage.
 Owner—Pearl D. Froehlich, end Indian Way.
 Architect—Williams and Wastell, 374 17th St., Oakland.
 Contractor—H. E. Williams, 1615 Trestle Glen Road.

\$18,000

ALTERATIONS

(144) 28 MESA AVE., Piedmont; alterations.
 Owner—H. Lorenzen, 28 Mesa Ave., Piedmont.
 Architect—None.
 Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

\$1000

BUILDING CONTRACTS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
38	Robertson	Warn	
39	Firestone	Paige	59650

REMODELING

(38) 943 53rd ST., Oakland; remodel home.
 Owner—Louise Robertson, premises.
 Plans by Contractors.
 Contractor—G. C. and F. E. Warn, as Warn Bros., San Leandro.
 Filed Feb. 10; Dated Feb. 7, 1930.
 Payments based on per centage agreed upon.
 Total Cost not given.
 Limit, 60 days.

SALES & SERVICE BLDG.

(39) SE 30th and BROADWAY, Oak-

land; general construction on sales and service building.

Owner—Firestone Tire & Rubber Co., Los Angeles.
 Architect—Charles W. McCall, 1404 Franklin St., Oakland.
 Contractor—Harold L. Paige, 5651 Oak Grove Ave., Oakland.
 Filed Feb. 10, '30. Dated Jan. 29, '30
 Fifteenth of each month.....75%
 Usual 35 days.....Balance

TOTAL COST, \$59,650.98
 Bond, \$59,650.98. Surety, Fidelity & Deposit Co. of Maryland. Limit, 95 days. Plans and Spec. filed. Permit applied for.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded	Accepted
Feb. 6, 1930—LOTS 14, 15 and 16 Blk 23, Map No 6 of Regents Park, Albany. Tony Rigollo to whom it may concern.....February 5, 1930	
Feb. 6, 1930—1021 RAMONA S. Albany. Celestus Kay Lockwood to E M Williamson.....February 3, 1930	
Feb. 6, 1930—LOT 10 BLK F, Colonial Acres, Eden Twp. Alice L and John Honsberger to Jacob Meek.....February 3, 1930	
Feb. 6, 1930—PTN LOT 43, A J Sniders Piedmont Terrace by the Lake, Oakland. Clara Kendall to F W Thaxter.....January 22, 1930	
Feb. 5, 1930—CAMPUS of the University of Calif., Berkeley. The Regents of the University of Calif. to Latourette-Fical Co.....February 4, 1930	
Feb. 5, 1930—CAMPUS of the University of Calif., Berkeley. The Regents of the University of Calif. to Dinwiddie Construction Co.....February 4, 1930	
Feb. 5, 1930—CAMPUS of the University of Calif., Berkeley. The Regents of the University of Calif. to M. E. Ryan.....February 4, 1930	
Feb. 5, 1930—5272 ROSS ST., Oakland. Walter and Lottie E. Morgensen to Morgensen Bros.....February 4, 1930	
Feb. 4, 1930—LOTS 25, 26 and 27 Blk S, amended map of Regents Park, Berkeley. H A Konderman to whom it may concern.....January 28, 1930	
Feb. 4, 1930—2853 CARMEL ST., Oakland. Alma A Hoffman to F W Durgin.....January 23, 1930	
Feb. 3, 1930—NE 78th AVE and Arthur St., Oakland. Edward J Johnson to L Johnson & Son.....January 27, 1930	
Feb. 10, 1930—LOT 28 BLK K, Durant Manor, Oakland. M L Loblaw to whom it may concern.....February 7, 1930	
Feb. 10, 1930—3457 PIERSON ST., Oakland. A and Amelia Moniz to Varna Bros.....February 7, 1930	
Feb. 7, 1930—NO. 7701 HOLLY ST., Oakland. Rugg & Lisbon to whom it may concern.....Feb. 6, 1930	
Feb. 8, 1930—LOT 8 BLK 9, Lakemont, Oakland. P C Nash to whom it may concern.....Feb. 7, 1930	
Feb. 8, 1930—NY PEARL ST. 40 SW Calhoun St. Alameda Noble F Justice to whom it may concern.....February 7, 1930	
Feb. 8, 1930—NO. 3776 WEBSTER ST., Oakland. Geo A Brown to J C Martin.....Feb. 7, 1930	
Feb. 7, 1930—OAKLAND, ALAMEDA and Berkeley. Southern Pacific Co to Hutchinson Co, Inc.....Jan. 31, 1930	
Feb. 7, 1930—PTN LOT 18 BLK 3 Broadmoor, San Leandro. John F Dunlap to A E Sater.....Feb. 4, 1930	
Feb. 7, 1930—SEVENTH AND Cedar Sts. Seventh and Jefferson 7th St. and 103rd Ave., Fruitvale Ave and Ellwood Sts., Oakland. Southern Pacific Co to Hutchinson Co, Inc.....Jan. 31, 1930	

Feb. 6, 1930—6687 CHABOT ROAD, Oakland; Gus Olsen to W A Netherby.....February 2, 1930
 Feb. 6, 1930—LOTS 9-10 GARDEN Acres Tract, Alameda Co; James B Brown to James Michle.....January 27, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
Feb. 6, 1930—LOT 160 Arbor Villa, Oakland. Sheet Metal Service Co vs John D and Effie M Knolty.....\$176	
Feb. 6, 1930—LOT 159 Arbor Villa, Oakland. Sheet Metal Service Co vs Thomas C and Susan Plimm.....\$166.50	
Feb. 5, 1930—1817 103RD AVE., Oakland. General Mill & Lumber vs G L Hughson and Peter I Jarvis.....\$26.31	
Feb. 5, 1930—LOT 15, BLK 6, Matthews Tract, Berkeley. Tilden Lumber Co vs Conrad Foertsch and J Holm.....\$85.23	
Feb. 5, 1930—LOT 119-122-123, BLK 353, Map 130 and 131, Arbor Villa, Oakland. Swift Lumber Co vs Albert Card.....\$718.69	
Feb. 4, 1930—LOT 35 and ptn Lot 36 Blk F, amended map of the Christiana Tract, Berkeley. Sunset Hdwe Co vs George Wyatt.....\$61.40	
Feb. 4, 1930—S NINTH ST 100 E O L Hughson.....\$100	
Feb. 4, 1930—LOTS 16 AND 17 BLK 5, Map No. 4, Regents Park, Albany. Will McKee Morrow and Ray R Mansfield vs George Wyatt (2 liens each).....\$56.25	
Feb. 4, 1930—LOT 35 AND PTN LOT 36 Blk F, Amended Map of Christiana Tract, Berkeley. Will McKee Morrow and Ray H Mansfield vs George Wyatt (2 liens) ea.....\$56.25	
Feb. 7, 1930—LOT 21 Ptn Lot 22 Blk 27 Map No. 8, Regents Park, Albany. Henry Cowell Lime & Cement Co. vs W R and A E White and J Davis.....\$101.04	
Feb. 10, 1930—1817-19 103rd AVE., Oakland. Hartman Electric Co vs Geo L Hughson, Peter I Jarvis.....\$100	
Feb. 10, 1930—LOTS 45, 46 BLK O Iveywood, Oakland. Pacific Hardwood Floor Co vs Peter Jarvis.....\$100	

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
Feb. 8, 1930—LOT 12 BLK 9, North Crigmont, Berkeley. E L Blackman to W H and Dorothy G Hooper.....\$65.63	
Feb. 8, 1930—NO. 711 CRAGMONT AVE., Berkeley. Tilden Lumber & Mill Co to Dorothy G Hooper.....\$675.25	
Feb. 5, 1930—PTN BLK 9, Hayward Acres, Eden Twp. G C Van Dyke to Iole Mazzanti.....\$117	
Feb. 5, 1930—5664 OAK GROVE AVE., Oakland. Eureka Mill & Lumber Co to Alice M and Henry C Wood. D C McMillan.....\$65.62	
Feb. 10, 1930—413 EVELYN AVE., Albany. Ben Jepsen to Robert Payne.....\$36	
Feb. 10, 1930—S WOOLSEY ST 87-65 ft E of Telegraph Ave., Oakland. Tilden Lumber & Mill Co to Harry Schuster.....\$1249.65	
Feb. 10, 1930—S WOOLSEY ST 87-65 ft E of Telegraph Ave., Oakland. Michel & Pfeffer Iron Works to Harry and Esther Schuster.....\$763.40	

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
 HILLSBOROUGH. All work except painting for two-story frame and stucco residence.

Owner—Eugene Kauffman et al.
Architect—Willis Polk & Co., 277 Pine St., San Francisco.
Contractor—C. H. Bessett, Ellinora Drive, Woodside Heights, Redwood City.
Filed Feb. 5, 1930. Dated Feb. 4, 1930. TOTAL COST, \$44,261.
Bond, none. Limit, Sept. 1, 1930. Forfeited, none. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$7000; No. 139 Warren Road W. Portion 1 Lot 80, San Mateo; owner & contractor, Allan McIntyre, 446 Highland Ave., San Mateo.
RESIDENCE, \$5000; No. 824 N. Claremont Lot 31, San Mateo; owner and contractor, Martin Peterson, 128 Lorton St., San Mateo.
RESIDENCE, \$6000; Lot 18 Blk 2-A, Seville St., San Mateo; owner and contractor, Meyer Bros., El Camino & Aragon Sts., San Mateo.
RESIDENCE, \$6000; Lot 19 Blk 2-A, Seville St., San Mateo; owner and contractor, Meyer Bros., El Camino & Aragon Sts., San Mateo.
RESIDENCE, \$7000; Lot 20 Blk 2-A, Seville St., San Mateo; owner and contractor, Meyer Bros., El Camino & Aragon Sts., San Mateo.
RESIDENCE, \$6000; Lot 21 Blk 2-A, Seville St., San Mateo; owner and contractor, Meyer Bros., El Camino & Aragon Sts., San Mateo.
RESIDENCE, 1-story frame, \$6000; No. 417 Los Sombras Court Lot 7, San Mateo; owner, Lang Realty Co., Burlingame Ave., San Mateo; contractor, Frank F. Nelson.
DWELLING, \$6500; Lot 69, Idaho St., San Mateo; owner and contractor, Mrs. Geo. Douglas.
BUSINESS building, concrete, \$30,000; Second St. and San Mateo Drive Blk 4, San Mateo; owner, Wisnom Co., 221 Second St., San Mateo; contractor, S. A. Wisnom, 140 S. Ellsworth St., San Mateo.
ALTERATIONS, \$1500; Ninth and Laurel Lot 7, San Mateo; owner, Mrs. Geo. C. Rosa, 125 9th St., San Mateo; contractor, S. A. Wisnom, 140 S. Ellsworth St., San Mateo.
RESIDENCE, \$8000; Lot 37 Blk 17, No. 552 Nevada St., San Mateo; owner and contractor, Roy Allen, 519 Francisco St., San Mateo.

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Feb. 4, 1930—LOT 77 Bayshore Highway Tract. Benetti Tile Co vs J Corral Radgen et al.....	\$140
Feb. 4, 1930—LOT 4 BLK 9 Range D, Redwood City, Boulevard Mill & Lumber Co vs Henry East.....	\$205.90
Feb. 5, 1930—LOTS 34 and 35 part lot 26 blk 5, Schwerin Addn. Jas Sherard vs Andy Raw, et al.....	\$39.25

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Feb. 4, 1930—LOT 15 BLK 18, Burlingame. Oswald & Rucker, Inc to whom it may concern.....	
Feb. 4, 1930—LOT 27 and part lot 28 Blk 9, San Bruno Park. A G Anderson to whom it may concern.....	February 3, 1930
Feb. 5, 1930—LOTS 2 and 11 BLK 56 White Oaks. Koff Realty Co to H H MacDonald.....	February 1, 1930
Feb. 6, 1930—LOTS 144 and 145,	

Shore View Tract. San Mateo Terminals Co to Chas Hammer..... January 30, 1930
Feb. 6, 1930—LOTS 109 and 110, Shore View Tract. San Mateo Terminal Properties Co to Chas Hammer..... February 5, 1930
Feb. 6, 1930—LOT 21 BLK 5, Burlingame Grove. Roy Janman, et al to Palgot Nelson..... Jan. 31, 1930
Feb. 5, 1930—PART LOT "K" BLK 45, Hillsborough Park. Wisnom Lumber Co vs Jules G Nundnick et al \$393.29

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Feb. 6, 1930—LOTS 6 and 7 BLK 9, Central Park, Redwood City. C B McLane to whom it may concern.....	In full
Feb. 6, 1930—LOT 23 BLK 18, Vista Grande. Edmund Covagnaro, \$130; Gus Smith, alias, \$75; to P Conci et al (two releases).....	

BUILDING PERMITS

BURLINGAME

STORES (5), \$25,000; NE Primrose & Burlingame Aves., Burlingame; owner, Martin Stelling; contractor, Young & Horstmeyer, 431 Market St., San Francisco.
ALTERATIONS, \$1600; No. 148 Burlingame Ave., Burlingame; owner, Dr. Gillan, Premises; contractor, W. G. Henry.
BUNGALOW, \$7400; Lot 1 Blk 5, Edgehill, Burlingame; owner, J. Gogwette; contractor, Thos. Gesso, 1201 Vancouver Ave., Burlingame

BUILDING PERMITS

REDWOOD CITY

BUILDING, \$2000; No. 1012 Roosevelt Ave., Redwood City; owner, G. & S. Moncrieff; contractor, S. Moncrieff.
GASOLINE tank, \$2000; Shasta St., Redwood City; owner, Shell Oil Co., Premises; contractor, R. E. Beckett, 134 Warwick St., Redwood City.
DWELLING, 5-room frame and garage, \$2000; No. 1427 Oxford St., Redwood City; contractor, F. E. Stevenson.
BANK AND Stores, 1-story reinforced concrete, \$38,614; 2517-2521-2525-2529 Broadway; owner, San Mateo County Bank, premises; contractor, Gus Waller, 221 Hudson, Redwood City.
DWELLING, frame, \$2000; 129 Lincoln; owner, B. Montero; contractor, E. Aragon.
STORES and basement, 2-story brick, \$9000; 1123-25 El Camino Real; owner, Lola Brown, 2738 Broadway, Redwood City; contractor, C. F. Schuetz.
ANIMAL Shelter building, frame, \$4-553; 1341 Hilton; owner, City of Redwood; contractor, Gus Waller, 221 Hudson, Redwood City.
DWELLING, frame, \$2500; 811 Hudson St.; owner, D. Degiovanni.

BUILDING PERMITS

PALO ALTO

DWELLING, frame and stucco, \$3000 No. 720 College Ave., Palo Alto; owner, W. J. Sheldon, 542 Cowper St., Palo Alto; contractor, Joseph R. Mesa.
ALTER Class C garage, \$2500; No. 440 Emerson St., Palo Alto; owner, Palo Alto Improvement Co., 440 Emerson St., Palo Alto; contractor

Roy H. Heald, 636 Webster St., Palo Alto.
DWELLING, frame and stucco, \$3000; No. 720 College Ave., Palo Alto; owner, W. J. Sheldon, 542 Cowper St., Palo Alto; contractor, Joseph R. Mesa.

BUILDING PERMITS

SAN JOSE

RESIDENCE, 4-room frame, \$2500; Mt. Hamilton View Drive near 31st St., San Jose; owner, Homer Sampson, 104 S-23rd St., San Jose
ALTER frame residence, \$1500; No. 1355 Idaho St., San Jose; owner, Harvey Gibbs, Premises.
RESIDENCE, 3-room frame, \$1250; Fox St. near San Pedro, San Jose; owner and contractor, Elwood Hiatt, 101 Wabash St., San Jose.
WAREHOUSE, wood and corrugated iron, \$5000; No. 372 Autumn St., San Jose; owner, Greco Canning Co., Autumn and Howard Sts., San Jose.
RESIDENCE, 5-room frame, \$4000; 26th St. near St. James, San Jose owner, W. H. Besecker, 26th and Santa Clara Sts., San Jose; architect, Wolfe & Higgins, 19 N. Second St., San Jose; contractor, B. H. Painter, R. F. D., Gordon Ave., San Jose.
RESIDENCE, 5-room frame, \$3500; Fourth St. near Mission, San Jose owner, Jcs. Giunta, General Delivery, San Jose; contractor, S. Di Fiore, 985 Hamline St., San Jose.
ALTER frame industrial building, \$3000; No. 603 W-Julian St., San Jose; owner, Union Ice Co., 80 F St., W. San Fernando.
RESIDENCE, 4-room frame, \$2000; San Antonio St. near 35th, San Jose; owner and contractor, J. Q. Wilson, 195 S-25th St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Feb. 3, 1930—LOTS 10 and 11 BLK 3, Loyola Town site. Rosie Lilly et al.....	January 23, 1930
Feb. 4, 1930—NW NAGLEE AVE 170 ft NE Capman St, San Jose. V F Van Dalsem to whom it may concern.....	February 1, 1930
Feb. 4, 1930—NW NAGLEE AVE 120 ft NE Capman St, San Jose. V F Van Dalsem to whom it may concern.....	February 1, 1930
Feb. 5, 1930—SW CHAPMAN ST 156 8/12 ft SE Davis St, T L Hubbard to whom it may concern.....	February 3, 1930
Feb. 6, 1930—LOT 10 BLK 21, Los Altos Map No 2. Robert Black et al to whom it may concern.....	February 5, 1930
Feb. 6, 1930—LOT 16 BLK 123 Crescent Lake, Palo Alto. C A McCann to whom it may concern.....	February 3, 1930
Feb. 6, 1930—LOT 3 BLK 49, Seale Addn No 2, Palo Alto. Burton C and Eva G Hooker to whom it may concern.....	February 3, 1930
Feb. 6, 1930—LOTS 11 and 12 BLK 7, Bartley Tract Subd. No 2. E F Burkhart et al to whom it may concern.....	February 4, 1930
Feb. 6, 1930—S 1/2 LOT 16, Ledy Tract. Alberto Brondi et al to whom it may concern.....	Feb. 5, 1930

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Feb. 5, 1930—E SUNOL ST 249.50 ft N San Fernando St, San Jose. G A Kelly to Anita Bellomo et al.....	

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Feb. 5, 1930—LOT 11 BLK 162 Map of Fifth Addition to Pacific Grove. John Reinhart and Mrs. Annie Young to whom it may concern.....Feb. 4, 1930
Feb. 6, 1930—LOT 13 BLK K, according to Official Map on file, Monterey. J C Dornini to Emil Person.....January 24, 1930
Feb. 10, 1930—LOT 7 and Ely 25 ft of Lot 10 Blk 2, Maple Park. H G and Mae Hull Jorgensen to Huson & Reese.....February 7, 1930
Feb. 8, 1930—LOT 2 BLK 217, Monterey Country Club, facing Bronco Road, Subdiv No 2. Wm C and S Della Bogen to Wade Halstead.....February 5, 1930
Feb. 11, 1930—LOT 1 BLK 33, map of north half of New Monterey. William V Brown to Wm F Tweedy.....February 7, 1930
Feb. 13, 1930—LOT 12 BLK 20, map of Springs 2nd Addn, Salinas City. Richard B Williams to whom it may concern.....February 11, 1930

LIENS FILED

MONTEREY COUNTY

Recorded Amount
Feb. 10, 1930—LOT 7 BLK 10 Homestead Addn, Salinas. Sterling Lbr Co vs Abbie M Mann.....\$152.35

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Feb. 5, 1930—SOUTH SIDE of Sonoma Ave, near Steiner Court, Santa Rosa. Robert D Maxwell to whom it may concern.....Feb. 5, 1930

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Feb. 7, 1930—CER. 50 FT ON MAIN St. and 100 ft. on SW Cor. said Sts. and being designated as Lot 11 Blk 246, East of Center St., Stockton. E S Silva to whom it may concern.....December 28, 1929
Feb. 7, 1930—PTN SECTION 13, T 3 N R 42, Stockton. Protestant Episcopal Bishop of San Joaquin County (L C Sanford incumbent, owner) to T E Williamson.....Feb. 4, 1930
Feb. 10, 1930—SECTION OF STATE Highway near French Camp. Department of Public Works, State of California to M B McGowan.....February 6, 1930

BUILDING PERMITS

SACRAMENTO

WELDING works, \$3529; No. 506 Y St., Sacramento; owner, Byer & Anderson, 100 N-Sixteenth St., Sacramento; contractor, M. G. Burnside, 2000 Y St., Sacramento.
RESIDENCE, 6-room, \$4800; No. 2315 Fourteenth St., Sacramento; owner, J. B. Montaldo, 2420 19th St., Sacramento.
WAREHOUSE, \$2500; No. 210 23rd St., Sacramento; owner, D. McDonald, 1113 G St., Sacramento; contractor, Ed. Book, 2911 H St., Sacramento.
PRIVATE garage and poultry house, \$1000; No. 4131 12th Ave., Sacramento; owner, J. W. Hodge. Premises.

RESIDENCE, 6-room, \$4250; 4633 Henry Way; owner, C. C. Ruby, 4800 T St., Sacramento.

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Feb. 4, 1930—Feb. 6, 1930—E ½ LOT 6, L M, 17th and 18th Sts., Sacramento. Thomas Scott Sr and Thomas Scott Jr, \$2763.41; W H Vogt Co, \$301.45 vs Jonas E and Fannie P Norlin.....\$232
Feb. 8, 1930—E ½ LOT 6 L and M 17th and 18th. H O Adams vs Jonas E and Fannie Norin and Thomas B Hunt.....\$232
Feb. 8, 1930—E ½ LOT 6 L and M 17th and 18th. Geo L Danner vs Jonas E and Fannie Norin, and Burnett & Sons.....\$54.85
Feb. 8, 1930—LOTS 6223 and 6224, Mission Trecho. R P Shorrock & A H Smith doing bus as Shorrock-Smith Hardware Co vs Ida M Hodge and O E Dimmick.....\$156.58

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$1000; No. 2023 Mariposa St., Fresno; owner, Peoples Finance & Thrift Co., Premises; contractor, Fisher & McNulty, Mattel Bldg., Fresno.
DWELLING, \$4000; No. 1290 Echo Ave., Fresno; owner and contractor, Nicholas Kirkert.
DWELLING, \$20,000; No. 1111 Poplar Ave., Fresno; owner, Harry F White, 1311 Broadway, Fresno; contractor, Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.
DWELLING, \$3000; 3301 Platt Ave.; owner, R. B. Moore.
DWELLING, \$3500; 612 Poplar Ave.; owner, L. C. Musselman; contractor, Chas. N. McKnight.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Feb. 4, 1930—E 50 FT. LOTS 29 TO 32 Blk 61, Caruthers. D R McHargue to whom it may concern.....February 1, 1930
Feb. 4, 1930—LOTS 13 AND 14, McKinley Heights, Fresno. Thos C Snyder to Taylor-Wheeler, Inc.....February 3, 1930
Feb. 5, 1930—LOTS 1 AND 2 BLK 65, K B Heights, Fresno. Elizabeth Mazzei to Karl Gleim Jr.....February 3, 1930
Feb. 5, 1930—LOCATION NOT GIVEN Southern Pacific Co to Keystone Steel & Wire Co (fence on premises).....Jan. 29, 1930
Feb. 10, 1930—LOTS 11 and 12 McKinley Hgts. John C Downs to Taylor-Wheeler, Inc.....Feb. 10, 1930

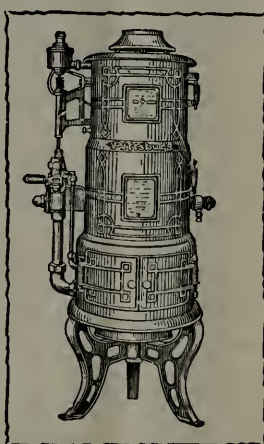
LIENS FILED

FRESNO COUNTY

Recorded Amount
Feb. 8, 1930—NW ¼ of Sec 12, 14-18. A A Soderberg vs Bert and P Kovacevich.....\$6

CERTIFICATES GRANTED

J. Lloyd Conrich, 630 Lake St., San Francisco and Sigvald L. Berg, 917 Curtis St., Berkeley, have been granted provisional certificates by the California State Board of Architecture Examiners, Northern District, to practice architecture in this state. It announced by Albert J. Evers, secretary of the state board. The certificates were granted at the regular meeting of the state board on Jan. 28.



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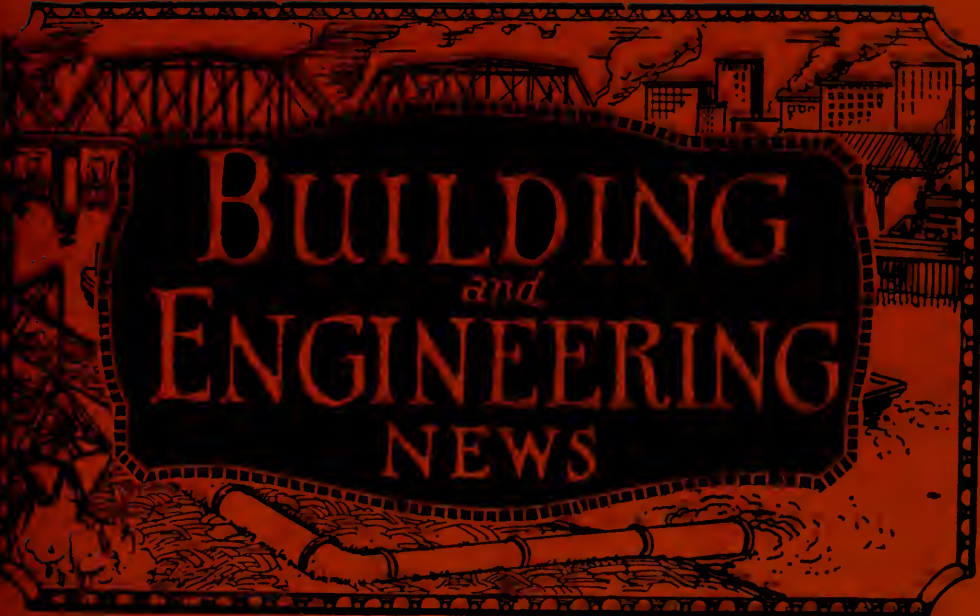
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BUILDING *and* ENGINEERING NEWS

Publication Office
147 Mission Street

SAN FRANCISCO, CALIF., FEBRUARY 22, 1930

Thirtieth Year, No. 8
Published Every Saturday

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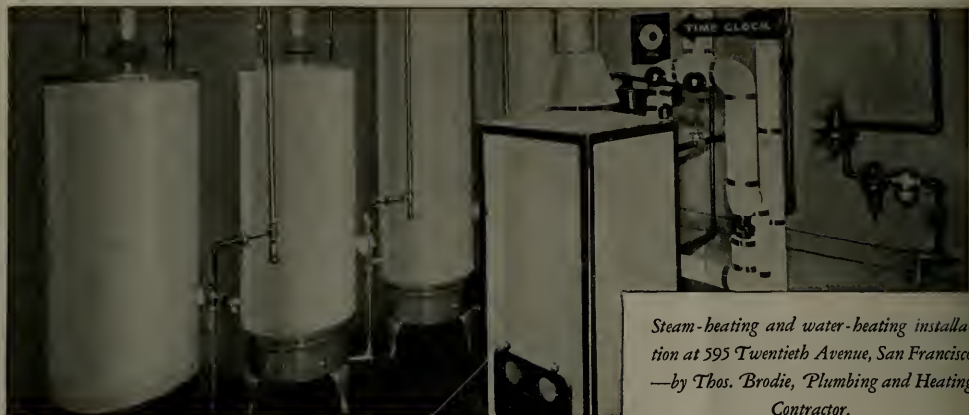
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., FEBRUARY 22, 1930

Thirtieth Year, No. 8

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone Kearny 1252
J. P. FARRELL, Editor
J. E. OGDERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

STEEL INTERESTS ELECT AND ADOPT RESOLUTIONS

J. E. Webster of Los Angeles was unanimously re-elected chairman of the California Iron, Steel & Allied Industries Conference at the closing session in the Hotel Del Monte and dates for the opening of the next conference at Del Monte set for February 12, 13 and 14, 1931.

R. M. Alford, San Francisco, and Charles S. Knight, Los Angeles, were re-elected vice chairman and secretary, respectively. H. W. Force of Berkeley and A. C. Denman of Los Angeles were re-appointed chairman and vice-chairman, respectively, of the golf committee for the tournament in connection with the 1931 conference.

All resolutions were passed by the conference at the final session by unanimous vote. These provide:

Commendation of the California State Chamber of Commerce for its activities in stimulating closer co-operation of steel industry groups;

Support in extending simplified practice and elimination of waste to all iron and steel groups in California;

Extension of marketing territory in Western states;

Development of markets for domestic products;

Continued co-operations with California purchasing agents;

Co-operation with technical groups of architects, engineers and contractors, and the invitation to them to be represented at the iron and steel executive committee meetings, aiming toward the development of a definite affiliation.

Group chairman chosen by the Conference for 1930 are: Northern California, manufacturers, H. L. Philips, San Francisco; Southern California, George J. Kuhrts, Los Angeles.

Reinforcing steel dealers, Lon White, San Francisco; Roy A. Badt, Los Angeles.

Merchant steel dealers, Stephen S. Barrows, San Francisco; E. Jungquist, Los Angeles.

Steel mills: U. S. Steel Products Co., Columbia department, S. F.; Pacific Coast Steel Corporation, Los Angeles.

Structural steel: C. H. Ramdden, Oakland; R. P. Miller, Los Angeles.

Foundries: Charles Hoehn, San Francisco; Carol A. Stilson, Los Angeles.

Traffic: T. A. L. Loretz, Los Angeles.

An exposition is to be held at the Hotel Stevens, Chicago, April 7-12, in connection with the seventh annual convention of the American Oil Burner Association. Sixty-eight exhibitors had taken space up to February 12. They include not only manufacturers of burners and accessories of every kind, but also oil companies. This will be the first exposition held by the association in which oil companies have been represented.

CONTRACTING PROGRESS DURING 1929 IS CITED

Contracting activities were large in 1929, corresponding to the nine-billion-dollar construction program, but prosperity among contractors has not been commensurate with this great activity, says Engineering News-Record, in an editorial survey of the 1929 construction program. Prices were generally low. Within the organized contracting industry has made progress in stabilizing its relation to other elements of the construction industry. It has improved practice in surety-bond writing by setting up with the surety companies a bureau of contract information which is fast putting on file the verified business and performance record of every general contractor. During the year distinct advance has been made in requiring the prequalification of contractors bidding on public works. Adoption of the practice has been most general in state highway construction, but a number of cities have taken it up and legislation permitting its general use is being urged in several states and has been enacted in one. Concurrent with prequalification there has been a tightening up by public works officials in after-the-bid investigation of the low bidder.

Credit stabilization has made progress, chiefly through the allied industries committee of the Associated General Contractors and a dozen specialized contractors' associations. While directed toward sounder credit and trade practices, this work had the secondary effect of improving the relations of general contractors and subcontractors, particularly in building construction. In the same line of harmonizing working relations, contracting associations are getting into closer touch with organized labor in agreements concerning jurisdictional strikes.

Association work, though one of the brightest elements of contracting, has not the wide support in membership and money that its importance warrants. Contractors' associations have been regarded more highly by other elements of the construction industry than by contractors. This condition is just now beginning to mend.

ORDERS FOR ELECTRICAL GOODS

New orders booked during the fourth quarter of 1929, as reported to the U. S. Department of Commerce by eighty-one manufacturers of electrical goods, were \$283,736,209, as compared with \$338,169,678 for the third quarter of 1929 and \$282,226,449 for the fourth quarter of 1928. Total bookings for 1929 amounted to \$1,230,133,618, an increase of 25 per cent over the \$1,029,721,508 of orders booked in the previous year.

CITY PLANNING FOUND TO AID CONSTRUCTION

Nearly 700 municipalities in this country now have city planning commissions, and the number shows growing interest in the movement and its widespread development throughout the United States, according to a statement by the Department of Commerce, based on a survey by its division of building and housing. The Department's statement follows in full text:

A tabulation made from returns to questionnaires sent to vari ous cities, towns and villages in the United States shows that at least 691 of these municipalities have official planning boards or commissions. Of this number, 208 are cities having in 1929 a population of over 25,000, comprising more than two-thirds of all the cities in that population group. The other 483 vary in size down to villages of less than 1000, and several of the smallest of these have less than 500 inhabitants.

The large number of municipalities of all sizes which at this time have planning commissions, and the fact that the interest in planning activity is not confined to any one region of the country, indicate a general appreciation of the need for modern city planning, according to the Department.

"Cities having planning commissions are believed to be more apt than others to exercise foresight and true economy in controlling the laying out and improvement of streets, the location of parks, playgrounds and public works, the development of transit and transportation, provision for street traffic, and in the equitable regulation of private use of land through zoning ordinances," the Department said.

The tabulation, in addition to summarizing the total number of planning commissions now in existence, groups them according to States, presents data as to the number of members of each commission, the number appointed and the number serving as exofficio members, the terms of office and the titles of the executive officers. It also indicates which of these cities have zoning ordinances in effect.

W. R. FAIT, WOODLAND CONTRACTOR, PASSES

William R. Fait, 52, general contractor of Woodland, who has been a patient at the Letterman General Hospital, San Francisco, for the past several months, died Feb. 18.

Fait was a Spanish-American War veteran and served several years in the Philippines. He was a native of Kentucky and entered the contracting business in Woodland about seventeen years ago.

Surviving are his widow, Mrs. Katherine Fait, and a daughter, Miss Eleanor Fait, a student at Mills College in Oakland. Several brothers and sisters in Washington also survive.

ARCHITECT URGES BETTER RELATIONS WITH CONTRACTOR

(By C. HERRICK HAMMOND, President, American Institute of Architects)

Following are excerpts from an address on "Industrial Relations Between the Architect and Contractor," delivered by Mr. Hammond at the annual convention of the Associated General Contractors of America at New Orleans, January 20-23, 1930.

When Mr. Walbridge invited me to appear before you to speak on industrial relations between contractors and architects, I accepted the invitation immediately, not because I like to make a speech—I do not—and I consider myself a poor speaker, indeed. I accepted because I felt that it was high time for some one to make an effort to bring into closer contact these two fundamental elements of the construction industry, to clear away the mist and fog from the atmosphere and sweep out the dust and cobwebs of doubt and misunderstanding that seem to prevail in the minds of some of the members of our great industry. Nothing short of ignorance of the functions, the aims and ideals of the architects of this country can account for the misunderstandings that prevent us from going ahead together as we should in the closest, most free and efficient manner to carry out the general construction activities of our nation.

I am here as the representative of the 65 active chapters of the American Institute of Architects and am expressing not only my own views, but the ideas of many of the leaders of the profession. I feel that I am safe in saying that I speak for the profession.

Educational Work of A. I. A. —
The institute was organized in 1857 and has through all the years of its existence endeavored to improve the practice of architecture in this country. I am sure it has done so. The educational work of the institute has been far-reaching in developing a fine type of graduate from our schools of architecture and in creating an interest and an appreciation of the fine arts on the part of the public. Its efforts have also been directed toward those elements of the building industry which tend toward greater efficiency and better business methods.

The institute through its members has developed many instruments useful to the entire profession—for example, the "Handbook of Architectural Practice," which was largely the work of Frank Miles Day of Philadelphia, whose contribution to this phase of architecture is of immense value to the industry. A study of this handbook will be enlightening to many.

The documents of the institute, such as the "Functions of the Architect" and "The Principles of Practice," clearly define the architect's place and attitude towards the other elements of the industry. The contract documents of the institute, the result of collaboration with engineers, contractors, subcontractors and lawyers, was largely the result of the leadership of the architectural profession. The documents, including the "General Conditions of the Contract" and the "Form of Bond," are used extensively throughout the entire country and are the standards adopted by your association.

I want you to realize that the architect of today is a business and professional man of ideals, who plans his structure from the foundation to the top, according to the best and most

efficient practice in collaboration with engineers—both structural and mechanical—without losing sight of the fact that along with beauty must go good planning, efficiency and economy, together with fair dealing between contractor, subcontractor and owner.

Architect of Today

The American architect of today has fallen heir to a great heritage, as the student of our history will appreciate in the names of Richardson, Hunt, McKim, Burnham, Bacon, Goodhue, Hastings, Jenney, May, and many others who are no longer with us, but whose names will stand as symbols of an enduring influence in our civilization. All over this country today worthy successors of these men are carrying on the principles for which they stood.

The standards of architectural practice today are higher than ever before. The graduates of architectural schools are better trained. Many are post-graduates, and before entering the practice of their chosen profession spend years in architects' offices to fit themselves for their life's work. Traveling scholarships have been established throughout the country, many of them operating under the auspices of the institute, which offer the deserving students of architecture opportunity for foreign and domestic travel to better fit them for service in their profession. Twenty-seven states have registration laws setting minimum standards of professional practice.

Industrial Relations of Groups

Industrial relations between two such fundamental groups as contractors and architects to be of benefit in the interest of better construction methods and of lasting service to the community must, of necessity, be formed on the basis of complete understanding of the functions of both and their willingness to co-operate for the good of the industry.

Success lies in whole-hearted co-operation of all elements of the industry toward doing away with its difficulties, injustices and misunderstandings.

In many cities throughout the land there is real co-operation and where such co-operation exists there are few misunderstandings as to the functions of each. There is clearer understanding that there is a place for the contractor and for the competent subcontractor, and that there is a place and a need for competent architects. There is also a realization that the two functions cannot be mixed, and that neither can replace the other, nor can either get along without the other.

It is also more clearly realized that there is no place—and should be no place—for the bad contractor or the bad architect. The really capable, intelligent contractors are wholeheartedly working with the architects—a condition which should prevail throughout the country.

When judgment is passed upon either a business or profession, it should be based on the performance of the best and finest of its practitioners. Through co-operative effort those high accomplishments and fine performances should be held up to public esteem. The weight of public opinion of a united building industry should be brought to bear in criticism of those members of our industry who fail to make at least an effort to reach that high standard. There are many

difficulties in the industry that are the result of the system evolved thru many years that cannot be laid at the door of any one element of the industry.

Competitive Bidding

The prevailing system in this country of selecting a contractor by competitive bidding often fails to accomplish the very result for which such competitions are held; namely, to secure the best contractor to do the work. When competitive bids are taken on an important building, general contractors are selected to bid, and as far as the architect is concerned an effort is made to select men as nearly equal in standing and qualifications as possible, but other contractors, not invited, bring about all the pressure and influence that they can organize to secure an opportunity to bid, thereby increasing the number beyond the desires of the architect and beyond the number which would give each bidder a reasonable chance to win, and worst of all, injecting into the list men who may not be properly qualified to do the work if they do get the job. Unrestrained competition in the building industry is an evil. Many evils of the industry are the result of the unfair competition that comes about through the necessity of accepting bids from contractors of unequal standing and ability; this is a problem that must be solved by the contractors.

It is obvious that in the construction world the products sold in competition are made after they are sold. When a merchant sells a pair of shoes in competition, the buyer sees the shoes and can choose just as good or as bad a make of shoes as he will stand for or pay for. When the owner buys the construction of a building in competition, the competition is all over when the sale is made; thereafter, the buyer, having bought blindly, has a promise or on a reputation, receives in return an article which is no better than he or the architect will accept, or the craft pride and good faith of the builder will produce.

Would Select Contractor

It is that essential failure of ordinary competition, when applied to building construction, that must be taught to the people who pay for the building, the owners, and it has to be taught to them by competent architects and competent contractors working together with a fine spirit of co-operation.

I believe, and most architects, I am sure, would agree with me, that the ideal way to build a building is to select a contractor who—by his experience, his ability as a builder, his organization, his equipment and his financial standing—is best qualified. The building operation is thus put in the hands of the architect and contractor, both working in a professional capacity for the best interests of the owner.

In this case, the builder, the architect and the owner may all join in the effort to secure a standard of work, a speed of construction and an economy of cost which is rarely possible when the general contractor is secured by competitive bidding and the award made to the lowest bidder.

At one time in Chicago a survey and estimate was made as to just how much competitive bidding cost the building industry. This estimate resulted in showing that an average 3 per cent was the cost of this system

of securing estimates and selecting a general contractor. Last year the total cost of building erected in the Chicago district was over \$300,000,000, multiplied by 3 per cent makes the enormous sum of approximately \$10,000,000 as the cost of estimating in Chicago for that year.

Waste in Estimating
As each contractor only secures a small proportion of the contracts on which he makes estimates, a great portion of this expense is wasted, but at the same time is added to the overhead expense of each concern involved. This overhead expense is paid for by every owner in the city who erects a building. This lays a heavy tax on the owner.

A large portion of this waste may be eliminated if an agreement can be reached between architects and contractors to use the quantity survey system in cities large enough to warrant the establishment of such survey bureaus, in accordance with report and recommendation on quantity surveying by the joint committee of the American Institute of Architects, Associated General Contractors of America, American Engineering Council of the Federated Engineering Society.

The Bureau of Contract Information, Inc., formed through the co-operative effort of the Associated General Contractors and Surety Companies, a non-profit organization, should be given the hearty co-operation of the entire industry—contractor and architect alike.

The movement started in many parts of the country on the part of contractors' associations and associations of material dealers toward the formation of credit bureaus, should be fostered.

The November issue of The Octagon, the official publication of the American Institute of Architects, contained a statement to the effect that now is the time for various elements of the industry to get together to iron out, if possible, through co-operative effort, the difficulties besetting the construction industry.

Definite steps to bring about some workable basis for such co-operation have already been initiated by the institute. The speaker had a talk with Mr. Daniel A. Garber, the daddy and first president of your organization, on the desire of such action and received a promise of full support, when I had the pleasure of meeting him in Memphis shortly before his untimely death. His passing was a great loss to the industry for which he had done so much.

Architect a Business Man
The architect has unfairly been the butt of the magazine humorist and is usually depicted as a long-haired artist whose interests have always removed him from the practical realities of life. As a matter of fact, a modest size architect's office of to-day will handle with care the businesslike expenditure of \$2,000,000 of its clients' money and see that every dollar is accounted for and that value has been received for every dollar spent. A so-called business concern, expending this volume in a year would have an important standing in business and financial circles, and its owners would be recognized as leaders in the business world. This unjust opinion of the architect has probably been caused because of the architect's inherent desire to bring beauty into all the work he produces.

Formerly those with a weakness for esuety were tempted to conceal it and they were suspected of unfitness to have a place in this practical, hard-headed, efficient world. However, we now are on record, without apology, in attaching the greatest value to the appreciation of art and beauty to the most utilitarian objects, and we seek to educate the contractor and the lay-

(Continued on page 25)

GENERAL CONTRACT FOR SAN JOSE SCHOOL WORK PROPOSED

Fifty general contractors, sub-contractors and material dealers, at a meeting of the San Jose Board of Education last Tuesday evening, spoke for and against the segregated bid plan and the general contract system in letting contracts in connection with the extensive school building program about to be undertaken in that city.

After hearing the various crafts, the members of the board of education, retired to a private meeting room to determine a policy in asking bids on future projects.

Following the private session, it was indicated that the board would continue to follow the same policy in advertising for bids as it has in the past—that is, the policy of advertising for a single bid by a general or major contractor. The only exception is the steam-heating contracts, which the board has made a practice of awarding separately.

Representatives of the master painters complained of the board's practice of specifying labor only on painting, in general specifications. The school department, in short, supplies the paint, the painters the labor. In answer to this it was explained the department can purchase paint at a lower figure.

Several craft representatives declared that their crafts would stand a better chance of landing a contract under the segregated bid plan, for the reason that the general contractor who is awarded the general contract often refuses to award his sub-con-

tracts to the lowest bidder for personal reasons.

Under the segregated plan, on the other hand, it was said, sub-contractors would bid to the board of education instead of the general contractor.

Among those who spoke in favor of segregation were the following: Fred Doerr, electrician; William Ehlert, plumber; George Lenzen, painter and decorator.

The following spoke in favor of the general contractor plan: W. H. McGinley and C. D. Scarper, painters, and Earl Hepple, plasterer.

F. T. Edmans, general contractor, declared segregating bids was inefficient and more costly. His views were seconded by Robert O. Summers general contractor.

W. J. Ochs of Fresno, who was recently awarded the contract for completion of the M. R. Trace school, told the meeting he had let all his sub-contracts locally, and employed local workmen, with the exception of two outside superintendents.

Architects who were heard on the subject of segregated bids, after the larger meeting, included the following: Ralph Wyckoff of San Jose; Warren Skillings, San Jose, who is designing the \$5000 kindergarten at Gardner school; Martin and West William; John Donovan of Oakland, who is designing the new junior high at Second and Rosa, and W. H. Weeks, who is completing Theodore Roosevelt school and designing a new junior high for Park and Naglee.

CRANE COMPANY TO MARKET GOODS ON INSTALMENT PLAN

An unusual program to assist homeowners in the Northwest—and eventually throughout the nation—is projected by the First Bank Stock Corporation, one of the Northwest's two huge bank chains, says the Business Week. Through its operation, homeowners will be able to buy plumbing and heating fixtures and insurance on the instalment plan and can make special arrangements for financing the purchase of building materials. Other types of financing will be added to the services of the group later on in line with the growing tendency of American banks to extend their services far beyond the original limits of the "bank loan."

This expansion into the national field of financing by the large Northwest group is itself an important development in American banking. Recently, the First Bank Stock Corporation, having \$70,000,000 in resources and about 90 affiliated banks, purchased the Lumberman's Acceptance Corporation of Chicago. Head offices of the acceptance institution were moved to St. Paul, headquarters for the bank chain, and its name became the First Bancredit Corporation. Although planned primarily for the purpose of financing the purchase of building materials through acceptances, the step had a broader significance in its development of the use of acceptances for private financing.

Now heating and plumbing purchases will be financed by the group on the instalment plan. Through First Bancredit Corporation, a contract has been closed to handle this financing in cooperation with the Crane Company under the Crane budget plan. Purchases of Crane heating and plumbing equipment will be paid for

in monthly instalments. Crane will sell through plumbing and heating contractors and will turn over the credit paper to First Bancredit Corporation, which will supply the cash. Thus the Crane Company's capital will not be tied up.

The contract also marks the first entrance of the Crane Co. into the instalment field. Crane is one of the largest manufacturers and distributors of heating and plumbing equipment in the world. It operates 161 branches in the United States and Canada and markets its products in many foreign countries.

The First Bancredit Corporation also finances on the instalment plan practically all forms of insurance, excepting life insurance. The time of payment is usually about 10 months.

In connection with its expansion program, the corporation will soon open offices in New York, San Francisco and Dallas. The bank group of which it is a subsidiary has also increased its paid-in capital by \$500,000 to a total of \$1,100,000. Resources come to about \$3,000,000.

In the early stages of development, the new business will probably be limited to making financing arrangements for national accounts on a nationwide basis. Later on, will come divisional financing plans for selected areas. In the Northwest the First Bank Stock Corporation's own 90 affiliated banks are immediately available as agents.

S. Rasor, general contractor, formerly located at 270 Tehama Street announces the removal of his offices to Room 614, Call Bldg. Phone KEarny 3537.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Trade-unions show a loss in their aggregate membership of 112,272, comparing 1929 with 1926, it is pointed out in a statement just released by the Bureau of Labor Statistics, Department of Labor, the figures being 4,444,523 in 1926 and 4,331,259 in 1929. Unions in the American Federation of Labor, however, report an increase of 126,430 over 1926, due largely to the renewed affiliation of the large Brotherhood of Railway and Steamship Clerks.

The Bureau's latest survey shows 146 organizations having national entity and significance in 1929, with 96 of them members of the federation. In 1926 there were 156 unions, 107 of them being affiliated with the federation.

Ten national organizations have passed out of existence since 1926, most of them small dual groups which have been absorbed by larger bodies, it was stated. During the same period, three new dual organizations have developed in different fields. The greatest increases in membership are reported in the construction industry and in public service, according to the statement.

Membership growth is especially marked in the hod carriers' organization, for which an increase of 30,000 is reported. Only a small part of this increase can be credited to the absorption of the tunnel workers, who numbered only 4600 in 1926. The plasterers have added 11,000 and the bricklayers over 26,000 to their membership since 1926. The only union reporting loss of members is the fathers, but several organizations give the same membership figures for both years.

A study into the costs of the plumbing business is to be undertaken by the Research Bureau of the School of Business Administration of the Oregon Agricultural College at Eugene, according to a recent announcement. A. L. Williamson, plumber and former mayor of Eugene, was the originator of the idea. The research is to be started in Eugene and extended to Marshfield, Cottage Grove, Roseburg, Albany and Corvallis.

Cooperation between builders and architects to stimulate building activity in Fresno and to raise the standards of construction were promised at a joint meeting of a group of architects and the General Contractors' Association at the Fresno Builders' Exchange. A canvas of the situation, it was said showed building to be on the increase with improved prospects for the Spring season. It was the consensus of opinion, according to spokesmen for both groups, that neither group would invade the field of the other.

August 26 is the date set by the San Francisco Board of Supervisors to vote bonds of \$60,000,000 to finance the purchase of the local distributing plants and systems of the Pacific Gas and Electric Company and Great Western Power Company to be used in the distribution of the city's power developed at the Moccasin Creek plant of the Hetch Hetchy system.

The state of California may order Alameda county to raze its courthouse! This became a possibility when C. H. Fry, superintendent of the state industrial accident commission, advised the board of supervisors that the board will make an immediate survey to determine if the courthouse is safe. If it isn't, Fry said, the commission has power to force it to be torn down or repaired so it will be safe. The move came as a result of a petition filed by Richard Liebman, Oakland attorney, whose attempt to abate the 59-year-old building recently was repulsed by the courts.

Denial of published reports that merger negotiations were under way involving 80 per cent of the Pacific Northwest lumber resources is made by James Tyson, president of the Charles Nelson Lumber Co., previously reported to have been a party to the negotiations. R. A. Long, chairman of the board of the Long Bell Lumber Company, said "there is nothing of importance to report" relative to rumors of pending negotiations for a gigantic lumber merger in the Pacific Northwest.

Representatives of various labor organizations are protesting against expansion of convict labor in California as proposed by a joint legislative committee appointed to study the prison labor problem and make recommendations to the Legislature at the next session. Frank C. McDonald, representing California Labor Council, brands as unfair the plan of the committee as outlined by its chairman, Assemblyman Chester Cline of Riverside, to provide employment for all convict labor. McDonald declares that men who have violated the laws of the state and forfeited their right to citizenship should not be allowed to compete with legitimate labor.

The formation of a \$100,000,000 investment trust to bring in new capital for California real estate investments is announced by Harry H. Culver, who has just retired as president of the National Association of Real Estate Boards. The investment trust will be known as The Harry H. Culver diversified Trust No. 1010. According to Culver, the purpose of the trust will be to gather millions of dollars in capital and idle funds thru-out the United States by disposing of whole Beneficial Interests Units in the new investment trust, bring that capital to California and invest it wisely under able management, to the end that many thousands of investors who are unable to come to California personally may send their funds to share in its prosperity and future.

Z. O. Field and Roy S. Field, San Jose contractors, operating a co-partnership under the name of Z. O. Field and Son, have filed petitions of voluntary bankruptcy in the Federal Court in San Francisco. Z. O. Field listed liabilities totaling \$15,545, of which \$12,538 was said to be unsecured. The petition of Roy S. Field alleged liabilities of \$11,883, all of which he said was unsecured. The firm was adjudicated bankrupt by Federal Judge F. H. Kerrigan and ordered to appear before M. E. Wright in San Jose February 25.

MEETINGS SCHEDULED TO TALK MONOLITHIC CONCRETE

The first opportunity for concrete contractors who do monolithic concrete work, except those specializing exclusively in the construction of concrete roads and large buildings to get together and talk over ways of increasing business will be afforded by the meetings planned by the Portland Cement Association in the following cities:

San Francisco, March 5, Palace Hotel, Parlor A, 7:30 P. M.
Oakland, March 7, Builders' Exchange, 7:30 P. M.

Sacramento, March 11, Hotel Sacramento, Gold Room, 7:30 P. M.

These meetings are to be informal presentations of material gathered from 1,000 leading contractors which shows how they are solving their local problems, developing new markets and increasing business.

One of the men who made this extensive survey will lead the discussions which will be well illustrated.

This is a fine opportunity for concrete contractors to get together in the way other contracting groups have been doing for a long time. These meetings should be well worth while.—Editor.

ANDREW M. JENSEN, FRESNO CITY ENGINEER, RESIGNS

Andrew M. Jensen, city commissioner of public works of Fresno, for the past five years, has resigned to enter private practice. Jensen will maintain headquarters in San Francisco and will specialize in municipal engineering.

During his term of office, Jensen fathered the move for the municipal purchase of the Fresno system of the California Water Service Company following purported threats by the water company to install meters and raise water rates.

Jensen is a native of Fresno and a graduate of Fresno schools and the University of California. In addition to his local public office, including a term as deputy city engineer in 1913, Jensen served as city engineer of Clovis and Fowler from 1919 to 1925.

After graduating from the University of California in 1917, he entered private engineering practice here. He was a member of a special engineering commission to report on the Fresno City sewage disposal problems in 1922, making the minority report which was adopted by the city.

Jensen was first elected commissioner of public works in April, 1923 and re-elected again in April, 1929.

LUMBER CHIEF PASSES

Chas. A. Weyerhaeuser, 66, millionaire lumberman and controller of the nation's greatest soft timber resource died Feb. 15 in Bombay, India, according to word received at his office at St. Paul, Minn.

The Weyerhaeuser Timber Company, which was founded by Charles A. Weyerhaeuser, is one of the greatest in the United States, with extensive holdings in Minnesota, Washington, Idaho and Oregon. In addition, the Weyerhaeuser Company is the third largest timber owner in Modoc County, being exceeded by the Pickering and Red River Lumber Companies.—Editor.

A new electrical ordinance, similar to that in effect in Burlington, N. C., providing for the installation of conduit in business and apartment buildings instead of loom tubing, is being considered by the San Mateo city council.

ALONG THE LINE

Draper Fowler, 86, former architect of Fresno, died in that city February 7. He was a native of England.

Donald K. Lippincott, formerly associated with Chas. S. Evans, patent attorney of San Francisco, has gone into business for himself as a patent attorney and consulting engineer with offices in the Mechanics Institute Building, 57 Post St., San Francisco.

George J. Rorter has opened offices in the Cunard Building, San Francisco, offering a construction engineering service for highway and bridge contractors, making preliminary reports and furnishing material lists on work which has been advertised for bids.

California Sewage Works Association will meet in Chico April 21 to inspect that city's sewage disposal plant. The inspection of the Chico plant is in connection with a trip being made to Davis farm, Lodi and other points.

Robert B. Chandler, county surveyor of Santa Clara county, has been named a member of the Santa Clara County Planning Commission. Eight other businessmen of the Santa Clara Valley make up the commission.

Frank J. Mellor, building inspector of Pittsburg, Calif., has submitted his resignation to the city council. He will accept the position of traffic manager for the Coos Bay Lumber Company at Bay Point. Robert L. Heck, superintendent of the Pittsburg Municipal Water Department, will take over the office of building inspector.

J. G. McMillan has been elected president of the Santa Clara County Society of Civil Engineers and Surveyors. Mark Thomas was elected vice-president and Earl Telfer, secretary. The outgoing officers are R. E. Hackley, president; Ray Fisher, vice-president, and Percy McMillan, secretary.

H. D. Severance, city engineer of Monterey, has been released by order of the court as a defendant in the suit for \$132,000 brought against the city engineer, the city of Monterey, R. M. Dorton, city manager of Monterey, and the Pacific Gas & Electric Company by Lawrence Leslie. Severance prepared the plans for the back stop which Leslie was helping erect when it came in contact with a high voltage electric circuit. He was charged with contributory negligence. The court held that Leslie had insufficient grounds for action.

J. E. Mackie, former secretary of the Pacific Coast Building Officials Conference, and at present on the Trade Extension staff of the National Lumber Manufacturers' Association, is delivering a series of lectures to approximately 65 of the leading colleges of the United States on the uses of lumber.

Hotel Senator has been selected by the American Society of Civil Engineers as the headquarters for the state convention of that body at Sacramento. The convention will open April 23 and will continue for three days.

TRADE NOTES

Burton Y. Gibson, formerly associated with Wesix, Inc., has joined the sales staff of Listenwaller & Gough, Inc., distributors of electric supplies and equipment.

Robinson Electric Co. announces the opening of new and larger quarters at 136 North Van Ness Ave., Fresno.

Ramsay Manufacturing Co., manufacturers of weather strips and door seals, has opened quarters at 451 Seabright Ave., Santa Cruz. S. R. Ramsay is president of the company.

Pfeiffer Electric Co. has opened shop and office quarters at 1165 Lincoln Ave., San Jose, and will engage in a general electrical business. The company is operated by V. V. Pfeiffer.

Wm. C. Fischer and Otto Freeborn, operating as Fischer & Freeborn, painters and decorators, with headquarters at Mountain View, Calif., announce dissolution of their partnership by mutual consent.

Skeels and Graham Co., Auburn, Calif., has been incorporated with a capital stock of \$200,000. Directors are E. B. Skeels of Auburn, R. J. Graham of Los Angeles, and A. I. Diepenbrock of Sacramento.

T. H. Pugh, for 19 years manager of the Woodlake, Calif., branch of the Spaulding Lumber Co., will retire from business within 30 days, according to word from Woodlake.

Norton-Phelps Lumber Co., of Santa Cruz, has been appointed a distributor of Johns-Manville asbestos roofing. The jobber for the same product in Santa Cruz is the Wood Bros. Company.

H. M. Schaur, manager of the Tracy Lumber Co., at Tracy, has submitted his resignation, effective about March 1. Schaur, according to reports, plans to retire from the lumber business. He will be succeeded at Tracy by Roy E. Burnett, for the past few years manager of the Cash Lumber Company at Tracy.

Incorporation of Herberts Machinery Company, Ltd., with headquarters in Los Angeles, has been filed with the secretary of state. The company, capitalized at \$2,000,000, was formed to engage in manufacturing, merchandising and contracting work. The directors include C. A. Herberts, Los Angeles; S. W. Clawson, Beverly Hills, and Richard A. Turner, South Pasadena.

Transportation problems of the lumber industry of the Pacific Northwest were discussed at a conference of railroad presidents at the Palace Hotel last Wednesday. At the meeting were Ralph Budd, president of the Great Northern Railway; Carl R. Gray, president of the Union Pacific; Charles Donnelly, president of the Northern Pacific, and R. A. Long, chairman of the board, Long View, Portland and Northern railway. Budd said the conference was not prearranged, but held following the coincidence of the different members of the group happening to be in this city.

HERE—THERE—
EVERYWHERE

Standard Gypsum Company of California which was recently reincorporated under Nevada laws, has been authorized by the California State Corporation Department to distribute 21,903 common shares of the Nevada Company to preferred stock holders of the California Company in payment of accrued dividends on preferred stock. It is also authorized to transfer 63,427½ shares of common stock of the Nevada Company to preferred stock holders of the California Company and 46,123 common shares of the Nevada Company to common stock holders of the California Company. The stock of the Nevada Company has a reported value of \$2,776,565.

At the annual California conference of iron, steel and allied interests at Del Monte, Calif., federal restriction on Mexican immigration was mentioned by Frederick J. Koster, vice-president and chairman of the Industrial Committee, as the only weak spot in California's present industrial situation.

Contractors have condemned the practice of engineers and awarding bodies in asking for new sets of bids after figures have been once received. They should be equally vigorous, according to the State Highway Chapter of the A. G. C. in refusing to consider a new set of quotations from manufacturers after all have had one opportunity to bid on any specific order or volume. The buyer should let it be firmly understood that the first price must be the best price.

Contractors have been notified by the San Francisco Board of Public Works that in future San Francisco-made material must be given preference in all municipal construction. This ruling was made in response to a local manufacturer's complaint that Seattle-made bricks costing \$8000 were going to be used in specific order of Alameda boulevard, although an equally good San Francisco product could be supplied at the same price. "All things being equal, there is no reason why contractors should go out of San Francisco for materials," was the Board's decree.

Thirteenth annual convention of the State Building Trades Council of California will be held in Sacramento during the week beginning Monday, March 17. The convention will be held in the Sacramento Labor Temple and will be attended by more than 300 delegates from every section of the state. Among topics slated for discussion are: Immigration, stimulating the building industry, constructive legislation, vocational education, standardizing working conditions and wage scales, organizing.

The American Association of Engineers has started a drive to rid the nation of what members of the group term "fake technical, trade and correspondence schools which are operating flagrantly in all parts of the country." H. A. Wagner, president of the association, announced that the organization hoped "to expose and rid the nation of these flourishing educational crooks, especially those operating in the technical and engineering field."

PROPERTY SUBJECT TO LIEN

By HARRY C. WESTOVER, Attorney-at-Law

This is the fifth of a series of articles on the California Mechanics' Lien Law as prepared by Harry C. Westover, attorney of Santa Ana, Calif. Other articles will appear from time to time.—EDITOR.

Section 1183 of the Code of Civil Procedure provides that "all persons performing labor upon or bestowing skill or furnishing materials to be used or consumed in or contributing to the construction, alteration, addition to or repair either in whole or in part of any building, wharf, bridge, ditch, flume, aqueduct, well, tunnel, fence, machinery, railroad, wagon road, or other structure or other work of improvement shall have a lien upon the property on which they have bestowed labor or furnished materials for the value of such labor done and materials furnished," and that "included within the meaning of the word 'improvement' shall be any seeding, sodding, or planting for landscape purposes or the demolition of buildings thereon or the removal of buildings therefrom made or done on such real property," shall have a lien upon the property upon which such labor or materials were used or furnished.

From the above it would seem that liens could be attached to any property on which such work had been done or materials furnished. Like other sections of the Mechanics Lien Law the section is too broad and although labor may be done and materials may be furnished, nevertheless liens cannot attach on all property.

Property is divided into two classes: Public and private property. Public property is property owned by the Government, State, County, School district, or other public sub-divisions. Private property is property owned by private individuals or private corporations or associations. Public property cannot be subjected to liens. Public debts can be paid in only one way; that is by taxation. Revenues obtained by taxation are divided into public funds and one furnishing labor or materials to a public body becomes a creditor of a specific fund and has no rights except with reference to such funds. Consequently a lien cannot be filed against public property.

Although public property cannot be subjected to liens the Mechanics Lien Law has nevertheless provided a way to reach money due on public work to the contractor. This is done by filing with the proper authorities a notice to withhold or what is commonly known as a "stop notice." The notice to withhold or stop notice will be discussed fully at a future date.

Liens may be filed on all kinds of private property, including homesteads. According to Section 1241 of the Civil Code, property set aside under the homestead law is subject to debts "secured by mechanics' contractors, sub-contractors, artisans, architects, builders, laborers of every class material men or vendors liens upon the property."

Section 1185 of the Code of Civil Procedure provides that the land upon which any building, improvement, well or structure is constructed together with a convenient space about the same, or so much as may be required for the convenient use and occupation thereof to be determined by the court on rendering judgment is also subject to a lien. Section 1191 specifically provides for a lien for the grading or improvement for any lot or tract of land and for the construction of streets, sidewalks, etc.

From the very beginning of the Mechanics Lien Law in California there has been considerable discussion as to what was the meaning of the word, structure. Under the Lien Law liens have been allowed on wells, ditches, etc., on the theory that they were structures within the meaning of the Mechanics' Lien Law. The Courts have held that a power line is a structure within the meaning of the Lien Law. In the case of the Western Electric Company vs. Cooley 79 Calif. Appellate 770 the Court stated "the term of other structure as used in the Code of Civil Procedure 1183 is not limited in its meaning to objects which are in kind similar either to a house, wharf, bridge, or wagon road, but includes all objects built upon the soil and in some instances extending beneath the surface of the soil which partakes of the nature of permanency."

Mechanics' Liens are not allowed for plowing and preparing land for crops but are allowed for the leveling and grading of a tract of land where the leveling and grading improves the land. In the case of Thomas vs. Gismegian 66 Cal. Dec. 84 the court held that a party was entitled to a lien for the grading and leveling of a tract of land where the work done so changed the surface of the ground so that it could be irrigated and was a permanent improvement on the land for which it was intended, namely farming by irrigation.

If a lien attaches to private property the question immediately arises as to what amount of private property the lien attach besides the actual ground on which the building or structure is located. Is it possible to lien a ten acre ranch for a house built on one corner of the ranch or must the lien claimant designate that portion of the ranch occupied by the house? In the case of Western Well Works vs. California Forms Co. 214 Pac. 491 the Court stated "In determining the amount of land necessary for the convenient use of an irrigation well, consideration should be given to the amount of land to be improved or benefited." In this case it was held that the limitation of a lien for work in constructing an irrigation well having when completed a capacity of 2,000 gallons per minute, to a circle of ground one hundred feet in diameter around the well was too narrow. "In determining the extent of a lien under 1185 C. C. P., the use for which the improvement was constructed, and not the use to which the land adjoining the improvement was to be put is the determining factor. The market value of improved land is not an element which the court is required to take in consideration and determining the extent of the lien."—Gregg vs. H. & M. Drilling Company—56 Cal. Appl. Dec. 510.

The land which is included in the term "convenient space or so much as may be required for the convenient use and occupation" is wholly a question of fact and varies in every case. The court must determine at the time of the trial the extent of the land covered by the terms convenient space and convenient use and occupation.

The land necessary for the convenient use and occupation of a dwelling house does not include a surrounding tract of several acres used for agricultural purposes although it is in one body; neither the productiveness of the soil nor the profits derived from its cultivation being material elements in determining the amount of land necessary for convenient use and

occupation. Gowan vs. Griffith 41 Pac. 42.

The use to which a building may be put may determine the land necessary to its convenient use and occupation. But this does not include adjacent area or structures necessary merely to create business or custom or furnishing supplies for the enterprise conducted in the building. The term "convenient use and occupation" means such space or area of land as is necessary to the enjoyment of the building for the purpose in view of its construction and the uses to which it is to be put, must manifestly many times determine the quantity of land necessary to the convenient use and occupation thereof." Tunis vs. Lakeport Assoc.—33 P-63.

TRADE LITERATURE

The Division of Simplified Practice of the Bureau of Standards, Department of Commerce, has just announced the availability of the printed booklet on the revised simplified practice recommendation for Lumber. A noteworthy feature of the present edition of this recommendation, copies of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., for 30 cents each, is the addition of approximately 200 illustrations, in perspective, of American Standard Moldings. These illustrations show true cross-sections drawn to actual scale and have imposed upon them the correct size and serial number. Hence, they can be used directly for design in both the manufacture and the specifications of moldings.

GROWTH OF LOS ANGELES HELD NEED FOR SKYSCRAPERS

Los Angeles must grow upward if it is to grow outward.

Skyscrapers in its commercial area are a necessity if its objective of becoming the largest city in the world in 50 years is to be realized. Charles F. Abbott, executive director of the American Institute of Steel Construction of New York, told delegates to the annual California conference of iron, steel and allied interests at Del Monte, Feb. 14.

In answer to an address given by William A. Simpson of the Los Angeles Chamber of Commerce, Abbott said that the steel industry would not profit by a loftier skyline in Los Angeles, because lighter steel is used in the upper stories than nearer the base. Steel sold in Los Angeles at present, he said, is "sprawled all over the county" instead of concentrated in the mid-town sector.

The institute he represents recently completed a survey showing that 65 stories was the correct economic height of a building located on land worth \$200 a square foot, Abbott said, adding that Los Angeles contains much downtown property valued at \$175 to \$250.

"If Los Angeles' building restrictions may be abrogated in favor of municipal buildings," Abbott asked, "why is it not fair to revise them to save the individual taxpayer and the public large losses inevitable under the present system?"

An open competitive examination for the position of assistant county architect, salary \$350 to \$400 a month, is announced by the Los Angeles County Civil Service Commission. Applications must be filed not later than February 28, March 7 is that date for the examination.

Building News Section

APARTMENTS

Plans Being Completed.
APARTMENTS Cost, \$75,000
SAN FRANCISCO. Cervantes & Scott Streets.
Three-story and basement frame and stucco apartments with tile roof (18 2- and 4-room apts.)
Owner and Builder—Ben. Liebman, Scott and Prado Sts.
Architect—Irvine & Ebbets, Call Bldg.
Sub-bids will be taken in about two weeks. Will contain all modern conveniences, including steam heat, hot water system, etc.

CARMEL, Monterey Co., Cal.—Hugh W. Comstock, Carmel, has purchased a site at Dolores and Seventh Ave. and will have plans prepared for a modern structure to contain stores on the ground floor with apartments above. The site is 80 by 100 ft. Will be of Spanish type of architecture. The site purchase and building will involve an expenditure of \$100,000.

Contract Awarded.
APARTMENTS Cost, \$375,000
LOS ANGELES, Cal. No. 625 S. Coronado Street.
Thirteen-story Class A reinforced concrete apartments (70x121 ft).
Owner—Tower Investment Syndicate.
Contractor—E. Leo Callahan.
Engineer—A. P. Callahan, 518 S. Carondelet St., Los Angeles.

Completing Plans.
APARTMENTS Cost, \$330,000
LOS ANGELES, Cal. SE Hobart Blvd and Sixth Street.
Nine-story, basement and sub-basement Class A reinforced concrete apartments (63x150 feet).
Owner—A. H. Kornblum.
Architect—Arthur I. Rouda, Lissner Bldg., Los Angeles.

Preparing Sketches.
APARTMENTS Cost approx. \$100,000
BERKELEY, Alameda Co., Cal. Location withheld.
Three-story frame and stucco apts.
Owner—Name Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contract Awarded.
APARTMENTS Cost, \$150,000
SEATTLE, Wash. 519 W Roy St.
Three-story, basement and sub-basement concrete and brick (54) apts. 126x104-ft.
Owner—Eastern Realty & Inv. Corp. Designer and Builder—Michael Leder, 701 McDowell Bldg., Seattle.

Plans Being Prepared.
APARTMENTS Cost, \$650,000
SAN FRANCISCO. California and Joyce Sts.
Sixteen-story class A steel frame and reinforced concrete apt. bldg. (399 rooms).
Owner and Builder—Marian Realty Co., 110 Sutter St.
Architect—H. C. Baumann, 251 Kearny Street.

To Be Done By Day's Work.
APARTMENTS Cost, \$60,000
SAN FRANCISCO. NE 11th Ave. and Kirkham St.
Three-story frame and stucco (30) apartments.

Owner & Builders—Ocean Const. Co., care Mortgage Agency Co., Russ Bldg.
Architect—None.

Plans Being Prepared.
APARTMENTS Cost, \$73,000
ALAMEDA, Alameda Co., Cal. NW Santa Clara Ave. and Caroline St.
Three-story and basement frame and stucco apartment (six 2-room, six 3-room and six 4-room apts.; all modern conveniences).
Owner—Blaine & Co., 369 Pine Street, San Francisco.

Plans by Owner.
City Planning Commission is meeting Feb. 26 to consider re-zoning district in which this structure will be located. If favorable consideration is given, bids will be called for.

Segregated Fluges Being Taken.
APARTMENTS Cost, \$210,000
OAKLAND, Alameda Co., Cal. 29th and Summit.
Six-story class C steel frame and concrete apartment building (144 rooms; garage for 30 cars).
Owner—Wm. Richardson, 506 15th St., Oakland.
Architect—W. Doctor, 506 15th Street, Oakland.
Owner taking segregated bids.

Sub-Contracts Awarded.
APARTMENTS Cost, \$150,000
SAN FRANCISCO. Ellis Street west of Larkin St.
Six-story class C steel frame and concrete apartments (40 two-room apts.)
Owner and Builder—J. G. Kincannon, 1706 Geary St.

Architect—H. C. Baumann, 251 Kearny Street.
Concrete—Bay Concrete Company, 365 Ocean Ave.
Structural Steel—Golden Gate Iron Works, 1541 Howard St.
Reinforcing Steel—W. C. Hauck Co., 61 Bluxome St.
Lumber—Smith Lumber Co., Fourth and Channel Sts.

BONDS

JAMESTOWN, Tuolumne Co., Cal.—Jamestown School District defeats proposal to issue bonds of \$17,243 to finance erection of a new school to replace structure destroyed by fire last year. The vote was 91 in favor and 74 against, a two-thirds majority being required to carry.

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Will solve your cutting problems.
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ELECTRIC DRILLS
GRINDERS, BUFFERS

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FORTUNA, Humboldt Co., Cal.—Election will be held March 7 in Fortuna Elementary School District to vote bonds of \$35,000 to finance erection of a new school. Trustees of the district are: Mary M. Morgan, P. A. Hugo and Francis M. Bruner.

SACRAMENTO, Cal.—Election will be held March 4 in Lisbon School District to vote bonds of \$15,000 to finance erection of a new school. Trustees of the district are: Manuel Enos, Joseph Lewis and Mrs. Mary C. Nevils.

BURLINGAME, San Mateo Co., Cal.—City council sets April 14 as date to vote bonds of \$65,000 to finance erection of a new library and equipment for same.

RED BLUFF, Tehama Co., Cal.—Election will be held April 14 to vote bonds of \$28,000 to finance remodeling of city hall.

ROSEVILLE, Placer Co., Cal.—Second election held in Roseville School District to vote bonds of \$80,000 to finance erection of a new school was defeated Feb. 27. The total vote was 453 of which 347 votes were against the issue.

RED BLUFF, Tehama Co., Cal.—City council sets April 14 as date to vote bonds of \$1,500 to finance improvements at Bidwell Airport.

CHURCHES

Preparing Working Drawings.
CHURCH Cost, \$700,000
SAN FRANCISCO. NE Ellis St. and Taylor St.
Six-story class A church and hotel-apt. building (girls' dormitory, stores, publishing house, etc.)
Owner—Glede Foundation (Mrs. L. H. Glede), 162 Uplands Ave., Berkeley.
Architect—James Plachek, Mercantile Bank Bldg., Berkeley.
Rev. R. W. Rollins will be pastor.
Plans will be ready for bids in about 60 days.

Plans Being Figured.
CHURCH Cost, \$10,000
FRESNO, Fresno Co., Cal.
Church.
Owner—Trinity Lutheran Church, Fresno.
Architect—Butner & Stranahan, Cory Bldg., Fresno and Glikbarg Bldg., Salinas.

Plans Being Figured—Bids Close Mar. 1st, 3 P. M.
CHURCH Cost, \$26,000
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete church building with tile roof.
Owner—Japanese Presbyterian Church.
Architect—Rollin S. Tuttle, Box C, Los Gatos.

Will contain church auditorium, social hall and Sunday school. Plans are on file in architect's office, and Mr. H. K. Sakata, 233 1st St., Watsonville, chairman of building committee.
Bids are being taken for a general contract with separate bids for warm air heating system.

Plans Being Figured.
CHURCH Cost, \$80,000
POMONA, Los Angeles Co., Cal. Glibba and Center Street.
 Three-story frame and stucco church.
 Owner—First Presbyterian Church of Pomona.

Architect—Marsh, Smith & Powell, Architects Bldg., Los Angeles.
Foundation—Campbell Constr. Co., Ontario.

Preliminary Plans Being Prepared.
CHURCH Cost, \$40,000
WATSONVILLE, Santa Cruz Co., Cal. One and two-story frame and stucco church.

Owner—First Methodist Episcopal Church (Rev. David Ralston, Pastor).
 Architect—Rollin S. Tuttle, Box C Los Gatos.

Campaign is now under way to finance construction.

EUREKA, Humboldt Co., Cal.—Methodist Church congregation has called a special meeting to consider proposals to sell the present church site at Third and H streets and apply the proceeds of the sale together with other monies toward the erection of a modern edifice on a new site.

Plans To Be Prepared.
CHURCH Cost, \$—
WILLOW GLEN, Santa Clara Co., Calif. W Lincoln Ave. near Nevada St.

Two-story Spanish type church to seat 180.
 Owner—First Christian Church.
 Architect—Blinder & Curtis, 35 W San Carlos St., San Jose.

FACTORIES AND WAREHOUSES

SALINAS, Monterey Co., Cal.—Fred McCrary, Salinas, at \$1219 awarded contract by city council to construct storeroom at the rear of the firehouse. F. C. Carlson or by other bidder at \$1425.

Plans Completed.
BOTTLING PLANT Cost, \$50,000
BURLINGAME, San Mateo Co., Cal. Two-story reinforced concrete bottling and pasteurizing plant.
 Owner—Withheld.
 Architect—Wm. H. Toepke, 71 New Montgomery St., San Francisco.
 Bids will be called for shortly.

RICHMOND, Contra Costa Co., Cal.—B. R. Brown, in charge of buildings and construction for the Ford Motor Co., 3674 Schaefer Road, Dearborn, Mich., advises Daily Pacific Builder that plans in connection with the proposed Ford plant at Richmond are at present only in the preliminary stage. No contract for the structure has been let. It is the company's intention, according to Brown, to send out drawings and specifications and receive competitive figures on all branches of the work.

OAKLAND, Calif.—Kenyon Electric Co., 526 13th St., Oakland, at \$8,750 submitted lowest bid to City Port Commission to furnish and install electric wiring and equipment for light and power in Transit Shed No. 2 on the Outer Harbor Terminal. Following is a complete list of the bids:
 Kenyon Electric Co. \$8,750
 T. L. Rosenberg 8,805
 Latourette-Fical Co., Oakland 8,840
 Roberts Mfg. Co., S. F. 8,877
 Advance Electric Co. 8,740
 B. R. Fritz Elec. Co. 9,955
 H. C. Reid & Co., S. F. 9,970
 NePage-McKenny Co., Oakland 10,530
 Bids held under advisement.

BERKELEY, Alameda Co., Calif.—Plant of San Francisco Sulphur Co. suffered \$20,000 fire damage Feb. 13.

Planned.
PACKING PLANT Cost, \$—
ONTARIO, San Bernardino Co., Cal. Euclid Avenue.
 One-story and basement white adobe packing plant (100x180 feet).
 Owner—Upland Mutual Groves, Inc.
 Architect—None.
 Contractor—The Mutual Orange Distributors, Redlands.

MODESTO, Stanislaus Co., Cal.—Garage Co., 912 9th St., Modesto, granted building permit by city council to erect a \$12,000 warehouse at the junction of the Tully Road with the State Highway.

BERKELEY, Alameda Co., Cal.—Gilmore Oil Co., will expend \$50,000 in the construction of a distributing and storage plant at Second and Gilman Sts. Construction will involve two 25,000-gal. storage tanks in addition to office and warehouse.

SAN FRANCISCO, Calif.—Aristo Painting Co., 473 Bryant St., at \$875, awarded contract by State Harbor Board Commissioners, for whitewashing shed on Pier No. 6. Atlas Spray Co., at \$875, submitted the only other bid.

YUBA CITY, Sutter Co., Calif.—Bids will be asked shortly by County Supervisors to erect a one-story frame and corrugated iron warehouse and shop, 40x50 ft., in Yuba City; estimated cost, \$3,000. Will have concrete floor.

STOCKTON, San Joaquin Co., Cal.—Gulf Red Cedar Co., Stockton, has purchased a 7-acre site adjoining the present plant and proposes to expand the present facilities to meet increased production. The company manufactures pencil slats and other cedar products.

Plans Being Prepared.
PLANT Cost, \$65,000
SAN JOSE, San Joaquin Co., Cal. NW First and W Reid St.
 One-story and mezzanine floor frame tire plant (98x132 ft.)
 Owner—Firestone Tire & Rubber Co., 111 Townsend St., San Francisco.
 Architect—Not Selected.
 Lessee—Fair-McQuoid Co., 397 S 1st St., San Jose.

Contract Awarded.
LABORATORY Cost, \$40,000
FRESNO, Fresno Co., Cal. Fresno and P Streets.

Two-story and basement reinforced concrete laboratory (75x150 ft.)
 Owner—Twining Laboratories, Fresno
 Architect—Butner & Stranahan, Cory Bldg., Fresno, and Glibbarg Bldg., Salinas.
 Contractor—Fisher & McNulty, Matell Bldg., Fresno.

Construction To Start Shortly.
COTTON GIN Cost, \$30,000
SHAFTER, Kern Co., Cal. Santa Fe reservation.
 Cotton gin.
 Owner and Builders—S. A. Camp, H. A. West and L. L. Lawe, Shafter.
 Architect—None.

Planned.
STORAGE PLANT Cost, \$—
TAFT, Kern Co., Calif.
 One-story fireproof storage plant (24x 115-ft)
 Owner—San Joaquin Light & Power Company.
 Plans by Owner.

Contracts Awarded.
DAIRY Cost, \$125,000
 with equipment

FRESNO, Fresno Co., Cal. Mary and Hamilton Aves.
 Reinforced concrete dairy.
 Owner—Canham Dairies, Ltd.
 Architects & Mgr. of Const.—Shields Fisher & Lake, Pacific Southwest Bldg., Fresno.

Carpentry and Concrete Work—E. J. Heffner, 233 N Broadway, Fresno.
Masonry—Paul Kinder, 145 N Van Ness Ave., Fresno.
Plastering—Fred Low, 3244 Alta St. Fresno.

Roofing—Valley Lumber Co., H and Mono Sts., Fresno.

Plumbing—Barrett - Hicks Co., 1031 Broadway, Fresno.

Wiring—Wessel Elec. Co., Fresno.

LONG BEACH, Los Angeles Co., Cal.—Stone & Webster, H. F. Hendrickson, local manager, Laughlin Bldg., are taking bids for ten thousand (10,000) raw untreated piles and thirty-four hundred (3400) creosoted piles for the plant on W. Seventh St., Channel No. 2, Long Beach Harbor, for Proctor & Gamble, soap manufacturers. Plans are now being completed and bids will be taken soon for pile driving and twenty-six other segregated contracts. The plant will include a main building of six-stories, 400x100 feet, reinforced concrete construction, roof alab and floor construction, steel sash elevators, etc. There will also be two other buildings of five stories, 100x135 feet, probably steel frame construction and a reinforced concrete power house. The cost of land, equipment and buildings will represent an investment of \$5,000,000.

Plans Being Prepared.
FACTORY Cost, \$—
SAN FRANCISCO, NW Seventh and Brannan Sts. (110x160 ft.)
 Two-story, basement and mezzanine floor brick factory.

Owner—N. A. Petersen, President California Supply Co.
 Architect—Kraft & Son, Phelan Bldg., San Francisco.

Plans will be ready for bids in about two weeks.

Plans Being Prepared.
FACTORY Cost, Approx. \$300,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.

Extension to present three-story building and new brick, steel and concrete factory.

Owner—Consolidated Chemical Industries, San Francisco.
 Architect and Contractor—Austin Co. of California.

FAIRFIELD, Solano Co., Cal.—Construction will be started shortly by Henry Goosen, sheet metal contractor, on a new sheet metal plant, 30 by 50-ft., adjoining the present plumbing shop in Webster St.; corrugated iron construction.

RENO, Nevada.—Jack Threlker, operating the Reno Garage at First and Center Sts., has purchased a 4-acre site on the highway between Reno and Sparks and will erect a warehouse for the storage of automobiles and miscellaneous equipment.

Plans being completed.
DAIRY Cost, \$14,000
SAN JOSE, Santa Clara Co., Calif. Race St.

One-story reinforced concrete wholesale dairy.
 Owner—L. C. Ross, 965 Willow Glen Way, San Jose.

Architect—Wolfe & Higgins, Realty Bldg., San Jose.
 Bids will be taken in one week.

HANFORD, Kings Co., Calif.—Bottling works and packing plant of the Schnereider and Downing Corp. and the Mt. Whitney Corp. destroyed by fire Feb. 15. The loss is estimated at \$50,000, partially covered by insurance.

SAN FRANCISCO—American Laundry Machinery Co., 921 Howard St., awarded contract by Board of Supervisors to furnish and install laundry machinery in city prison, as follows: One washer, 28x48 inches; single geared Sterling Monel metal washer for \$1,450. One extractor, 24 inches; American under-driven solid curb extractor, laundry type, vertical motor driven, for \$828.00. Above machines f. o. b. laundry room, City Prison, set in place ready for other contractors to make the necessary steam, water and electrical connections.

COLUSA, Colusa Co., Cal.—Frank S. Hinokli, 121 8th St., will have plans prepared for a modern dyeing and cleaning establishment to replace the present plant.

OAKLAND, Cal.—Jean Caballero, files application with the city council seeking authorization to install a 100-horsepower steam boiler at 3429 San Pablo Ave. in connection with a steam laundry.

GARAGES AND SERVICE STATIONS

REDWOOD CITY, San Mateo Co., Cal.—R. W. Arata seeks authority of city council to erect and maintain a service station at Beach and El Camino Real. Referred to City Planning Commission for report.

SAN JOSE, Santa Clara Co., Cal.—Construction will be started shortly by the Union Oil Co. on a super-service station at the junction of Market, First and Williams Sts., it is announced by Jas. C. Wagner district manager for the company. Site has a 150-ft. frontage on two streets.

Contract Awarded.
SERVICE STATION Cost, \$6,145
STOCKTON, San Joaquin Co., Calif.
NW Stanislaus and Miner Ave.
Super service station
Owner—Geo. Finkbohner, Stockton.
Architect—Glenn Allen, Union Block Bldg., Stockton.
Contractor—J. J. Cavanaugh, 219 N Sutter St., Stockton.
Lessee—Richfield Oil Co.
Other bidders were: J. A. Allen, Stockton, \$6,650; Geo. H. Murphy, Stockton, \$7,136.

SAN BRUNO, San Mateo Co., Cal.—Brook & Farr, Burlingame, have started erection of a \$12,000 super-service station at El Camino Real and San Mateo Ave., for the Union Oil Company.

BOYES SPRINGS, Sonoma Co., Cal.—Moon Service Station on the state highway was destroyed by fire Feb. 11 with a loss of \$6000 of which \$3000 is covered by insurance. The station was owned and operated by Spatharas Bros.

BERKELEY, Alameda Co., Cal.—Application of Union Oil Co. to erect a service station at Carlton St. and Telegraph Ave., has been referred to the City Planning Commission for recommendation.

OAKLAND, Calif.—Frank Proctor granted permit by city council to erect and maintain an auto service station at the SW corner of 13th and Webster Streets.

SAN BRUNO, San Mateo Co., Cal.—Union Oil Co., authorized by city trustees to install two underground storage tanks at El Camino Real and San Mateo Ave., one of 1,000 gal. and another of 550 gal. capacity, of 12-gauge galvanized steel.

Terra Cotta Contract Let—Sub-Bids Wanted.

GARAGE Cost, \$153,470
SACRAMENTO, Sacramento Co., Cal. One-story reinforced concrete garage. Owner—Pacific Telephone and Telegraph Co., 140 New Montgomery St., San Francisco.
Architect—Eng. Dept. of Owner.
Contractor—MacDonald & Kahn, Financial Center Bldg., San Francisco.

Terra Cotta—N. Clark & Sons, 116 N. 16th St., San Francisco.

Sub-bids are being taken on all other portions of the work.

OAKLAND, Calif.—W. S. Vierra, 1579 Fifth St., Oakland, granted permit by City Council to erect and maintain an auto service station at Thirtieth and Webster Sts.

To Be Done By Day's Work.
WAREHOUSE, ETC.

Cost, (first unit) \$25,000
Ultimate cost, \$200,000
STOCKTON, San Joaquin Co., Calif.
N El Dorado St. and Lindsay.
Brick tire warehouse and super-service station (150,000 sq. ft.)
Owner—Firestone Tire & Rubber Co.
Architect—Chas. McCall, 1404 Franklin St., Oakland.

Work will be done by day's labor by owners. Permit for first unit has been applied for. Will contain modern vulcanizing and tire repair shop, a space for batteries and ignition service, a brake lining and adjusting station, an up-to-date wash and greasing rack and a gasoline and oil station.

Bins In—Held Under Advisement.

GARAGE Cost, \$40,000
SAN JOSE, Santa Clara Co., Calif.
Market and Balbach Sts.
Two-story steel frame and concrete garage.
Owner—Paul Masson, San Jose.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Lessee—Picchetti Bros. & Co., Nash Dealers, San Jose.

Contract Awarded.
AUTO BLDG. Cost, \$—
MARYSVILLE, Yuba Co., Cal. E St. bet. 4th and 5th Sts.
Two-story reinforced concrete auto building (32,000 sq. ft. floor space)
Owner—Arnot Motor Co.
Architect—James S. Arnot, 6015 Hille Gas Ave., Oakland.
Contractor—E. H. Reilly, care architect.

GOVERNMENT WORK AND SUPPLIES

Contract Awarded.
EXTENSION Cost, \$133,500
SAN DIEGO, Cal. Naval Operating Base (Air Station).
Reinforced concrete structural steel extension to shop.
Owner—Bureau of Yards & Docks, Navy Dept., Washington, D. C.
Architect—Supervising Arch., Washington, D. C.
Contractor—Anton Johnson Co., 517 El Centro St., South Pasadena.

HAWTHORNE, Nevada.—Bureau of Yards and Docks, Navy Department, Washington, D. C., is completing Specification No. 6110, for scales for the Naval Ammunition Depot at Hawthorne. The work consists of one 100 ton (200,000-lb.) railroad track scale, one 15-ton (30,000-lb.) motor truck

scale and the services of an expert erector to supervise and assist in the installation, all complete. When available, plans and specifications may be obtained from the District Public Works Officer, Room 513, 100 Harrison St., San Francisco, Calif., upon deposit of \$10.00 check or money order payable to the Chief of the Bureau of Yards and Docks.

PALO ALTO, Santa Clara Co., Cal.—Minton Co., Mt. View, at \$2,108 submitted lowest bid to Ernest C. Hunter, Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to erect can washing house.

Following is a complete list of the bids:

The Minton Co., Mt. View.....	\$2,180
A. F. Anderson, Oakland.....	2,382
Thermotte Const. Co., San Jose.....	2,485
Geo. Swannstrom, Oakland.....	2,575
Grant L. Miner, Palo Alto.....	2,966
J. A. Bryant, San Francisco.....	3,250
Clinton Stephenson Co., S. F.....	3,257

Bids referred to Washington for award.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules. Further information is obtainable from the Navy Purchasing Office, 100 Harrison St., San Francisco:
Bids Open March 4

Sch. 2835, Mare Island, 7500 ft. rubber air hose.....	
Sch. 2853, New York or San Francisco, 9000 sq. ft. magnesia block.....	
Sch. 2849, Puget Sound, 25,000 lbs. steel tees.....	
Sch. 2860, Mare Island, 56 prs. hand irons and 8 prs. leg irons.....	
Sch. 2858, Puget Sound, copper-nickel-alloy, bar.....	
Sch. 2873, eastern and western yards chain (coil, jack, plumbars, etc.).....	

HONOLULU, T. H.—Otis Elevator Co., Washington, D. C., at \$9864 awarded contract by Supervising Architect, Treasury Department, Washington, D. C., to furnish and install one passenger and freight elevator in courthouse, post office and custom-house at Honolulu.

PEARL HARBOR, T. H.—Until March 19, 11 A. M., under Specification No. 6037, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for reinforced concrete pier, quays and bulkhead including piping and electrical work at Naval Operating Base, (Naval Station and Submarine Base, Pearl Harbor, T. H. Plans obtainable from Bureau at Washington, or the Commandant at the Naval Operating Base, Pearl Harbor or the Commandant of the Mare Island, Calif., Navy Yard, on deposit of \$25, deposit to be made payable to Chief of the Bureau of Yards and Docks.

See notice under official proposal section in this issue.

PALO ALTO, Santa Clara Co., Calif.—J. P. Lawler, 242 17th Ave., San Francisco, at \$649, submitted lowest Construction, U. S. Veterans' Hospital, to E. C. Hunter, Superintendent of tal, to lay pavement and build concrete curbs and gutters for parking space in rear of Nurses' Quarters at Palo Alto Veterans' Hospital.

Following is complete list of bids: J. P. Lawler, San Francisco, \$649, 35 days; W. O. Tyson, Redwood City, \$665; V. Freeman, Palo Alto, \$780; Cavanaugh Const. Co., Menlo Park, \$800. Bids referred to Washington for award.

SAN DIEGO, Calif.—Anton Johnson Co., 517 El Centro St., South Pasadena sub. low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., February 12th at \$133,500 for extending an erection shop and a battery and metal shop at the Naval Operating Base (Air Station), San Diego. Next two lowest bidders were: R. E. Campbell, Los Angeles, \$141,711; F. F. Greenfield Co., Los Angeles, \$146,110. The work involves plain and reinf. conc., structural steel, steel doors and windows, brick and hollow tile, wood sheathing, wood block floors, composition roofing, sheet metal, pipe lines, heating and ventilating and electric wiring and power and telephone systems. Spec. No. 5932. Bids helds under advisement.

Plans Being Prepared.

REFRIGERATOR Cost, \$—
SAN FRANCISCO. Letterman General Hospital.

Mortuary refrigerator (6 bodies and refrigerator for serum).

Owner—United States Government.
Architect—Constructing Quartermaster, Fort Mason.

Plans will be ready for bids in three weeks.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Until March 26, 11 A. M., under Specification No. 5945, bids will be received by Public Works Officer, Twelfth Naval District, 100 Harrison St., San Francisco, for cleaning and painting two 225-ft. wood lattice masts, including steel connections, bolts, etc., at the U. S. Naval Radio Station at South San Francisco. Spec. obtainable from the Commandant at the Navy Yard, Mare Island, on deposit of \$5, checks to be made payable to the Chief of the Bureau of Yards and Docks. Deposit is returnable.

SAN FRANCISCO.—M. B. McGowan 71 New Montgomery St., at \$4,538 awarded contract for repairs to East Garrison Wharf, Coal Bunker Wharf and West Garrison Wharf at Fort McDowell.

SACRAMENTO, Cal.—Until February 25, 11 A. M., under Order No. 1700, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver 36-in. 14-gauge galv. iron corrugated culvert pipe, together with angle rinks, self angles, manholes, etc., in connection with 18 complete gage houses, the material to be ordered as required. Further information obtainable from above.

SAN FRANCISCO.—P. F. Speidel, 185 Stevenson St., at \$556 awarded contract by Constructing Quartermaster, Fort Mason, to construct cement floors in basement of Psychopathic Ward No. 62 at Letterman General Hospital.

SEATTLE, Wash.—Until March 10, 10 A. M., bids will be received by Bureau of Fisheries, 1616 Smith Tower Bldg., Seattle, to furnish dry rendering cookers and high-pressure extractors for rendering fur seal carcasses. Specifications obtainable from above office.

SEATTLE, Wash.—Eivind Anderson, 517 North 1 St., Tacoma, at \$517,588, time for completion 500 days, awarded contract by Supervising Architect, Treasury Department, Washington, D. C., to erect immigration station and assay office at Seattle. Otis Elevator Co., Washington D. C., at \$20,663 awarded contract for elevator in connection with the same project.

SAN FRANCISCO.—Until March 4, under Circular No. 70, bids will be received by Signal Section, San Francisco General Depot, Presidio, to furnish and deliver 50 key levers, 65 resistances, 200 binding posts, 180 condensers, 228 do, 49 telephone switchboard relays, 20 do. Further information obtainable from above.

OAKLAND, Fresno and Saugus, Calif.—Until February 27, 2 P. M., bids will be received by Chief Clerk, Department of Commerce, Washington, D. C., to furnish and erect 5 wood masts (poles) at each of the following locations: Oakland, Fresno and Saugus, Calif. Blanks for bidding together with specifications obtainable from above.

FORT LEWIS, Wash.—Until March 19, 11 A. M., bids will be received by Lieut. Leander Larson, constructing quartermaster, Fort Lewis, to replace temporary structures with permanent buildings, involving three company officers' quarters, 11 non-commissioned officers' quarters, one field officers' quarters, and one nurses' quarters. All structures will be of brick and tile construction with individual coal heating plant with exception of nurses' quarters to be heated by oil. Total estimated cost \$150,000. Plans obtainable from constructing quartermaster, Fort Lewis, on deposit of check payable to the "Treasurer of the U. S." in amounts as follows: Nurses' quarters, \$25; field and company officers' quarters, \$15; non-commissioned officers' quarters, \$10.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
ALTERATIONS Cost, \$11,500
OAKLAND, Alameda Co., Cal. Castlewood Country Club.
Alterations and additions to locker rooms in club house.
Owner—Castlewood Country Club, Inc.
Architect—Edward T. Foulkes, 357 12th St., Oakland.
Contractor—F. C. Stolte, 11 Glen Alpine, Piedmont.

Bids Opened—Under Advisement.
LODGE BLDG. Cost, \$40,000
MARTINEZ, Contra Costa Co., Cal. Two-story class C brick and steel lodge building.
Owner—Masonic Hall Assn., Martinez.
Architect—Russell Guerne De Lappe, 1710 Franklin St., Oakland.
A total of 99 bids was received on this project. General contract bids follow:
Wallace Snelgrove, Richmond, \$41,417
Martinez Const. Co., Martinez, 42,617
L. M. Bruce, Pleasanton, 50,655
Low bids on the segregated basis total \$38,328. It has not been determined whether this project will be let under a general or under the segregated basis.

Preparing Working Drawings.
LEGION BLDG. Cost, \$—
EMERYVILLE, Alameda Co., Cal. American Legion building.
Owner—County of Alameda.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Plans will be started shortly on two memorial buildings for Livermore and Hayward; \$200,000 will be available for three buildings.

Plans To Be Prepared.
GYMNASIUM Cost, \$35,000
VALLEJO, Solano Co., Cal. York and Santa Clara Sts.
One-story gymnasium (type of construction not decided; 90x56-ft.)
Owner—Naval Y. M. C. A. (W. T. Wilkie, manager), Vallejo.
Architect—Not Selected.

Preparing Plans.

CLUB Cost, \$175,000
LOS ANGELES, Cal. North Main St. Two-story Class A reinforced concrete club (80x100 feet).
Owner—Italian American Welfare League.
Architect—Armand Monaco, Pershing Square Bldg., Los Angeles.

MARTINEZ, Contra Costa Co., Cal.—Until March 17, bids will be received by county supervisors for repainting Legion Memorial Hall Building at Richmond. Estimated cost \$700. Specifications obtainable from the county clerk at Martinez.

NAPA, Napa Co., Cal.—Napa Masonic Hall Assn. has started campaign to raise \$60,000 to finance remodeling and making of additions to the present temple in Second St., it was announced by H. L. Johnson, president of the hall association. The building committee consists of W. N. Atwood, E. L. Bickford, R. M. Butler, C. D. Clark, B. C. Corlett, S. H. Errington, N. F. Coombs, H. C. Gesford, Chas. Grady, H. L. Johnston, D. T. Keig, Judge P. S. King, Harry Morris, Dr. D. H. Murray, A. G. Prouty, H. E. Roper, T. H. Townsend, C. E. Trover, Dave Shwarz.

Plans Being Figured—Bids Close March 11th, 11 A. M.
MEMORIAL BLDG. Cost, \$60,000
ORLAND, Glenn Co., Cal. Two-story reinforced concrete American Legion Memorial Bldg.
Owner—County of Glenn.
Architect—J. C. Petersen, California State Life Bldg., Sacramento.
Will have stucco finish with varicolored terra cotta trimmings. Auditorium will seat 1200 and will be 112x60-ft., club room 37x21-ft., Legion Hall 23x32-ft., recreation room, 21x24-ft. Exterior finish of gum wood and white maple floor in auditorium. Plans are on file in the office of the county clerk at Willows and are obtainable from the offices of the architect.

Sub-Contracts Awarded.
CLUB BLDG. Cost, price, \$297,000
BERKELEY, Alameda Co., Cal. Durant Ave. bet. Ellsworth and Fulton Streets.
Six-story class A club building; swimming pool, banquet halls, reception rooms, dormitories and roof garden.
Owner—Berkeley Women's City Club.
Architect—Miss Julia Morgan, Merchants Exch. Bldg., San Francisco.
Contractor—K. E. Parker, 135 S Park St., San Francisco.
Grading—Ariss - Knapp Co., 961 41st St., Oakland.
Plumbing and Heating—Mechanical Contracting Co., 83 Shipley Street, San Francisco.
Reinforcing Steel—Soule Steel Co., Rialto Bldg., San Francisco.
Steel Windows—Michel & Pfeffer Iron Works, Harrison and 10th Streets, San Francisco.

WILLOWS, Glenn Co., Cal.—County supervisors have authorized H. S. Crocker Co. of San Francisco, to furnish and install 189 additional chairs in Willows Memorial Auditorium.

FRESNO, Fresno Co., Cal.—Proposal to erect a clubhouse for 4-H Club members at Whitaker Forest is being considered by the Fresno County Farm Bureau. The Riverdale Center has agreed to pay one-third the cost of the proposed structure.

YREKA, Siskiyou Co., Cal.—Ross Nelson Post, American Legion plans erection of a one-story, 80 by 100 ft. club building to contain banquet room, club quarters and rest rooms. An architect is yet to be selected.

ARCATA. Humboldt Co., Calif.—Until March 11, 2 P. M., bids will be received by County Supervisors at Eureka, to erect American Legion Memorial Building at Arcata. Newton Ackerman, architect, 102 W. Fourth St., Eureka. Plans obtainable from Fred M. Kay, County Clerk at Eureka.

HAWTHORNE, Nevada.—Knights of the Lodge of Hawthorne plans early construction of a two-story concrete lodge, store and apartment building. Lower floor would provide dorm rooms and stores on the ground floor with apartments above.

Plans Being Completed.
UDITORIUM Cost first unit, \$150,000 (Total cost, \$500,000)
ENO, Nevada. First and Chestnut Streets.
Two-story and basement class A concrete and steel Scottish Rite Auditorium.
wner.—Scottish Rite Masonic Temple Association.
rchitect.—Carl Werner and S. Helman associated, 605 Market St., San Francisco.
Bids will be taken in about 2 weeks.

HOSPITALS

Contract Awarded.
IPING SYSTEM Cost, \$—
AN JOSE, Santa Clara Co., Calif.
County Hospital grounds.
Iping system for laundry.
wner.—County of Santa Clara, Henry A. Pfister, county clerk.
rchitect.—Binder and Curtis, 85 W. San Carlos St., San Jose.
ontractor.—A. J. Peters, 455 E. Washington St., San Jose.
Following is a complete list of bids:
J. Peters, San Jose.....\$1,100
Mara & Stewart, E. F.....1,194
C. Flint.....1,200
/m. Serpa, San Jose.....1,270
erman & Motzen.....1,389
Pascoe, San Jose.....1,425

Plans Being Completed.
OSPITAL Cost, \$100,000
RESCENT CITY, Del Norte Co., Cal.
Ocean Shore Drive at Battery Pt. wo-story 20-bed reinforced concrete class C hospital building, 70x150-feet.
wner.—G. O. Knapp, Crescent City.
rchitect.—Martin Sheldon, 950 Monadnock Bldg., San Francisco.
onsulting Architect.—Carleton Winslow.
ontractor.—Richard Hensen, Crescent City.
Plans will be ready for sub-bids about March 1st.
The X-ray equipment contract has been awarded to the Bush Electric Corp., 909 Hyde St., San Francisco.

SAN FRANCISCO.—Board of Health has approved plans of the Bureau of Architecture, Board of Public Works, or Emergency Hospital to be erected at Alamyra Blvd. and Ocean Ave. Estimated cost \$49,000. Will contain 10 wards, one of 10 beds for men, and one of six for women, in addition to cells for alcoholics. Further information will be made of this work when bids for construction are asked.

Contracts Awarded.
HNEX Cont. price, \$95,900
AN FRANCISCO. Laguna Honda Home.
ass A (Ward F) annex to Relief Home.
wner.—City and County of San Francisco.
rchitect.—Hyman and Appleton, 68 Post St.
ontractor.—Spivock & Spivock, Hobart Bldg.

Reinforcing Steel.—Pacific Coast Steel Co., 111 Sutter St.
Concrete.—Golden Gate Atlas Material Co., 16th and Harrison Sts.
Cement.—Pacific Portland Cement Co., 111 Sutter St.
Mill Work.—Anderson Bros. Planing Mill, Quint and Custer Sts.
Patent Hardware.—Hauser Window Co., 1370 Harrison St.
Terra Cotta.—N. Clark & Son, 116 Natoma St.
Miscellaneous Iron.—F. Kern & Sons, 517 6th St.
Plastering.—S. m Greenbach, Hearst Bldg.
Marble.—Eisele & Dondero, 2895 3rd Street.
Painting.—D. Zelinsky and Son, 165 Grove St.
Finish Hardware.—Lee Hardware Co., 151 New Montgomery St.
Lumber.—J. H. McCallum, 748 Bryant Street.
Steps.—Gunn, Carle & Co., 444 Market Street.
Linoform.—Butler Bros., Howard and Fremont Sts.
Roofing and Roofing Tile.—Alta Roofing Co., 876 Indiana St.

Bids Opened.
STORAGE VAULT Cost, \$—
SAN FRANCISCO. 21st and Potrero Avenue.
Fill storage vault (on roof of San Francisco Hospital)
Owner.—City and County of San Francisco.
rchitect.—Bureau of Architecture, 2nd floor, City Hall.
(a) add; (b) deduct.
Frank J. Reilly, 6350 Fulton St., \$9.-58 (a) \$3; (b) \$2.
E. K. Nelson, \$11,275; (a) \$3; (b) \$1.75.
S. Rasori, \$11,700; (a) \$2.61; (b) \$2.61.
Vogt & Davidson, \$12,867; (a) \$3; (b) \$2.
Spivock & Spivock, \$13,300; (a) \$3; (b) \$2.
C. C. W. Haun, \$13,610; (a) \$3; (b) \$2.00.
Fred E. Reuter, \$13,739.90; (a) \$3; (b) \$3.
F. L. Hansen, \$13,750; (a) \$250.
J. A. Grant, \$13,860; (a) \$3; (b) \$2.

LOS ANGELES, Cal.—Until 2 P. M. March 3, bids will be received by the county supervisors for a concrete smokestack to be erected adjoining east wall of powerhouse at Los Angeles General Hospital. Will be 130 ft. in height with inside dia. of from 7 ft. 10½-in. to 6-ft. Plans on file at office of Mame B. Beatty, 303 Hall of Records.

Planned.
DORMITORIES Cost, \$—
REDLANDS, San Bernardino Co., Cal.
William P. Greiner Shrine Home
Two one and two-story frame and stucco dormitories, 50x70 ft. (accommodate 32 boys).
Owner.—William P. Greiner.
Plans by Owner.

Plans being completed.
DETENTION HOME Cost, \$30,000
SALINAS, Monterey Co., Calif.
County detention home (accommodation for 20 children).
Owner.—County of Monterey.
rchitect.—Reed & Corlett, Oakland Bank Bldg., Oakland.
Bids will be taken in about ten days.

EUREKA, Humboldt Co., Calif.—Until March 11, 2 P. M., bids will be received by Fred M. Kay, County Clerk, to construct a covered passageway leading from the new County Hospital to the County Relief Home. Newton Ackerman, architect, 102 W. Fourth St., Eureka. Plans are on file in the office of the clerk.

Plans being completed.
HOSPITAL Cost, \$400,000
PALO ALTO, Santa Clara Co., Calif.
On Ste Highway north of Palm Drive.
Four-story reinforced concrete hospital (100-bed capacity).
Owner.—City of Palo Alto.
rchitect.—Reed & Corlett, Oakland Bank Bldg., Oakland.
Plans will be ready for bids about March 1.
Laundry, heating plant, kitchen and store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and third floors will be devoted to accommodation of patients in addition to two, three and four-room wards and 15-room nursery. Large sun porch will also be located on second floor. Fourth floor will be given over to surgery. (2503) 1st report July 23; 4th report Dec. 27, 1929.

EUREKA, Humboldt Co., Calif.—Until March 11, 2 P. M., bids will be received by Fred M. Kay, County Clerk, to erect two additional cottages for the Tuberculosis School at the County Hospital grounds. Bids will also be considered, at the same time, to erect a school cottage. Newton Ackerman, architect, 102 W. Fourth St., Eureka. Plans are obtainable from the office of the clerk.

EUREKA, Humboldt Co., Calif.—Until March 11, 2 P. M., bids will be received by Fred M. Kay, County Clerk, to construct underground steam conduits and connections leading from the boiler house to the various units of the new County Hospital group, also for boiler house mechanical equipment. Leland & Halev engineers, 58 Sutter St., San Francisco. Newton Ackerman, architect, 102 W. Fourth St., Eureka. Plans are obtainable from the office of the County Clerk.

FRESNO, Fresno Co., Cal.—Harvey Bailey, president of the Fresno-Santa Cruz Investment Co., operating a rest-home in Santa Cruz, are negotiating for a site on which to erect a \$40,000 maternity hospital. The investment company, formed by businessmen of Fresno and Santa Cruz, intends to enter other business projects in addition to operating the hospital.

FORTUNA, Humboldt Co., Calif.—Until March 11, 2 P. M., bids will be received by the County Supervisors at Eureka to erect American Legion Memorial Hall at Fortuna. Newton Ackerman, architect, 102 W. Fourth St., Eureka. Plans are obtainable from Fred M. Kay, County Clerk, at Eureka.

Low Bidder.
HOSPITAL WING Cost, \$139,533
PHOENIX, Arizona. Good Samaritan Hospital.
Three-story class A reinf. concrete hospital wing, laundry and heating plant (47x155-ft.).
Owner.—Good Samaritan Hospital.
rchitect.—Lescher & Mahoney, First National Bank Bldg., Phoenix.
Low Bidder.—Wm. Peper, Heard Bldg., Phoenix.

VISALIA, Tulare Co., Calif.—Dr. Gilbert S. Furness, 120 N. Church St., Visalia, announces bids will be asked shortly to erect a \$50,000 brick hospital building in the area bounded by Willow, Baker and Mineral King Aves. The structure will be financed by the recently organized Kaweah Hospital, Inc., Ltd., of which Dr. Furness is president.

Plans Being Prepared.
MOTHER HOUSE Cost, \$95,000
 SAN JOSE, Santa Clara Co., Calif.
 Mission San Jose.
 Three-story reinforced concrete mother house.
 Owner—Dominican Sister Mission, San Jose.
 Architect—Arnold Constable, 580 Market St., San Francisco.

Structural Steel Contract Awarded.
SANITARIUM Cost, \$—
 ST. HELENA, Napa Co., Cal.
 Five-story steel frame sanitarium.
 Owner—St. Helena Sanitarium.
 Engineer—James Smith, 251 Kearny St., San Francisco.
Structural Steel—Judson - Pacific Co., San Francisco.

Plans Complete.
ADDITION Cost, \$125,000
 SAN FRANCISCO, Mission St. and Silver Ave.
 Rein. concrete wing addition to present building.
 Owner—Hebrew Home for Aged.
 Architect—Hyman & Appleton, 68 1/2 Post St.
 Specifications are being written. Bids will be called for in about two weeks.

Contract Awarded.
LAUNDRY Cost, \$15,000
 SAN JOSE, Santa Clara Co., Calif.
 County Hospital grounds.
 One-story reinforced concrete laundry with steel trusses.
 Owner—County of Santa Clara, Henry A. Pfister, county clerk.
 Architect—Binder and Curtis, 85 W San Carlos St., San Jose.
 Contractor—Wm. Meyer, San Jose, \$14,886.
 Following is a complete list of the bids:
 Wm. Meyer\$14,886
 F. T. Edmans, San Jose.....14,676.
 The Minton Co., Mt. View.....14,784
 E. K. Nelson, Redwood City.....14,925
 P. Neves, San Jose.....14,987
 N. S. Swensen, San Jose.....15,360
 Collins & Martin, San Jose.....16,200
 P. C. Jorgensen, San Jose.....16,300
 George Honore, San Jose.....16,996

Low Bidder.
ALBERENE WORK Cost, \$223,814
 LOS ANGELES, Cal. County Hospital.
 All Alberene work for hospital.
 Owner—County of Los Angeles.
 Architect—None.
 Low Bidder—Hilgartner Marble Co., E 26th St., and Musto-Keenan Co., 1801 S Soto St., Los Angeles.

Low Bidder.
HOSPITAL Cost, \$223,814
 LOS ANGELES, Cal. County Hospital
 Marble and tile for County Hospital
 Owner—County of Los Angeles.
 Architect—None.
 Low Bidder—Hilgartner Marble Co., E 26th St., and Musto-Keenan Co., 1801 S Soto St., Los Angeles.

Preparing Preliminary Plans.
ADDITIONS Cost, \$—
 SAN LUIS OBISPO, San Luis Obispo Co., Cal.
 Additions to hospital and nurses' home (offices, etc.; class C brick construction).
 Owner—Drs. Gallup & Mugler, San Luis Obispo.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Planned.
SANITARIUM Cost, \$—
 FRESNO, Fresno Co., Cal. Burnett Sanitarium.
 Fireproof vault for X-ray storage and installation of file doors.
 Owner—Burnett Sanitarium, Fresno.
 Architect—None.

HOTELS

Plans Being Completed.
HOTEL Cost, \$100,000
 BLUE LAKE, Lake Co., Cal. 250-acre tract.
 Three-story frame and stucco hotel (224x126-ft.)
 Owner—Blue Lakes Hotel & Resort Corp., Harry W. Kemp, president.
 Architect—Chas. Strothoff, 2274 15th St., San Francisco.
 Will contain 48 rooms, all of which will have private bath. Steam heating; glass enclosed porches. Basement will provide dressing rooms for bathers, a barber shop and five store rooms. Others interested in the company are: Herbert V. Keeling, Lakeport, attorney, secretary-treasurer; Mrs. Maude A. Kemp, T. W. Hawley and John R. Stalder, directors. Bids will be taken in about three weeks.

Preliminary Plans Being Prepared.
HOTEL Cost, \$2,000,000
 SAN DIEGO, Calif. Block bounded by Fifth Ave., Sixth, Elm and Fir Streets.
 Limit-height class A hotel.
 Owner—Compagnia Mexicana del Rosario, S. A. (M. Penn Phillips, 714 S Hill St., Los Angeles).
 Architect—Gordon E. Mayer, 303 Bank of Italy Bldg., San Diego.

Plans Being Prepared.
ALTERATIONS Cost, \$—
 SAN FRANCISCO, St. Francis Hotel.
 Alter Mural room for sweet shop (new entrance on Powell St. side; redecorate and furnish).
 Owner—St. Francis Hotel (John McCabe, manager).
 Architect—W. B. Faville, Crocker 1st National Bank Bldg.
 One hundred thousand dollars is to be expended, including furnishings and construction. Also, on April 1st, work on four top floors will be started. This portion of the work consists of redecorating, new plumbing fixtures, etc., to cost approx. \$200,000.

WILLITS, Mendocino Co., Cal.—G. Van Remput, operating the Hotel Van, has had plans prepared and construction will be started shortly on a brick and steel, 54 by 125 ft., addition to the present Hotel Van. Foundation walls will be of sufficient strength to carry additional stories.

Plans Being Prepared.
HOTEL & STORES Cost, \$50,000
 HAWTHORNE, Nevada.
 Two-story and basement concrete or brick (40 rooms) hotel and stores.
 Owner—Senator John H. Miller, et al, Reno.
 Architect—Geo. A. Ferris & Son, Cladinos Bldg., Reno.

Contracts Awarded.
HOTEL Cost, \$500,000
 SAN JOSE, Santa Clara Co., Cal. W Santa Clara and Notre Dame Ave.
 Ten-story class A hotel bldg. (123 rooms & baths; 10 sample rooms).
 Owner—San Jose Community Hotel Company.
 Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 General Contract—C. N. Swensen, 1395 Shasta St., San Jose, \$160,000.

Pile Foundation—Raymond Concrete Pile Co., Hunter-Dulin Bldg., San Francisco, \$23,500.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland, \$8,600.

Marble—Jos. Musto Sons & Keenan Co., 533 North Point St., San Francisco, \$6,100.

Ornamental Iron and Steel—Helwig Iron Works, San Jose, \$8,900.
Roofing—W. J. Porter, 1229 W San Carlos, San Jose, \$925.

Plastering—Chris Berg, 719 45th Ave., San Francisco, \$42,000.

Hardware—San Jose Hardware Co., 14 W San Fernando, San Jose, \$4,100.
Electric Work—Guilbert Bros. Electric Co., San Jose, \$11,566.
Glass—Wigren - Lawrence Glass Co., 647 E 59th St., Los Angeles, \$3,900.
Plumbing—Hately & Hately, 1710 10th St., Sacramento, \$33,100.
Painting—J. E. Huber, \$11,400.
Sheet Metal—Forderer Corrie W'ks, 269 Potrero Ave., San Francisco, \$6,400.
Elevators—Otis Elevator Co., 1 Bead St., San Francisco, \$15,935.
Heating Plant—W. S. Serpa, 497 13th St., San Jose, \$21,242.
Refrigeration—Hot-N-Kold Shop, San Jose, \$3,240.
Window Shades & Linoleum—L. Lyons Sons, 2nd and San Fernando, San Jose, \$1,000.

POWER PLANTS

LOS ANGELES, Cal.—Until 10 A. M., Feb. 25, bids will be received by D. P. Nicklin, purchasing agent, Los Angeles water and power bureau, 207 S. Broadway, for about 50,000 lbs. No. 4/0 weatherproof insulated cable. Adv. 1297.

EUREKA, Humboldt Co., Calif.—Mercer-Fraser Co., Eureka, granted permit by city to erect boiler room at plant of Eureka Woolen mills at Whipple and Broadway Sts.; estimated cost \$1500.

WOODLAND, Yolo Co., Cal.—Pacific Tel. and Tel. Co. will expend \$646,130 in rebuilding the telephone line from Woodland, Yolo county, to Red Bluff Tehama county. Approximately 2,770 miles of wire will be placed over a distance of 116 miles.

SAN FRANCISCO—Election will be held August 26 to vote funds of \$60,000,000 to acquire the local distributing plants and systems of the Pacific Gas & Electric Co. and Great Western Power Co. to be used for distributing the city's power developed at the Moccasin Creek plant of the Hotel Hetchy project.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

RENO, Nevada—Reno Blacksmith Shop, Reno, at \$85, submitted low bid to Washoe County Library Trustees to furnish and install 12 ft. of sterealing and 91 ft. of steel shelving in library. Other bids, all taken under advisement until March 3, are: Carlisle & Co., Reno, \$431; Armark Office Supply Co., Reno, \$1,105.65; Remington-Rand Business Services, Reno, \$1,122.

Plans Being Figured—Bids Close March 10, 8 P. M.
CITY HALL Cost, \$40,000
 HAYWARD, Alameda Co., Cal.
 Three-story reinforced concrete City Hall.

Owner—City of Hayward.
 Architect—E. P. Whitman, Hayward
 Will contain offices for the police department, city attorney, city clerk, city engineer, superintendent of streets and tax collector, water department, health center and recorder or police judge, besides a city jail and a city council meeting room.

Preliminary Plans Being Prepared.
CIVIC CENTER Cost, \$25,000
 PORTERVILLE, Tulare Co., Calif.
 Civic Center Group (city hall, auditorium, fire station; remodeling library, landscaping and parkways).
 Owner—City of Porterville.
 Architect—C. E. Butler, Cory Bldg Fresno.

UKIAH, Mendocino County, Calif.—County supervisors reject bids to furnish and lay cork carpet in county courthouse as being too high and the material will be purchased in the open market by the county purchasing agent. Bids were: Clim-Dr-Ege Linoeum House, Inc., \$710 if cemented to 1½-lb. felt and felt cemented to floor, \$603 if laid loose; W. & J. Sloane, for ¼-inch thick carpet laid without cement \$533, cement without felt \$587.50, cement solid on 1¼-lb. felt \$655.50, cork carpet, .230 thickness, without cement \$484, cemented without felt \$538.50, cemented solid on 1½-lb. felt \$606.50; Northern California Furniture Co., \$554.50; Van Fleet-Frear Co., \$654.60 laid on 1½-lb. felt pasted to floor and cork carpet pasted to felt.

RENO, Nevada—Savage & Son, Reno, at \$840, awarded contract by Washoe County Board of Library Trustees to furnish 16 radiator cabinets for Co. Library; Acme radiator cabinets as manufactured by W. H. Johnson & Son Co., or equal. To be with copper humidifier pan, constructed of pressed steel with ornamental sides and stop, back panel must go to floor, front of cabinets to be metal grille, all enameled and finished. Other bids were: Western Metal Manufacturing Co., San Francisco, \$669.50; Badt-Falk Co., San Francisco, \$877; Sunset Plating and Metal Co., San Francisco, \$1,350.

Plans being figured, bids close March 5, 8 P. M.
ALTERATIONS Cost, \$15,000
ARCATA, Humboldt Co., Calif.
Alterations and additions for city hall. Owner—City of Arcata
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Certified check or bid bond 10%, payable to H. A. Sorensen, treasurer, building committee for City Hall and Lodge Building, required with bid. Plans on file at Arcata and obtainable from architect on deposit of \$20 returnable.

Contract Awarded.
ALTERATIONS Cont. price, \$10,877
OAKLAND, Alameda Co., Cal. Broadway bet. 4th and 5th Sts.
Alterations and additions to county courthouse.
Owner—County of Alameda, Geo. A. Gross, county clerk.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.
Contractor—John E. Branagh, Midcrest and Sunnyside Road, Oakland.

Work will involve the removal of the central dome, as well as four turrets on the roof. Office quarters and court room renovation is included.
Following is a complete list of bids:
John E. Branagh, Oakland.....\$10,877
E. T. Leiter & Son, Oakland.....11,367
A. F. Anderson, Oakland.....11,433
F. J. Westlund, Oakland.....12,290
F. T. Lesure, Oakland.....13,322
George Swanstrom, Oakland.....14,321

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, \$—
PIEDMONT, Alameda Co., Cal. King and La Salle Ave.
Two-story 10-room English type brick veneer residence.
Owner—A. S. Weaver.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Will have oil burner, hot water heat, slate roof. Bids will be taken in one week.

Contract Awarded.
RESIDENCE Cost, \$15,000
SAN FRANCISCO, S Marina Blvd. W Fillmore St.
Two-story and basement frame and stucco residence.
Owner—G. W. Newsom, 4047 25th St.
Plans by C. M. Baker, 155 Montgomery St.
Contractor—H. Erickson, 972 Chenery.

ARCADE, Sacramento Co., Cal.—Construction has been started on a Spanish type residence on Circular Drive in Beyerford Heights for Mrs. Dorothy P. Hark, 1707 N. St., Sacramento. Will involve considerable landscape work in addition to a swimming pool.

Plans being figured.
RESIDENCE Cost, \$13,000
SAN JOSE, Santa Clara Co., Calif., Palm Ave.
Two-story and basement Spanish type frame and stucco residence.
Owner—E. L. Wolfe, 704 Palm Haven, San Jose.
Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Plans Being Prepared.
RESIDENCE Cost, \$15,000
LA JOLLA, San Diego Co., Cal.
One-story and basement six-room 2-bath frame and stucco residence.
Owner—Withheld.
Architect—Martin Sheldon, Monadnock Bldg., San Francisco.
Plans will be ready for bids in thirty days.

Plans Being Figured.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. Spruce and Virginia Sts.
Two-story and basement seven-room frame and stucco residence.
Owner—Mrs. E. M. Howell, 1423 Oxford St., Berkeley.
Architect—James Plachek, Mercantile Bank Bldg., Berkeley.

Sub-Bids Being Taken.
RESIDENCES Cost, \$7500 to \$10,000
OAKLAND, Alameda Co., Cal. Dutton Manor.
Three one-story frame and stucco residences.
Owner and Builder—Joseph Franklin, 1006 E-14th St., San Leandro.
Architect—L. F. Hyde, 372 Hanover St., Oakland.

Contract Awarded.
STUDIO Cost, \$5500
SAN FRANCISCO, Twin Peaks.
One-story frame studio.
Owner—Mrs. Horace Dawson.
Architect—Enri Cavasso, 233 3rd Ave., San Mateo.
Contractor—Sierra Constr. Co., 233 Third Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, \$40,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner—Glen Holt.
Architect—Enri Cavasso, 233 Third Ave., San Mateo.
Contractor—Sierra Constr. Co., 233 Third Ave., San Mateo.
Construction will not start for some time.

Plans Being Prepared.
RESIDENCE Cost, \$7,000
SUNNYVALE, Santa Clara Co., Cal.
One-story and basement frame and stucco residence (6 rooms and garage).
Owner—N. Borillo.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.
General bids will be taken in two weeks.

Preparing Working Plans.
RESIDENCE Cost, \$125,000
SANTA MONICA, Los Angeles Co., Cal. Huntington Palisades Tract.
Two-story frame and stucco residence
Owner—John J. Kennedy.
Architect—Ashton & Denny, Wilshire-Pruess Bldg., Beverly Hills.

Sub-Figures Being Taken.
RESIDENCES Cost each, \$3,000
MILLBRAE HIGHLANDS, San Mateo Co., Cal.
Four 1- and 2-story frame and stucco residences.
Owner and Builder—Schultz Building Const. Co., Millbrae Highlands.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Plans Complete.
RESIDENCE Cost, \$11,000
OAKLAND, Alameda Co., Cal. SW Sunnyside and Downey Place.
Two-story and basement 8-room frame and stucco residence.
Owner and Builder—H. C. Pendleton, 76 Lakeview Ave., Piedmont.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Work will be done by day's labor.

Plans being refigured.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Calif., The Arlington.
Two-story, 8-room frame and stucco residence.
Owner—Wm. Hull, Adelina and Essex Sts., Berkeley.
Architect—F. H. Slocumbe, 85 Cambridge Way, Piedmont.
Bids previously taken were rejected.

Plans being completed.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Calif., Woodstock Ave.
Two-story and basement 9-room frame and stucco residence.
Owner and Builder—George W. Williams & Co., 1404 Broadway, Burlingame.
Architect—Grimes & Schoening, Balovich Bldg., San Mateo.
Sub bids will be taken in one week.

Plans Being Figured.
RESIDENCE Cost, \$25,000
ATHERTON, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner—John J. Baumgarten.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.

Plans Being Prepared.
RESIDENCE Cost, \$12,000
SALINAS, Monterey Co., Cal. Two-story frame and stucco residence.
Owner—Mr. McAdams, Salinas.
Architect—Butner & Stranahan, Cory Bldg., Fresno, and Glekbarg Bldg., Salinas.

MARTINEZ, Contra Costa Co., Cal.—Jas. F. Croll, 436 Allen St., Martinez, at \$5,000 awarded contract by A. Reisevich, Martinez, to erect a 1-story frame and stucco bungalow court at Escobar and Miller Avenue. Will contain 5 bungalow-apartments.

Contract Awarded.
RESIDENCE Cost, \$22,000
PIEDMONT, Alameda Co., Cal. No. 160 Estates Drive.
Two-story 11-room frame and stucco residence and garage.
Owner—Pearl D. Froehlich End Indian Way, Oakland.
Architect—Williams and Wastell, 374 17th St., Oakland.
Contractor—H. E. Williams, 1615 Trestle Glen, Oakland.

Contract Awarded.
RESIDENCE & STORE Cost, \$10,000
ALAMEDA, Alameda Co., Cal. 1301
 9th St.
 Two-story frame and stucco residence
 and store.
 Owner—Pasquale Lombardi, 860
 Greenwich St., San Francisco.
 Architect—None.
 Contractor—Oscar C. Reite, 1368 El
 Centro Ave., Oakland.

Bids Being Taken.
BUNGALOW COURT Cost, \$45,000
BURLINGAME, San Mateo Co., Calif.
 Bayshore Highway.
 Frame and stucco bungalow court.
 Owner and Builder—Oswald & Rucker,
 Mills Bldg., San Francisco.
 Architect—Ed. Musson Sharpe, 525
 Market St., San Francisco.

Plans Being Prepared.
RESIDENCES Cost each \$3500
SAN FRANCISCO, M. Davidson,
 Manor Drive, about 250-ft. north
 Ocean Ave.
 Two 6-room frame and stucco resi-
 dences.
 Owner and Builder—C. W. Morse, SW
 corner Pinehurst and Kenwood.
 Plans by D. E. Jaekle, Call Bldg.
 Plans will be ready for bids in about
 a week.

To Be Done By Day's Work.
RESIDENCE Cost, \$12,000
BOULDER CREEK, Contra Costa Co.,
 Cal. Four miles north of Boulder
 Creek on San Lorenzo Drive.
 Residence (for construction).
 Owner and Builder—Maurice Bern-
 stein, 2765 Vallejo St., San Fran-
 cisco.
 Plans by Owner.

Sub-Figures Being Taken.
RESIDENCE Cost, \$6,000
RICHMOND, Contra Costa Co., Calif.
 2546 Reem Ave.
 One-story and basement 6-room frame
 and stucco Italian type residence.
 Owner and Builder—A. Gatto, 2550
 Reem Ave., Richmond.
 Architect—James Narbett, 337 10th
 St., Richmond.

Sub-Bids Being Taken.
RESIDENCE Cost, \$9,000
SAN FRANCISCO, N Banton 160 W
 Geneburn.
 One-story and basement 6-room frame
 and stucco residence.
 Owner and Builder—A. R. Johnson,
 3901 Mission St.
 Plans by D. E. Jaekle, Call Bldg.

Sub-Bids Being Taken.
RESIDENCE Cost, \$9,000
SAN FRANCISCO, N Banton 190 W
 Geneburn.
 One-story and basement 6-room frame
 and stucco residence.
 Owner and Builder—A. R. Johnson,
 3901 Mission St.
 Plans by D. E. Jaekle, Call Bldg.

Sub-Bids Being Taken.
BUNGALOWS Cost each, \$6000
SAN CARLOS, San Mateo Co., Cal.
 Three 1-story and basement 5-room
 frame and stucco bungalows.
 Owner and Builder—J. E. McCarthy,
 Redwood City.
 Plans by D. E. Jaekle, Call Bldg., San
 Francisco.

SCHOOLS

LIVERMORE, Alameda Co., Cal.—
 Until March 1, 11 A. M., new bids will
 be received by C. W. Mack, secretary,
 Livermore Union High School Dist.,
 to furnish and install 390 steel lockers
 in new Livermore High School. Pre-
 vious bids received for this equip-
 ment were rejected, these being Lyon
 Metal Products Co., San Francisco,
 \$774; Worley Co., San Francisco, \$975;
 Durabilt Steel Locker Co., San Fran-

cisco, \$1,124; Fred Medart Mfg. Co.,
 San Francisco, \$1,152. Spec. obtain-
 able from secretary at Livermore.

GUADALUPE, Santa Barbara Co.,
 Cal.—Until March 4, 7:30 P. M., bids
 will be received by Floyd V. Pitts,
 clerk, Guadalupe Joint Union School
 District, to erect manual training
 room in Block No. 24, Edwards and
 Plunkett, architects, 20 E Figueroa
 St., Santa Barbara. Bids are wanted
 for a general contract. Cert. check
 5% req. with bid. Plans obtainable
 from architects.

Plans being completed.
SCHOOL Cost, \$35,000
WILLOW GLEN, Santa Clara Co.,
 Calif.
 One-story reinforced concrete school
 (six classrooms, administration
 room and kindergarten).
 Owner—Willow Glen School District.
 Architect—Wolfe & Higgins, Realty
 Bldg., San Jose.
 Bids will be taken in ten days.

Bonds Voted—Plans Being Prepared.
SCHOOL Cost, \$150,000
ALTURAS, Modoc Co., Calif.
 Fireproof grammar school.
 Owner—Alturas Grammar School Dis-
 trict.
 Architect—Ralph Taylor, Belli Bldg.,
 Alturas.

SAN FRANCISCO—Until March 5,
 2:30 P. M., bids will be received by
 Board of Public Works to furnish and
 install kitchen equipment in Roose-
 velt Junior High School, estimated
 cost \$5,000. Bond of \$2,000 required of
 successful bidder. Certified check 10%,
 payable to Clerk of the Board of Su-
 pervisors required with bid. Specifi-
 cations obtainable from Bureau of
 Architecture, Second Floor, City Hall,
 on deposit of \$10, returnable.

Preliminary Plans Awaiting Approval.
SCHOOL Cost, \$17,000
SANTA ROSA, Sonoma Co., Cal. So.
 Park Section.
 One-story frame and stucco school
 with tile roof (3 rooms and audi-
 torium).
 Owner—City of Santa Rosa School
 District.
 Architect—William Herbert, Rosen-
 berg Bldg., Santa Rosa.

Bond Election Planned.
GYMNASIUM Cost, \$—
REDONDO BEACH, Los Angeles Co.,
 Calif.
 Reinforced conc. gymnasium (swim-
 ming pool, etc.)

**Owner—Redondo Beach Union High
 School District.**
 Architect—Allison & Allison, Califor-
 nia Reserve Bldg., Los Angeles.

Preliminary Sketches Prepared.
SCHOOL Cost, \$410,000
NEWPORT BEACH, Orange Co., Cal.
 Newport Beach Heights.
 Reinforced concrete high school plant
 (accommodate 800).
 Owner—Newport Harbor Union High
 School District.
 Architect—Marsh, Smith & Powell
 Architects' Bldg., Los Angeles.

Plans Being Figured—Bids Close
 March 11, 8 P. M.
SCHOOL Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
 Elementary school.
 Owner—San Jose City School District,
 W. L. Bachrodt, Secretary, Board
 of Education.
 Architect—Ralph Wyckoff, San Jose
 National Bank Bldg., San Jose.
 Bids are wanted for a general con-
 tract together with various alternate
 propositions. Certified check 5% pay-
 able to secretary required with bid.
 Plans obtainable from architect and
 on file in office of Supt. of Schools.

Plans Being Figured—Bids Close
 March 11, 8 P. M.
KINDERGARTEN Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
 Kindergarten school.
 Owner—City of San Jose School Dis-
 trict, Walter L. Bachrodt, Secre-
 tary, Board of Education.
 Architect—Warren Skillings, Garden
 City Bank Bldg., San Jose.
 Certified check 5% payable to sec-
 retary required with bid. Plans obtain-
 able from architect on deposit of \$5
 returnable and on file in office of the
 Superintendent of Schools.

SAN FRANCISCO—Until March 10,
 3 P. M., bids will be received by Leon-
 ard S. Leavy, city Purchasing agent,
 270 City Hall, to furnish and deliver
 classroom supplies and paper for
 school department. Specifications ob-
 tainable from above.

ROSEVILLE, Placer Co., Calif.—
 Trustees of Roseville Union High
 School District has authorized the in-
 stallation of a flood lighting system to
 illuminate the building and grounds
 of the high school. Ornamental stand-
 ards will be installed.

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RENO, Nevada—Armanko Office Supply Co., Reno, at \$2.80 each awarded contract by Reno School District to furnish and deliver 300 Vienna chairs for new high school now in course of construction.

RENO, Nevada—Remington-Rand Business Service, Reno, at \$4,867.05, awarded contract by Reno School District to furnish and install 800 desks in high school now in course of construction.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$30,000
SAN FRANCISCO, N Fulton St. 150 E Stanyan St.
Alterations and additions to faculty building.

Owner—St. Ignatius College, Fulton St. near Stanyan St.
Architect—E. A. Eames, 352 Sacramento St.

Contractor—Barrett & Hllp, 918 Harrison St.
Glass—Habenicht & Howlett Co., 529 Clay St.

Roofing—Jones Bros. Roofing Co., 370 Second St.

Heating—Scott Co., 243 Minna St.
Plastering—James Smith, 271 Minna St.
As previously reported, brick work to Mealey & Collins, 666 Mission St.; plumbing to Albhach and Mayer, 55 Dorland St.; electrical work to Victor Lemoge, 281 Natoma St.; sheet metal to Morrison & Co., 74 DuBois Ave.; mill work to Brannan St. Planning Mill.

BURLINGAME, San Mateo Co., Cal.—Until March 3 bids will be received by county supervisors for purchase of \$130,000 bond issue of the Burlingame Elementary School District; proceeds of sale to finance erection of a two-story 8-classroom reinforced concrete school at Canyon Road and Summit Drive, in addition to the purchase of another school site. Plans for the structure are being prepared by Architect W. H. Weeks, 111 Sutter St., San Francisco.

SAN FRANCISCO.—Until March 5, 2:30 P. M., new bids will be received by Board of Public Works to furnish and install chairs in Roosevelt Junior High School at Arguello Blvd. and Geary St. and the Polytechnic High School at Frederick and Willard Sts., and Arguello Blvd. Bids previously received were rejected. Bids were: Fred E. Turner, Stockton, \$6,370; (a) add \$5; (b) deduct \$5. Ink Ribbon Mfg. Co., \$7,325.50; (a) \$5.75; (b) no deduction; Heywood - Wakefield Co., \$8,512.24; (a) \$6.76; (b) \$6.76.

Preparing Preliminary Plans.
SCHOOL BLDGS. Cost, \$500,000
LOS ANGELES, Cal. Griffith Park Boulevard.
Group of brick school buildings.
Owner—Los Angeles Board of Education.

Architect—George M. Lindsay and Erwood P. Elden, Union Insurance Bldg., Los Angeles.

MODESTO, Stanislaus Co., Cal.—According to estimates compiled by J. H. Bradley, city superintendent of schools, \$220,000 will be required for the high school and \$430,000 for elementary schools during the next thirty years. A tax of from 50 to 55 cents per \$100 of assessed valuation in the high school district and one of 45 cents in the elementary district will take care of the situation, according to Bradley.

As outlined in the High School Budget the following sums will be needed: Auditorium at high school, \$65,000; remodeling of girls' gymnasium, \$20,000; 30 new classrooms, \$90,000; remodel and enlarged shops,

\$20,000; agricultural unit, \$20,000; agricultural unit, \$20,000, and library, \$5000. For the elementary schools the \$430,000 would be apportioned as follows: Three auditoriums at the Franklin, John Muir and Lincoln schools, \$20,000 each or a total of \$60,000; purchase of additional land adjoining the Roosevelt school, \$15,000; administration units at the Wilson and Ensen schools, \$10,000; construction of new classrooms, \$325,000, and auditorium and gymnasium at Roosevelt school, \$20,000.

Bids Opened.
SCHOOL Cost, \$—
BIGGS, Butte Co., Cal.
One-story grammar school (six classrooms and auditorium).
Owner—Biggs Grammar School Dist.
Architect—Jens C. Petersen, 526 26th St., Sacramento.

Following is a complete list of the bids:
Azeveda & Sarmento, 920 O St., Sacramento\$36,207
Chas. F. Unger, Sacramento..... 37,850
E. H. Reilly, Stockton..... 38,563
Ecker & Stegmiller, Stockton..... 38,294
Wm. Shalz, Chico..... 38,400
J. M. Evans & Son, Chico..... 39,590
Campbell Const. Co., Sacto..... 40,117
E. M. Noble, Marysville..... 40,770
David Nordstrom, Oakland..... 44,166
Henry Finnigan, Sacramento..... 44,294
G. W. Tolley, Gridley..... 46,821
Bids held under advisement for a few days.

Plans Being Prepared.
SCHOOL Cost 1st unit, \$50,000
SANTA CRUZ, Santa Cruz Co., Cal.
Laveaga Park.

Two-story frame and stucco Mission type school (6 classrooms, offices, etc., 58x160-ft.)
Owner—Society of Mary.
Architect—L. D. Esty, Alta Bldg., Santa Cruz.

Plans will be ready for bids about March 1st. Dormitories, social hall, assembly hall, etc., will be constructed at a later date.

Plans Being Completed.
GYMNASIUM Cost, \$60,000
CENTERVILLE, Alameda Co., Cal.
One-story reinforced concrete gymnasium.

Owner—Washington Union High School District.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Bids will be taken about March 1. High school building committee is composed of Fred Dusterberry, F. V. Jones and Justus Overacker.

SACRAMENTO, Cal.—Property owners petition Board of Education to provide a new school in the northeast section of the city. The present plant is housed in frame "bungalow

schools." Chas. C. Hughes is secretary of the board.

Plans Being Figured.
SCHOOL Cost, \$179,000
LONG BEACH, Los Angeles Co., Cal.
Woodrow Wilson School Site.
Two two-story brick school buildings. (classrooms and gymnasium).
Owner—Long Beach Board of Education.

Architect—W. Horace Austin, Pacific Southwest Bldg., Long Beach.

Lumber contract awarded.
SAN RAFAEL, Marin Co., Calif.
Three-story reinforced concrete academic and library building (12 classrooms and library).
Owner—Dominican College of San Rafael.

Architect—Arnold Constable, 580 Market St., San Francisco
Contractor—Barrett & Hupp, 918 Harrison St., San Francisco.
Will be of Italian Renaissance style.
Lumber—Henry Hess Lumber Co., San Rafael.
Other awards will be made shortly.

Plans Being Figured—Bids Close March 3.

SCHOOL Cost, \$180,000
EAST WHITTIER, Los Angeles Co.
One-story and basement reinforced concrete school (14 rooms and auditorium).

Owner—East Whittier School District.
Architect—T. C. Kistner & Co., Architects Bldg., Los Angeles.

Preparing Working Drawings.
SCHOOL \$130,000 in bonds voted
BURLINGAME, San Mateo Co., Cal.
Canyon Road and Summit Drive.
Two-story 8-classroom reinforced concrete school.

Owner—Burlingame School District.
Architect—W. H. Weeks, 111 Sutter St., San Francisco.

The \$130,000 voted will provide for the erection of this 8-room school, in addition to the purchase of a site for another school in East Burlingame to accommodate students in the Winchester Tract.

Plans Being Figured—Bids To Close February 26.

SCHOOL Cost, \$—
SAN FRANCISCO, 18th Ave. near Vicente.

Two-story and basement 8-classroom reinforced concrete school.
Owner—Roman Catholic Archbishop.

1100 Franklin St.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts.

Bids are being taken for a general contract.

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Plans Being Figured.

CONVENT Cost, \$325,000
BEAVERTON, Oregon.
Three-story and basement (E shape) reinforced concrete convent and academy, 253 by 160-ft. (3 wings).
Owner—St. Mary's of the Valley Academy.
Architect—Barrett & Logan, Pittcock Block, Portland.

Will have dome with copper cover, rising in center of structure. Light buff brick and terra cotta trim.

Plans To Be Prepared.

SCHOOL Cost, \$90,000
ARCATA, Humboldt Co., Cal.
Training school (height and type of construction not determined).
Owner—University of California.

Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Project is in a very preliminary stage.

Sub-Contracts Awarded.

DORMITORY Cost, \$250,000
SANTA CLARA, Santa Clara Co., Cal.
University Campus.

Four-story reinforced concrete dormitory (accommodate 175 students).
Owner—University of Santa Clara.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.

Contractor—H. C. Miller, Stevens Creek, Santa Clara.

Roofing—F. H. Porter Roofing Co., San Jose.

Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.

Other awards will be made in two weeks. Plans call for the faculty dining room, students' dining room, kitchens and co-operative store on the ground floor. Quarters will be provided for lay professors on the second floor. Rooms for 175 students will be located on the third and fourth floors. Sub-bids are wanted on reinforcing steel and all other portions of the work.

Preliminary Plans Being Prepared.

TOWERS Cost, \$—
PALO ALTO, Santa Clara Co., Cal.
Stanford University, Palm Drive and El Camino Real.
Two stone towers, 30 ft. in height.
Owner—Stanford University.
Architect—John Bakewell and Arthur Brown Jr., Associated, 251 Kearny St., San Francisco.

Date Of Opening Bids Postponed Until March 1, 1:30 P. M.

SCHOOL Cost, \$35,000
KELSEYVILLE, Lake Co., Calif.
One-story reinforced concrete high school (125 pupils) with combination gymnasium and auditorium.
Owner—Kelseyville Union High School District.

Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.
Bids are being received at Kelseyville.

FRESNO, Fresno Co., Calif.—Fresno County Chamber of Commerce proposes to raise funds to finance installation of a night lighting system at the Fresno State Teachers' College. The system, according to tentative estimates, would cost \$9,000.

BANKS, STORES & OFFICES

BERKELEY, Alameda Co., Calif.—D. N. and E. Walter & Co., 562 Mission St., San Francisco, at \$7,940 awarded contract by Regents of University of California for installation of window shades in Life Science Bldg., Berkeley.

Plans Being Completed.

HALL Cost, \$170,000
CHICO, Butte Co., Calif. State Teachers' College.
One-story Italian type brick and concrete assembly hall (to seat 1,500).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Bids will be called for about Feb. 28th.

Sub-Contracts Awarded.

LIBRARY Cost, \$—
SAN RAFAEL, Marin Co., Cal.
Three-story reinforced concrete academic and library bldg. 12 classrooms and library.

Owner—Dominican College of San Rafael.

Architect—Arnold Contable, 530 Market St., San Francisco.

Contractor—Barrett & Hilp, 913 Harrison St., San Francisco.

Will be of Italian Renaissance type. Lumber—Henry Hess, San Rafael. Rock & Sand—Cameros Co., San Rafael.

Other awards will be made shortly.

Commissioned To Prepare Plans.

SCHOOL Cost, \$20,000
YOUNTVILLE, Napa Co., Cal.
One-story three-classroom hollow tile Spanish type school.

Owner—Yountville School District.

Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento, and 3529 Emerson St., Oakland.

Bond election will be held in near future.

Commissioned To Prepare Plans.

SCHOOL Cost, \$16,000
CAMINO, El Dorado Co., Calif.
One-story English type stone and brick school (2 classrooms and auditorium).

Owner—Camino School Department.
Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento, and 3529 Emerson St., Oakland.

Bond election will be held in the near future.

OAKLAND, Cal.—Following bids received by John W. Edgemond, secty., Board of Education, for wrecking of Fremont High School and clearing of site:

Ed. Bowman, 9017 B St., Oakland \$2,900
Symon Bros., San Francisco 3,400
B. M. Cole, Oakland 3,737
Bids held under advisement.

Plans Being Prepared.

CANTEEN, ETC Cost, Approx. \$25,000
SAN RAFAEL, Marin Co., Cal.
Location Withheld.

One-story frame and wood canteen (tea room, supply store, post office, restaurant, etc.; English type).

Owner—Withheld.

Plans by D. E. Jaekle, Call Bldg., San Francisco.

Contractor—J. E. McCarthy, 570 28th Ave., San Francisco.

Plans Being Prepared.

BANK Cost, \$25,000
BERKELEY, Alameda Co., Cal.
Shattuck Ave. near Center St.

One-story brick and terra cotta bank. Owner—Pacific State Savings & Loan Association.

Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., S. F.

Plans will be ready for bids in about thirty days.

Contract Awarded.

BUILDING Cost, \$14,223
HEALDSBURG, Sonoma Co., Cal.
Two-story building.

Owner—E. Buff, Healdsburg.

Architect—None.

Contractor—Johnson Lauder Co., care owner.

Plans Being Figured.

CAFE Cost, \$—
BERESFORD, San Mateo Co., Cal.
Bell Tract.
Cafe and grill.
Owner—Bell Bros., Beresford.
Architect—E. H. Denke, 1217 Hyde St., San Francisco.
Lessee—John Tait, San Francisco.

Contracts Awarded.

MERCANTILE BLDG. Cost, \$—
FRESNO, Fresno Co., Cal. 820 Van Ness Ave.

One-story mercantile building. Owner—Fisher Glassford Co.

Architect—Shields, Fisher and Lake, Pacific Southwest Bldg., Fresno.

General Work—Irvine and Hopkins, Fresno.

Masonry—Joe Smith, 1537 Broadway, Fresno.

Roofing—McMullen Co., Fresno.

Wiring—Robinson Elec. Co., 141 College Ave., Fresno.

Plastering—N. Mackenzie, 3612 Illinois Fresno.

Glass and Glazing—W. P. Fuller and Co., 1022 Fulton St., Fresno.

Contracts Awarded.

ALTERATIONS Cost, \$25,000
OAKLAND, Alameda Co., Calif. 16th St. and San Pablo Ave.

Alterations to present bank building.

Owner—Oakland Bldg. & Loan Assn.

Architect—W. E. Schirmer, 700 21st St., Oakland.

Bronting Work—Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.

Painting—W. H. Pollard, 522 Grand Ave., Oakland.

Marble—American Marble Co., 25 Columbia Square, San Francisco.

Other bids are in and will be awarded shortly.

Contract Awarded.

ALTERATIONS Cost, \$10,000
SALINAS, Monterey Co., Calif.

Alterations to present frame and stucco store building.

Owner—J. A. Cornett, 111 San Luis St., San Jose.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Contractor—Fred McCrory, Monterey.

Plans Being Prepared.

STORES Cost, \$—
BURLINGAME, San Mateo Co., Cal.
Broadway.

Arcade store building, 190x50-ft. (each store 20x20-ft.).

Owner—H. C. Marshall, Burlingame.

Architect—Enri Cavasso, 233 3rd Ave., San Mateo.

Contractor—Sierra Const. Co., 233 3rd Ave., San Mateo.

Contract Awarded.

STORES Cost, \$11,000
REDWOOD CITY, San Mateo Co., Cal. 1123-25 El Camino Real.

Two-story brick stores and apts.

Owner—Lola Brown, 2738 Broadway, Redwood City.

Architect—None.

Contractor—Chas. F. Schultz.

Plans Being Prepared.

BANK Cost, \$—
FAIRFIELD, Solano Co., Calif.

One-story class A concrete bank (35x 80-ft.).

Owner—Solano County Bank (F. C. McInnis, president).

Architect—C. E. Perry, 1880 Fulton St., San Francisco.

MERCED, Merced Co., Calif.—F. W. Woolworth Co. has acquired a 75-ft. frontage in Seventeenth St., adjoining the present quarters and will construct additions. Construction will be of brick.

Sub-Bids Being Taken.

ALTERATIONS Cost, \$—
SAN FRANCISCO. SW Polk St. and California St.
 Extensive alterations to present building for store and fountain.
 Owner—Owl Drug Co.
 Plans by Edwin Du Val, Dalziel Bldg., Oakland.
 Contractor—Edwin Du Val, Dalziel Bldg., Oakland.

Plans Being Prepared.

BUILDING Cost, \$25,000
SAN LEANDRO, Alameda Co., Calif.
 Euclid Ave. and E 14th St.
 Two-story class C brick building (3 stores, garage and rooming house)
 Owner—G. Marini, San Leandro.
 Architect—Jas. Narbett, 337 10th St., Richmond.
 Plans will be ready for bids in about two weeks.

Contract Awarded.

STORE Cost, \$6,500
OAKLAND, Alameda Co., Calif. NE 24th St. 100 E 5th Ave.
 One-story brick and tile store bldg.
 Owner—H. B. Jones, 337 17th Street, Oakland.
 Architect—A. W. Smith, American Bank Bldg., Oakland.
 Contractor—Jacobs and Pattiani, 337 17th St., Oakland.

Contract Awarded.

STORE Cost, \$35,000
SAN CARLOS, San Mateo Co., Calif.
 Three-story and mezzanine floor reinforced concrete and steel store (60 display rooms; 52,000 sq. ft.)
 Owner—Harvey Nelson, 208 Greenfield Ave., San Anselmo.
 Plans by Owner.
 Contractor—Daley Brothers, Inc., Burlingame.

Sub-Contracts Awarded.

BANK Cost, \$30,000
REDWOOD CITY, San Mateo Co., Calif. Upper Broadway and Minnie Street.
 One-story concrete modern bank bldg. (90x90-ft.; Spanish type).
 Owner—San Mateo County Bank, Redwood City.
 Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.
 Contractor—Gus Waller, Redwood City.
Lumber—Gray & Thorning Lbr. Co., Palo Alto, \$1,704.
Mill Work—Pacific Mfg. Co., Menadnock Bldg., San Francisco, \$2,200.
Plastering—Redwood City Plastering Co., Redwood City, \$3,800.
Plumbing—Lafferty and Wilson Co., Redwood City, \$1,308.
Roofing Tile—Malott & Petersen, San Francisco, \$825.
Painting—J. H. Bailey, Redwood City, \$1,620.
Concrete—Ferlioli & Bettini, Palo Alto, \$6,611.
Electric Wiring—Coryell's Elec. Shop, Palo Alto, \$1,986.
Sheet Metal—Wallace Sheet Metal Works, Redwood City, \$653.
Ornamental Iron—Michel and Pfeffer Iron Works, Harrison & 10th Sts., San Francisco, \$495.
Reinforcing Steel—Pacific Coast Steel Co., 111 Sutter St., San Francisco, \$2,034.
Glass—W. P. Fuller Co., 301 Mission St., San Francisco, \$1,473.
Miscellaneous Steel Sash—Michel and Pfeffer Iron Works, 10th and Harrison Sts., San Francisco, \$262.
Marble—Mission Marble Co., 209 Mississippi St., San Francisco, \$165.

FRESNO, Fresno Co., Cal.—M. P. McQuone, Fresno civil service commissioner and holder of lunch counter concessions at the Chandler Municipal Airport, will erect a frame build-

ing, 18x35 ft., to house a fully equipped lunch and soft drink stand and confectionery business.

Contract Awarded.

STORE Cost, \$18,000
WOODSIDE, San Mateo Co., Cal.
 Reinforced concrete and tile store.
 Owner—J. V. Newman, Woodside.
 Architect—None.
 Contractor—Geo. D. Prentice, Woodside.

Sub-Contracts Awarded.

OFFICES Cost, \$160,000
SAN FRANCISCO. E Montgomery St. N Sutter St.
 Six-story and basement and mezzanine floor class B concrete office building.
 Owner—Lurie Co., 315 Montgomery St.
 Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St.
 Contractor—Industrial Const. Co., 815 Bryant St.
 Lessor—Title Insurance & Guarantee Co., 250 Montgomery St.
Cast Stone—McGilvray-Raymond Corp., 3 Potrero Ave.
Plumbing—J. J. McLeod, 1246 Golden Gate Ave.
 As previously reported, ornamental and miscellaneous iron awarded to California Artistic Metal & Wire Co., 349 7th St.; metal pans to Steelform Contracting Co., Menadnock Bldg.; sidewalk lights to Pacific Sidewalk Light Co., 252 Lobos St.; reinforcing steel to Gunn, Carle & Co., 444 Market Street.

Contract Awarded.

MARKET Cost, \$500,000
PORTLAND, Ore. Front St. bet. Morrison and Salmon Sts.
 Reinforced concrete public market.
 Owner—Frederick H. Strong, et al.
 Architect—Lawrence, Holford, Allyn & Bean, Chamber of Commerce Bldg., Portland, Ore.
 Contractor—Ross B. Hammond, Inc., Public Service Bldg., Portland.

Building Permit Granted.

DEPOT Cost, \$119,500
STOCKTON, San Joaquin Co., Cal.
 Fireproof passenger and freight depot.
 Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.
 Architect—Eng. Dept. of Owner.
 Plans are now being prepared. Bids will be called for at a later date.

Contract Awarded.

STORE Cost, \$40,000
MERCED, Merced Co., Cal. S 17th St. bet. L and M Sts.
 One-story brick store building (75x150-ft.; 3 stores).
 Owner—George Kaehler, Fresno.
 Architect—None.
 Contractor—Liner & Allen, Merced.
 Lessee—F. W. Woolworth Co.

Preparing Plans.

ALTERATIONS Cost, \$30,000
BAKERSFIELD, Kern County, Calif.
 Southern Hotel Bldg.
 Alterations and additions to building for banking quarters.
 Owner—Bank of Italy.
 Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.

Plans Being Prepared.

STORES Cost, \$20,000
SAN MATEO, San Mateo Co., Calif. The Highway.
 Two-story class C concrete business buildings (3 stores).
 Owner—Name Withheld.
 Architect—Enri Cavasso, 233 3rd Ave., San Mateo.
 Contractor—Sierra Const. Co., 233 3rd Ave., San Mateo.
 Project is in a very preliminary stage.

Plans Being Completed.

STORE Cost, \$25,000
SAN MATEO, San Mateo Co., Cal. SE Third Ave. and San Mateo Drive.
 One-story reinforced concrete store building (50x115-ft.)
 Owner—Martin Stelling, 155 Montgomery St., San Francisco.
 Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.
 Bids will be taken about March 1.

Plans Being Figured.

ALTERATIONS Cost, \$4,000
TULARE, Tulare Co., Calif.
 Alterations and additions to bank building (add three stores).
 Owner—Bank of Italy.
 Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.

Preliminary Plans Being Prepared.

BANK Cost, \$50,000
CHICO, Butte Co., Cal.
 One-story reinforced concrete bank.
 Owner—Bank of Italy.
 Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.

Electrical and Plumbing Contracts Awarded.

BUILDING Cost, \$65,000
SAN FRANCISCO. SW Bush St. and Franklin St.
 One-story and mezzanine floor class A reinforced concrete and steel frame building (120x144-9 ft.)
 Owner—Mrs. Ray Schwartz.
 Engineer—L. H. Nishkan, 525 Market Street.
 Manager of Const.—Mel. I. Schwartz, 308 Kearny St.
 Lessee—Firestone Tire & Rubber Co.
 Electrical Work—W. H. Morgan, 2241 15th Ave.
Plumbing—Higgins & Kraus, 730 Tehama St.
 Plastering, Glass and Glazing bids wanted.
 Other awards previously reported.

Preparing Working Drawings.

SALES BLDG. Cost, \$225,000
SAN FRANCISCO. Mission St. near 14th, adjoining State Armory.
 Two-story class A or B concrete auto sales and service building (290x160-ft.)
 Owner—Kresteller Motor Co., 2001 Market St.
 Architect—August Nordin, Mills Bldg.
 Proposed building will be the largest Ford Sales Agency west of the Rockies.

THEATRES

Planned.
THEATRE Cost, \$250,000
POMONA, Los Angeles Co., Cal. SW Third St. and Carey Ave.
 Two and three-story Class A concrete and steel theatre.
 Owner—Fox West Coast Theatres, Inc., Washington and Vermont Sts., Los Angeles.
 Architect—None.

Planned.
THEATRE Cost, \$1,000,000
BEVERLY HILLS, Los Angeles Co., Calif. Wilshire Blvd.
 Class A theatre to seat 3000.
 Owner—Warner Bros. Theatre Corp.
 Architect—Not Selected.

Preliminary Plans Being Prepared.
THEATRE Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal.
 Modern theatre (to seat approx. 1000)
 Owner—Redwood Theatres, Inc., Geo. M. Mann and Chas. K. Koerner.
 Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Completed.

THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. Twelfth and Broadway.

Two-story theatre and store building (theatre to seat approx. 800).

Owner—Levy Estate, Oakland.

Architect—Clausen & Amandes, Hearst Bldg., San Francisco.

Specifications are being written. Bids will be called for about Feb. 24.

Preparing Working Drawings.

THEATRE Cost, \$—
OAKLAND, Alameda Co., Cal. Broadway, Franklin and 20th Sts.

Class A theatre (seating 3500).

Owner—Albert Kearne, Samuel Ham-burger, et al.

Lessee—Warner Brothers.

Architect—G. Albert Lansburgh, 140 Montgomery St., San Francisco.

A 30-year lease has been taken on the property.

Preparing Working Drawings.

THEATRE Cost, \$250,000
HUNTINGTON PARK, Los Angeles Co., Cal.

Class A reinforced concrete theatre and stores (14x150-ft.).

Owner—Warner Bros. Pacific States Theatres (Maurice A. Silver, general manager).

Architect—B. Marcus Priteca, Warner Bros. Downtown Theatre Bldg., Los Angeles.

Preparing Working Drawings.

THEATRE Cost, \$250,000
SAN PEDRO, Los Angeles Co., Calif. 488 W 6th St.

Class A reinforced concrete theatre and stores (theatre to seat 2,000)

Owner—Warner Bros. Pacific States Theatres (Maurice A. Silver, general manager).

Architect—B. Marcus Priteca, Warner Bros. Downtown Theatre Bldg., Los Angeles.

Sketches Prepared.

THEATRE Cost, \$350,000
PASADENA, Los Angeles Co., Cal. Colorado Blvd.

Class A reinforced concrete theatre and shops (to seat 2500)

Owner—Represented by John F. Skorpik, 314 S. Lake St., Pasadena.

Architect—Balch & Stanberry, Film Exchange Bldg., Los Angeles.

WHARVES AND DOCKS

PEARL HARBOR, T. H.—See "Government Work and Supplies," this issue. Bids wanted by Bureau of Yards and Docks, Navy Department, for reinforced concrete pier, quays and bulkheads, including piping and electrical work at Pearl Harbor.

Plans To Be Prepared.

PIER Cost, \$500,000
SANTA CRUZ, Santa Cruz Co., Cal. Pleasure pier (concession buildings, hotel, etc.)

Owner—City of Santa Cruz.

Architect—Not Selected.

Lessee—John Tait, (Tait's at the Beach), San Francisco.

More definite information will be given shortly.

MISCELLANEOUS CONSTRUCTION

NAPA, Napa Co., Calif.—M. Van Rensselaer, manager of the Lokoya Lodge, a resort in the Napa Redwoods, 10 miles west of this city, plans extensive improvements, including development of a 300-acre tract for homesites, a swimming pool and a golf course.

YOSEMITE, Mariposa Co., Calif.—Stephen T. Mather Appreciation National Committee has been organized to raise \$150,000 to finance erection of a permanent testimonial to the late director of national parks, it is announced by John Hays Hammond, national chairman of the committee. The nature of the testimonial has not yet been determined.

OAKLAND, Alameda Co., Cal.—Until February 26, 8 P. M., bids will be received by John H. Kimball, Secretary East Bay Municipal District, 152 16th St., for furnishing approx. 1050 barrels of Portland cement, 800 tons of coarse aggregate, 400 tons fine aggregate, 80,000 lbs. reinforcing steel, 55,000 ft. B.M. redwood and pine rough lumber. Specifications obtainable from office of district.

See call for bids under official proposal section in this issue.

Contemplated.

GRANDSTAND Cost, \$150,000
POMONA, Los Angeles Co., Cal. County Fairgrounds.

Grandstand (to seat 12,000).

Owner—Los Angeles County Fair Association.

Architect—None.

MENDOCINO COUNTY, Cal.—Until February 27, 2 P. M., bids will be received by F. W. Hazelwood, District Engineer, District No. 1, Eureka, to construct rubble masonry retaining walls on approximately 2.5 miles north of Bridges Creek.

OAKLAND, Cal.—San Leandro Rock Co., at \$90 cu. yd. awarded contract by City Port Commission to furnish at Municipal Airport, 5,000 cu. yds. quarry waste. Central Coast Co., at \$1.04 cu. yd. awarded contract to furnish 5,000 cu. yds. crushed rock, same delivery point.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor G. A. Kneese preparing plans for swimming "dam" at County Memorial Park.

SAN FRANCISCO—Bids will be asked shortly by Board of Public Works, S. J. Hester, Secretary, for installing approximately 60,000 pedestrian lane markers, 1000 traffic turning buttons, removing and installing 500 traffic turning buttons, installing 1000 plain safety zone buttons, installing 200 reflector type safety zone buttons, replacing approximately 400 reflector type safety zone buttons with buttons containing whole reflectors, hauling buttons to Corporation Yard, and replacing broken reflectors with new ones. Further mention will be made of this work when date for bid opening is officially set.

Bids Wanted—To Be Opened Feb. 27, 12 Noon.

STATION Cost, \$—
SAN FRANCISCO. Children's Playground, Golden Gate Park. One-story convenience station. Owner—City and County of San Francisco (Park Commission).

Architect—None.

Separate bids are being taken for roofing, tile, wall tile, terrazzo flooring, toilet partitions, hardware, and plastering. Plans obtainable from office of Park Commission, Park Lodge, Golden Gate Park.

SAN FRANCISCO—Until February 26, 2:30 P. M., bids will be received by Board of Public Works to furnish and deliver a portable gravel plant for the Coast Range Division of the Hetchy

Hetchy Water Supply System, under Contract No. 121. Bond in the sum of one-half the amount of the contract price required of the successful bidder. Certified check 10% payable to clerk of the Board of Supervisors required with bid. Spec. obtainable from the Bureau of Engineering, 3rd floor, City Hall, on deposit of \$5, returnable.

RID BLUFF, Tehama Co., Cal.—E. E. Stevens, superintendent of the Municipal Water Department, directed to arrange for painting the new 250,000-gal. water tank and the two old 125,000-gal. tanks. Graphite and aluminum paint will be used.

RICHMOND, Contra Costa Co., Cal.—Richmond Tennis Club has petitioned the city council to construct additional courts in various sections of the city. Referred to City Manager J. A. McVittie for report.

SAN FRANCISCO—Board of Public Works has extended the time for opening bids to rehabilitate the Stockton Street Tunnel to March 5, 2:30 P. M. Bids were originally scheduled to be opened Feb. 19. Under the first original bid call J. W. Cobby submitted the low bid at \$21,973. This was rejected. The project involves waterproofing, lighting and general repairs. Plans are obtainable from the Bureau of Engineering, 3rd floor, City Hall.

SUB-CONTRACTOR IS WORTHY OF CONSIDERATION

When it comes to a building or construction project, the sub-contractor is just as important a cog in the general scheme of things as the architect or the general contractor, and yet he is the one usually given the least consideration and most abuse.

As to the importance of the sub-contractor none will dispute the fact that he is largely instrumental in landing a contract for the general contractor. Collectively, the sub-contractors furnish the general contractor the basic figures for his ultimate bid on a project. If the sub-contractor figures are high, it stands to reason the general figure will also be high. On the other hand, if the sub-trade bids are low, the general will also be low, undoubtedly resulting in a contract award.

When a sub-contractor has furnished his best figure and through it the general contractor has been able to land a contract, the "poor" sub-contractor feels that he is entitled to his share of the spoils without further bid revision or delay. As matters stand at the present, there are a number of general contractors who keep sub-contractors calling week after week and month after month to see if they will get their share of the work.

Now, if the sub-contractor invests his time, experience, knowledge, and money for the general contractor before the contract is awarded, certainly he should not be forced to waste his time after the award. He should be told openly just where his bid stood and not asked to wait until new bids are obtained elsewhere. Procrastination of this sort inflicts a handicap on the plumber, the painter, the electrician, the plasterer and a host of others making up the legion of sub-contractors.

Someday, the bid-peddling, procrastinating general contractor will find himself in a serious predicament, when the sub-contractors have banded together and have refused to figure a job. And, it will come to that.—(Journal of Commerce, Los Angeles).

Engineering News Section

BRIDGES

CHICO, Butte Co., Cal.—City Manager Harry H. Hume is preparing estimates of cost to widen Broadway bridge over Little Chico Creek, declared "a traffic hazard."

SISKIYOU COUNTY, Cal.—Following three low bids received Feb. 13, by State Highway Commission to construct a reinforced concrete bridge at Station 296+75.25, about 5½ miles north of Yreka, consisting of one 200 ft. open spandrel arch span and three 40 ft. girder approach spans:

Jacobs & Pattiani, 337 17th St., Oakland \$71,548
H. E. Doering, Portland, Ore..... 71,990
Fred J. Maurer & Son, Eureka 74,985

SAN JOAQUIN CO., Cal.—As previously reported, bids will be received by State Highway Commission March 12, to construct a reinforced concrete girder bridges between Lodi and Stockton, one across Calaveras river, consisting of three 34-ft. spans; a second across Mosher creek, consisting of three 27-ft. spans; a third across Bear creek, consisting of three 30-ft. spans; and another across Live Oak creek, consisting of two 30-ft. spans. Project involves 1750 cu. yds. rdwy. excav. (detours); 2515 cu. yds. strucc. excav.; detour bridges, complete; remove existing bridges; 275 tons crushed gravel or stone (detour surfacing); 1468 cu. yds. class A cem. conc.; 31 cu. yds. class E cem. conc.; 240,000 lbs. reinf. steel; 1540 pounds phosphor bronze expan. plates; 1 lot miscellaneous items of work.

VALLEJO, Solano Co., Cal.—Louis Tagnon, Vallejo, at \$2654 awarded contract by city to construct a reinforced concrete culvert with wood pile foundation on Sonoma street extension near the northwestern line of the Southern Pacific R. R. right-of-way.

OROVILLE, Butte Co., Cal.—Until March 3, 2 P. M., bids will be received by C. F. Belding, county clerk, to construct concrete bridge over Clear Creek near the Lewis place on Clark road. Certified check of 10% required with bid. Plans obtainable from clerk and from County Road Engineer J. A. Baumgarner.

OROVILLE, Butte Co., Cal.—Until March 3, 2 P. M., bids will be received by C. F. Belding, county clerk, to construct small concrete bridge over a slough near Lewis place on Clark rd. Certified check of 10% required with bid. Plans obtainable from county clerk and County Road Engineer J. A. Baumgarner.

INDIO, Riverside Co., Cal.—Southern Pacific Co. engineers are replacing the old wooden bridges east of Thermal and west of Indio with new steel structures, each consisting of six 80-ft. spans. L. U. Morris, superintendent, is supervising the work.

STOCKTON, San Joaquin Co., Cal.—Ralph Hunter, at \$7200 awarded contract by county supervisors to re-flood the Old River Bridge on the Borden Highway. Other bids were: E. R. Stokes, \$7339; M. E. McGowan, \$8187. Bid of Carl Nelson at \$7155 was not considered due to his failure to

file bids with the supervisors of both San Joaquin and Contra Costa Counties, who will finance the work.

VALLEJO, Solano Co., Cal.—San Francisco, Napa and Calistoga Railroad Co. has informed the city council that the company is willing to pay one-half the expense of renewing the Sacramento street bridge north of Vallejo, provided the cost does not exceed \$13,000. The railroad company has advised the council that an estimate of \$12,275 has been made in addition to \$525 for paving. The matter has been referred to Frank Brew, city commissioner of public works for report.

STOCKTON, San Joaquin Co., Cal.—State Railroad Commission has authorized Southern Pacific R. R. to construct a subway on the Lower Sacramento Road near Woodbridge to be known as the "Forest Lake Underpass." It is tentatively understood that the county and r. r. will share the cost of construction equally.

WOODLAND, Yolo Co., Cal.—Bids will be asked about March 3 by the county supervisors to construct a bridge over Adams Canal of the Clear Lake Water Company at the intersection of the road near Capay. The structure will cost \$2000.

SANTA CRUZ, Santa Cruz Co., Cal.—County Surveyor Lloyd Bowman making surveys for underpass at Southern Pacific Chittenden railroad crossing, to be financed jointly by the county and the Southern Pacific Railroad.

HUMBOLDT CO., Calif.—Following bids received Jan. 19 by State Highway Commission to construct under-grade crossing under tracks of Northwestern Pacific Railroad at Loleta, consisting of a 60-ft. deck plate girder span on concrete piers with pile foundations:

F. J. Maurer & Son, Eureka.....\$10,880
Smith Bros. Co., Eureka..... 11,586

DREDGING, HARBOR WORKS & EXCAVATIONS

PEARL HARBOR, T. H.—See "Government Work and Supplies," this issue. Bids wanted by Bureau of Yards and Docks, Navy Department, for reinforced concrete pier, quays and bulkheads, including piping and electrical work at Pearl Harbor.

Hard Boiled Hats

protect the head from falling tools, rivets, etc.

BULLARD-DAVIS, Inc.

SAN FRANCISCO LOS ANGELES
275 8th St. 800 W. 11th St.
Market 2322 Westmore 4179

MARTINEZ, Contra Costa Co., Cal.—Chamber of Commerce has submitted proposal to city council to construct a yacht harbor to accommodate fishing craft, the Chamber to repay the city the sum of \$8,000 for the improvement within a period of 11 years.

CORONADO, San Diego Co., Cal.—The city planning commission has adopted plans for a \$250,000 harbor improvement project as planned by E. A. Ingham, superintendent of operation. Under this plan, the turning basin in Glorietta Bay will be enlarged from a 200 ft. radius to 1000x2000 ft., with extensive dredging to provide a depth of 10 ft. or more over the entire bay, with bulkheads, parking areas, etc. The project and plans will probably be placed before the city council in the near future.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Calif.—J. E. Auldred, Turlock, at \$6136.18, awarded contract by Turlock Irrigation District for cement lining of canals in Improvement District No. 5, under Schedules Nos. 1 and 2. Ed. Erickson, Turlock, next low at \$6363.13

TURLOCK, Stanislaus Co., Calif.—Until March 10, 1:30 P. M., bids will be received by Anna M. Sorenson, secretary, Turlock Irrigation District, for canal lining and miscellaneous improvements in Improvement Districts Nos. 13, 23, 30 and 40. Plans on file in office of secretary.

TURLOCK, Stanislaus Co., Cal.—Until March 10, 2 P. M., bids will be received by Anna M. Sorenson, Secretary, Turlock Irrigation District, for construction in Improvement District No. 13, involving under:

Schedule No. 1
Section 1—74,888 sq. ft. 2-in. concrete canal lining;
Section 2—33,147 sq. ft. 2-in. concrete canal lining.

Schedule No. 2
Construct approximately 100 concrete structures, involving a total of 107.6 cu. yds. concrete. (Will be paid for in cash by property owners benefited).

Bond of one-half of the contract price required of successful bidder. Certified check 5% payable to district required with bid. Specifications obtainable from secretary.

TURLOCK, Stanislaus Co., Calif.—Until March 10, 2:30 P. M., bids will be received by Anna M. Sorenson, secretary, Turlock Irrigation District, for construction in Improvement District No. 40, involving under:

Schedule No. 1
Section 1—48,088 sq. ft. 2-in. concrete canal lining;
Section 2—14,850 do;
Section 3—1,860 do;
Section 4—14,350 do;
Section 5—14,680 do.

Schedule No. 2
Construct 253 lin. ft. concrete canal lining to be raised approx. 6 inches.

Schedule No. 3
Construct 971 lin. ft. 24-in. diameter concrete pipe.

Schedule No. 4
Construct 23 concrete structures, involving 24.36 cu. yds. concrete, (this

work will be paid for by property owners benefited.)

Bond of one-half of the contract price required of successful bidder. Certified check 5% payable to district required with bid. Spec. obtainable from secretary.

TURLOCK, Stanislaus Co., Calif.—Until March 10, 2:30 P. M., bids will be received by Anna M. Sorensen, secretary, Turlock Irrigation District, for construction in Improvement Dist. No. 28, involving under:

Schedule No. 1

Section 1—10,572.00 sq. ft. 2-in. conc. canal lining.

Section 2—13,478.00 do;

Section 3—5,751.84 do;

Section 4—7,176.00 do.

Schedule No. 2

Construct approximately 12 concrete structures, involving 13.55 cu. yds. concrete. (Work will be paid for in cash by property owners benefited.)

Schedule No. 3

Construct one wooden bridge, involving 832 B.F.M. (This work will be paid for in cash by property owners benefited.)

Bond of one-half of the contract price required of successful bidder. Certified check 5% payable to district required with bid. Spec. obtainable from secretary.

TIA JUANA, Mex.—Governor Jose Maria Tapia has announced that about \$2,500,000 will be expended on irrigation works in the Tia Juana valley following the completion of the Rodriguez Dam across the Tia Juana river. The government plans to organize a colony of 3000 Mexicans and to install American methods and farm machinery. It is probable that an agricultural school will be built.

STREET LIGHTING SYSTEMS

FRESNO, Fresno Co., Cal.—Proceedings have been started by the city council to install 46 electroliters in Fresno and North Fresno Sts., between O and Belmont Aves., and an unestimated number in Stanislaus St. from Van Ness Ave. to Blackstone Ave., and in Blackstone Ave. from Stanislaus to Olive Ave. As previously reported, proceedings are under way for similar installations in R and Merced Sts. Property owners, in each instance, have petitioned for the work. Andrew M. Jensen is city engineer.

NEVADA CITY, Nevada Co., Cal.—City trustees are conferring with Pacific Gas & Electric Co. in connection with proposed new street lighting system.

REDWOOD CITY, San Mateo Co., Cal.—City council has started proceedings for ornamental lighting system in Broadway, Brewster and Hopkins Aves., west of El Camino Real to Jeter St. Will be one-light standard. C. L. Dimmitt, is city engineer.

MODESTO, Stanislaus Co., Calif.—City Engineer Frank Rossi preparing estimates of cost for ornamental street lighting system in H St. bet. 9th and 12th Sts., property owners having petitioned for the work.

LOS ANGELES, Cal.—Underground Const. Co., 2210 Hyperion St., submitted low bid to the county supervisors at \$83,864 to construct lighting system in Las Tunas Drive and other streets, Tract 6561 in C. I. No. 903, involving 306 Union Metal standards.

LOS ANGELES, Cal.—Underground Const. Co., 2210 Hyperion St., awarded contract by county supervisors at

\$83,864 for lighting system in Las Tunas Drive and other streets. Tract 6561, in C. I. No. 903, involving 306 Union Metal standards.

LOS ANGELES, Cal.—D. S. McEwan, 3018 Lincoln Blvd., Ocean Park, submitted low bid to Board of Public Works at \$22,129 for ornamental light system in La Brea Ave., bet. Franklin and Fountain Aves., involving Union Metal pressed steel posts.

SAN BERNARDINO, Cal.—City Engineer A. H. Lowe, has prepared estimate of cost of proposed lighting system for Base Line St. bet. Waterman Ave. and Mt. Vernon Ave. The cost would be \$52,995.53 and will involve 153 ornamental Marbelite posts.

MODESTO, Stanislaus Co., Calif.—City Council, on petition of property owners, has postponed action indefinitely on the proposal to install an electroliter system in Eleventh St., bet. M. S. and Needham Ave.

SACRAMENTO, Cal.—City Council declares intention (2297) to install ornamental street lighting system in J St., bet. 9th and 10th Sts., consisting of 8 metal electroliters together with underground system. 1911 Act. Bond Act 1915. Hearing March 6. H. G. Denton, city clerk. B. C. Clark, city engineer.

MACHINERY AND EQUIPMENT

HAWTHORNE, Nevada.—Bureau of Yards and Docks, Navy Department, Washington, D. C., is completing Specification No. 6110, for scales for the Naval Ammunition Depot at Hawthorne. The work consists of one 100 ton (200,000-lb.) railroad track scale, one 15-ton (30,000-lb.) motor truck scale and the services of an expert erector to supervise and assist in the installation, all complete. When available, plans and specifications may be obtained from the District Public Works Officer, Room 513, 100 Harrison St., San Francisco, Calif., upon deposit of \$10.00 check or money order payable to the Chief of the Bureau of Yards and Docks.

MADERA, Madera Co., Calif.—Until February 25, 8 P. M., bids will be received by John Page, clerk, Ripperdan School Dist., Route 3, Box 146, Madera, to furnish and deliver one Model AA new Ford 1 1/2 ton truck chassis equipped with Fab Extension frame No. 60, overload springs, dual tires rear, size 32x8, single tire front, size 32x6, one spare tire and one Patchetts and Carstensen school coach body No. 197 C. G. Certified check 10% required with bid. Further information obtainable from clerk.

RIVERBANK, Stanislaus Co., Calif.—City council has approved a \$500 to finance purchase of light motor truck, equipped with a pump for drawing water from mains. Bids will be asked at once by G. C. Staley, city clerk.

OAKLAND, Cal.—Until February 26, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., to furnish and deliver one 1 1/2-ton truck chassis. Turn-in allowance on Dodge Commercial motor No. 814225 will be considered. Specifications obtainable from secretary.

OAKLAND, Cal.—Pacific Coast Engineering Co., foot of 14th St., Oakland, at \$8,468 submitted low bid to City Port Commission to furnish dredge hull and ladder pipe. General Engineering and Drydock Co., Oakland, at \$9,120 only other bidder.

STOCKTON, San Joaquin Co., Cal.—County Supervisors authorize the purchase of a scarifier with 10 ft. blades. Julius Manthey is county surveyor.

FRESNO, Fresno Co., Cal.—Until February 20, 2 P. M., bids will be received by R. J. Carlisle, superintendent of equipment, Department of Public Works, Division of Highways, 645 West Olive Ave., Fresno, for the purchase of the following used equipment, no longer required by the Fresno Division:

2—Liberty 3 1/2 Yard Dump Trucks

CHC No. 1851 and 1852.

1—2 Ton Highway Trailer with 500

gallon water tank CHC No. 38.

1—2 Ton Budd Trailer with 2 - 250

Gal. U. S. Signal Corp. tanks,

CHC No. 179.

1—Detroit Mower Attachment for

Fordson Tractor, CHC No. 34.

1—2 Ton Stationary Power Unit Frames.

1—2 Ton Caterpillar Tractor, CHC

No. 266.

1—McCormick Deering 10-20 Tractor

Runby Tired with an Austin 8'

Leaning wheel grader attachment,

CHC No. 105.

1—Fordson Tractor CHC No. 93.

1—BCR 430 Ingersoll Rand Jack-

hammer CHC No. 121.

Successful bidder to take delivery

of equipment upon receipt of notification

from the State Equipment Engineer.

Equipment may be inspected on any

working day at Shop 6 of the High-

way Division, 645 West Olive Ave.,

Fresno.

BERKLEY, Alameda Co., Cal.—Until February 25, 10 A. M., bids will be received by Florence E. Turner, City Clerk, to furnish one five-ton dump truck for use of Street Department. Certified check 10% required with bid. Specifications on file in office of clerk.

SAN FRANCISCO.—Until February 26, 2:30 P. M., bids will be received by Board of Public Works to furnish and deliver a portable gravel plant for the Coast Range Division of the Hatch Hetchy Water Supply System, under Contract No. 121. Bond in the sum of one-half the amount of the contract price required of the successful bidder. Certified check 10% payable to clerk of the Board of Supervisors required with bid. Spec. obtainable from the Bureau of Engineering, 3rd floor, City Hall, on deposit of \$5, returnable.

HEALDSBURG, Sonoma Co., Cal.—Basalt Rock Co. of Napa plans immediate construction of a \$150,000 gravel plant on the Russian river near Healdsburg. Other developments are proposed in construction of the plant, bringing the ultimate expenditure to \$250,000.

RAILROADS

OAKLAND, Cal.—U. S. Steel Products Co., Rialto Bldg., San Francisco, at \$30,926 awarded contract by City Port Commission to furnish track material involved in the construction of the 9th Ave. pier.

SAN BERNARDINO, Cal.—The local offices of the Santa Fe Ry. have announced that work will be started within a month on the double tracking of the Santa Fe Ry. bet. Riverside Junction and Highgrove. Est. cost, \$226,000. The company plans to expend about \$2,000,000 for double track between Winslow and Joseph City, Ariz., about 22 miles. Other work proposed to be started within the next few months is laying of heavy

ler rails between Victorville and Summit.

SAN FRANCISCO—The Western Pacific Ry. has announced that the company will spend \$1,548,000 during 1930 for improvements in California. Approximately \$214,000 will be used for improvements at the San Francisco bay terminals; \$177,000 for new 3-story freight terminal on 7th St. near Brannan; \$37,000 for rail changes, track improvements, and safety devices in Oakland, and the remainder for general betterments and rail improvements.

GILROY, Santa Clara Co., Cal.—Engineering Department of Southern Pacific R. R., is making survey for a double track from Watsonville Junction to Logan, starting at the north city limits of Gilroy, for a distance of approximately 14 miles. A double track from Pomar south to Coyote, a distance of 3½ miles is also proposed.

FIRE ALARM SYSTEMS

SAN MATEO, San Mateo Co., Cal.—Bids will be asked at once by F. W. Foster, city clerk, to install fire alarm system involving 14 boxes in the business section and extending to the Lawrence School; estimated cost \$2700. Specifications on file in office of city clerk.

PITTSBURG, Contra Costa Co., Cal.—City Manager Roy A. Watkins preparing estimates of cost to repair present fire alarm system and for proposed extension of the system into the outlying and the present unprotected districts.

SALINAS, Monterey Co., Cal.—City Engineer Howard Cozens preparing plans for installation of traffic devices at Main and San Luis, Main, Market and El Sausal Sts., and N Main St.

FIRE EQUIPMENT

BURLINGAME, San Mateo Co., Cal.—City Purchasing Agent Frank A. Bloom instructed to call bids to furnish and deliver a "metropolitan type" hook and ladder truck for the fire department; estimated cost \$10,500.

CARMEL, Monterey Co., Cal.—City council will call election shortly to vote bonds of \$15,000 to finance purchase of motor fire fighting truck for volunteer fire department.

SONORA, Tuolumne Co., Cal.—Lions Club and American Legion will request the county supervisors to purchase a fire truck to combat farm and forest fires. The cost of the equipment is estimated at \$4,000.

SAN JOSE, Santa Clara Co., Cal.—City council rejects bids to furnish 2500 ft. 2½-in. high pressure fire hose and the material will be purchased in the open market. John J. Lynch, city clerk.

SAN JOSE, Santa Clara Co., Cal.—City council takes under advisement bids received to furnish four six cylinder truck chassis, as follows: "A" One 1½-ton chassis to replace Chemical No. 1; "B" One 1½-ton chassis to replace Chemical No. 6; "C" One 2-ton chassis to replace Chemical No. 4; "D" One 2-ton chassis to replace Chemical No. 5. Chassis furnished for "A" and "B" to be equipped with cab seats. All chassis shall be equipped with full length running boards and rear fenders. Bids were submitted by San Jose Knight Sales, Garden City Chevrolet Co., George P. Peterson Motor Sales, Osen Motor Co., San Jose Buick Co., Picchetti Bros. & Co., and Henry C. Artana, Inc.

MISCELLANEOUS SUPPLIES AND MATERIALS

MARTINEZ, Contra Costa Co., Cal.—Associated Oil Co. at 4c gal. less than tank wagon prices, awarded contract by county supervisors to furnish and deliver gasoline required for county during the next year. Union Oil Co. awarded contract to furnish oils and greases.

SACRAMENTO, Cal.—City Commission contemplates installation of "stop" signs along H St., between 12th and 31st Sts., and in 12th St., bet. H St. and north city limits. B. C. Clark is city engineer and H. G. Denton, city clerk.

BERKELEY, Alameda Co., Cal.—Until February 25, 10 A. M., bids will be received by Florence E. Turner, city clerk, to furnish and deliver street name signs. Certified check 10% required with bid. Specifications on file in the office of the city clerk.

RESERVOIRS AND DAMS

AVALON, Los Angeles Co., Cal.—William Wrigley Jr. has announced that work will start in the near future on construction of the new Cottonwood Canyon Dam, to be located 0.75 mile from the ocean, above Cottonwood bridge on the highway from Avalon to the Isthmus. The type of dam has not been determined as extensive tests are being made on the formations. Construction will be of either concrete or earth fill. Mr. Kerr with J. B. Lippincott, Los Angeles, who is preparing a preliminary survey, has recommended a medium height dam. The proposed reservoir would have a capacity of 500,000,000 gals. The proposed work involves a pipe line from Cottonwood Dam to the Thompson Dam, about 11,700 ft. in length. Of this 4200 lin. ft. will be pressure pipe, the balance 7½ in. gravity. D. M. Renton, general manager of the Wrigley interests, is in charge of this work.

ANTIOCH, Contra Costa Co., Cal.—City council has acquired the neces-

sary lands for enlargement of smaller dams in connection with the municipal water system to provide an additional 22-million gallons. The main dam will not be raised at this time. E. L. O'Hara, city engineer, will commence plans at once.

BAKERSFIELD, Kern Co., Cal.—Robinson-Roberts Co., Rives-Strong Bldg., Los Angeles, has been awarded the contract by the Petroleum Securities Corp., to construct a reservoir at the Kern River Oil Filed five miles northwest of Bakersfield. The reservoir will be of the earth type with concrete lining and have a capacity of 1,000,000 bbls. The work involves certain pipe lines and the necessary appurtenances.

SOLANO-CONTRA COSTA COUNTIES, Cal.—Martin Judge Jr. & Co., San Francisco seeks authorization of the State Department of Public Works, Division of Water Rights, to build at \$3,000,000 dam and divert water from the north fork of Cache Creek in Lake County for industrial, domestic and irrigation purposes in Solano and Contra Costa counties. The company proposes in its application to divert 175,000 acre feet of water between October 15th and April 15th into a storage reservoir in Indian Valley, which is to have a surface area of 6000 acres and 150,000 acre feet capacity. The dam to retain the water would be 600 feet long and 160 feet high. The district also would be served with power from the project.

PIPE LINES, WELLS, ETC.

HANFORD, Kings Co., Cal.—Felix Oil Co. has announced that it will build a pipe line from the Kettleman Hills to Fresno and Kings County to provide natural gas for operation of pumping plants, boosting water wells and other ranch purposes. The announcement was made by A. F. Nunes, president.

BAKERSFIELD, Kern Co., Calif.—See "Reservoirs and Dams," this issue. Twelve-mile oil pipe line planned in connection with reservoir project.

PALO ALTO, Santa Clara Co., Cal.—Until February 24, 4 P. M., bids will be received by E. L. Beach, city clerk, to construct gravel envelope wall. Spec. obtainable from J. F. Byxbee, Jr., city engineer.

BAKERSFIELD, Kern Co., Cal.—Until March 1 (to be opened March 3, 7 P. M.) bids will be received by W. S. Buchner, secretary, Oldalde Mutual Water Co., to drill 16-in. well a minimum of 300 feet with privilege of stopping between 300 and 500 ft. Further information obtainable from secretary.

SEWERS AND SEWAGE DISPOSAL PLANTS

LOS ANGELES, Cal.—The date for the proposed \$3,400,000 sewer bond issue of County Sanitation District No. 3 has been postponed from April 1. The new date has not been set.

LOS ANGELES, Cal.—Chutuk, Kordich & Vukojevich, 3518 Percy Street, awarded contract by the board of public works at \$145,535.53 to construct sanitary sewers in 13th St. and Lealand St. Sewer District.

SANTA CLARA, Santa Clara Co., Calif.—DeGolyer and Bruce, Federal Telegraph Bldg., Oakland, at \$2,875 awarded contract by city to construct

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SAN FRANCISCO—Louis J. Cohn, 117 Montgomery St., at \$59,334, awarded contract by Board of Public Works to construct 15th St. sewer, Section A from Harrison St. to Howard St. Funds will be provided from the Sewer Bond Issue. Project will involve approx. 940 ft. 6-ft. 6-in. by 8-ft. 6-in. reinf. conc. sewer; 230 ft. 6-ft. reinf. conc. circular sewer; 28,000 sq. ft. wood piling.

LOS ANGELES, Cal.—Until 2 P. M., March 10, bids will be received by the county supervisors for constructing sewers in Eastmont Ave., Brady Ave., Alston St., Flint St. et al. C. I. No. 557, for vitrified sewer system, 9.16 miles in length, estimated to cost \$113,216. The quantities are: 34,550 ft. 8-in. vit. sewer; 7040 ft. 8-in. sewer with concr. cradle; 2900 ft. 10-in. vit. sewer with concrete cradle; 1540 ft. 12-in. vit. sewer; 2330 ft. 12-in. vit. sewer with concrete cradle; 25,100 ft. 6-in. vit. house sewers; 62 flushing manholes; 79 manholes; 17 drop manholes; chambers; 540 ft. 6-in. vit. chimney pipe; 3960 ft. 3/4-in. galv. iron pipe extension to water mains; 2, remove existing inlets in junction chambers of an existing sewer of the county and Tract 5445 trunk sewer of San. Dist. No. 2 and form new channels in bases.

MADERA, Madera Co., Cal.—City council will call election in April to vote bonds of \$20,000 to finance extensions to the sewer system on the north side of the Fresno river, in the southern section of the city and other sections not now served.

REDWOOD CITY, San Mateo Co., Cal.—County supervisors postpone action on proceedings for formation of the proposed \$175,000 North Fair Oaks Sewer District. Further consideration will be given to the proposed project on March 3.

LOS ANGELES, Cal.—Contratto Bros., 2955 Cudahy St., Walnut Park, submitted low bid to the county supervisors at \$136,615 for the construction of sewers in Belvedere Unit No. 2, Blanchard St., Brannick St., Capistrano Way and other streets, C. I. No. 662, involving in the main: 40,430 ft. 8-in. cement sewer; 14,000 lin. ft. 8-in. cement sewer with concrete cradle; 2530 ft. 8-in. cement sewer encased with concrete; 140 ft. 8-in. class B or class 150 DeLavaud cast iron pipe; 620 ft. 12-in. cement pipe sewer with standard concrete cradle; 20 ft. 12-in. cement sewer encased; 2840 ft. 15-in. cement sewer with concrete cradle; 120 ft. 15-in. cement sewer encased; 26,100 ft. 6-in. cement house connections; 20 ft. 6in. cast iron pipe house connections; 76 flushing manholes; 4 double flushing manholes; 133 standard manholes; 40 drop manholes; 9 double drop manholes; 45 junction chambers, etc.

HEALDSBURG, Sonoma Co., Calif.—Until March 3, bids will be received by City Trustees to construct sewers in Mason, Hudson and Front Sts. and in the Ward Addition estimated cost, \$7,000. Plans obtainable from City Engineer A. B. Stuart.

SAN JACINTO, Riverside Co., Cal.—Culjak & Zelko, 2137 City View St., Los Angeles, submitted low bid to the city council at \$71,000 to construct sewage collection system and a sewage disposal system. Koebig & Koehlg, consulting engineers, 821 Rowan Bldg., Los Angeles. The work is to be done under A. & L. No. 1. The approximate quantities are: 40,434 ft. 8-in., 5437 ft. 10-in., and 6620 ft. 12-in.

vit. sewer; 1800 ft. 2-in. galv. iron pipe; 84 10-in. wyres; 256 12-in. wyres; 139 manholes; 18 flush tanks; 1052 8-in. wyres. Disposal plant consisting of pipe, fittings, Imhoff tank, pumping plant, sludge beds, filter beds, industrial filter beds, walks, etc.

BERKELEY, Alameda Co., Calif.—City Attorney Earl J. Sinclair is preparing to fight the application of residents of North Berkeley who seek an injunction to void the contract with J. C. Hickey for the construction of the \$221,000 sewer project. The suit was filed in the court of Superior Judge T. W. Harris court in Oakland by Frank W. Cornish, attorney representing the property owners. Hearing has been set for February 20. The property owners contend the sewer will benefit only two-thirds of the area assessed.

GRASS VALLEY, Nevada Co., Cal.—City trustees contemplate construction of storm drain in the Alta Hill section.

SALINAS, Monterey Co., Cal.—Granite Construction Co., Watsonville, at \$2253.28 awarded contract by city council to construct sewer extension in Summer St. Cogo & Rados only other bidders at \$4406.80.

FRESNO, Fresno Co., Cal.—Until February 27, 10:30 A. M., bids will be received by H. S. Foster, city clerk, (100-D) to construct 6-in. vitrified clay pipe sewer in alleys in Roedings Addition including 3 concrete manholes; 4-in. on 6-in. wyres. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. A. M. Jensen, city engineer.

SAN JACINTO, Riverside Co., Cal.—Culjak & Zelko, 2137 City View St., Los Angeles, awarded contract by the city at \$71,000 to construct sewage collection system and a sewage disposal system, involving 40,434 ft. 8-in. vit. sewer; 5437 ft. 10-in. vit. sewer; 6620 ft. 12-in. vit. sewer; 1800 ft. 2-in. galv. iron pipe; 84 10-in. wyres 256 12-in. wyres; 139 manholes; 18 flush tanks; 1052 8-in. wyres. Disposal plant consisting of pipe, fittings, Imhoff tank, pumping plant, sludge beds, filter beds, industrial filter beds, walks, etc.

MISCELLANEOUS CONSTRUCTION

LOS ANGELES, Cal.—Until 10 A. M., March 19, bids will be received by the Board of Public Works for the construction of three tunnels and appurtenant work in connection with the Figueroa Street Extension, in accordance with plans prepared by Merrill

Butler, chief bridge engineer, City Hall. The work involves construction of three concrete and tile lined tunnels through Elysian Park, the tunnel to be approximately 46.5 ft. in width by 23 ft. high, of semi-circular shape, of an aggregate length of 995 ft. There will be one 5 ft. walk with a 1 1/2-ft. curb on the opposite side. In addition to the tunnels, the job will include storm drain estimated at about \$30,000, retaining wall, and necessary walks and cement concrete paving. The cost is roughly estimated between \$700,000 and \$800,000.

TORO POINT, San Luis Obispo Co., Cal.—Clearing of the site and construction has been started on a tank farm at Toro Point for the Standard Oil Co. Twelve new storage tanks will be constructed for the storage of oil from the Kettleman Hills district. The tanks will have capacity of from 50,000 to 85,000 barrels.

WATER WORKS

SAN MATEO, San Mateo Co., Cal.—Bids will be asked at once by E. W. Foster, city clerk, to grade and install water pipes in East San Mateo Park district. Plans on file in office of city clerk.

STRATFORD, Kings Co., Cal.—Public Utilities District was formed at a recent election and proceedings will be started at once for an election to vote bonds to finance construction of a water distributing system.

STRATHMORE, Tulare Co., Cal.—Until March 3, 7 P. M., bids will be received by H. B. Kober, Clerk, Strathmore Public Utility District, to construct pumping plant. Specifications on file at W. D. Browning Hardware Store at Strathmore.

STOCKTON, San Joaquin Co., Cal.—City Manager Walter B. Hogan authorized by city council to purchase 20 fire hydrants in the open market, for installation in various sections of the city.

STRATFORD, Kings Co., Cal.—Stratford Utility District was organized at a recent election and proceedings will now be started to vote bonds of \$30,000 to finance construction of wells and erection of tower and water tank for a water supply system.

MERCED, Merced Co., Cal.—Party at Post Office Box 754, Merced, is in the market for a 6-inch centrifugal pump with direct connected motor or deep well turbine; also for a 10-hp. motor. Must be in first class condition.

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FRESNO, Fresno Co., Cal.—Forkner-Giffen Fig Garden Districts Nos. 1 and 2 have voted to form a water district to construct a domestic supply system. The election carried with it an authority to issue bonds of \$67,000 to finance replacement of wooden water mains with a modern piping system.

CENTERVILLE, Alameda Co., Cal.—Election will be held March 25 in the Alameda County Water District to vote bonds of \$250,000 to finance the purchase of the pumping rights at Alvarado from the East Bay Municipal Utilities District. The bonds would run for a period of 30 years from 1936 with \$10,000 being paid off each year. Chris. Runkel is secretary of the district.

SAN DIEGO, Cal.—Until 10 A. M., March 17, bids will be received by the city council to enlarge the Morena dam and spillway to provide an increased reservoir capacity of 1,000,000 gallons additional. Est. cost \$70,000. Plans were prepared by the city hydraulic engineer, H. N. Savage. Allen H. Wright is city clerk.

WATSONVILLE, Santa Cruz Co., Calif.—Until March 11, bids will be received by City Council to construct water works improvements and extensions under the recently voted \$125,000 bond issue. Further mention will be made of this work. Plans are obtainable from City Engineer H. B. Kitchen.

HANFORD, Kings Co., Cal.—Fairbanks-Morse Co., at \$1,161.85 submitted low bid to city council to furnish and install, complete, motor driven deep well pressure pump, together with motor, tank, switchboard and other accessories. Other bids, all taken under advisement, were: Byron-Jackson Co., San Francisco, \$1,263; Horlock-Clow Co., Hanford, \$1,300; Sterling Pump Works, Stockton, \$1,309.

MOUNTAIN VIEW, Santa Clara Co., Cal.—Dudley DeVellis, 354 Hobart St., Oakland, at \$10,249 awarded contract by city council to construct water reservoir and pump house and install pressure pump and deep well pump with necessary piping to connect to reservoir and existing distributing system.

SAN GABRIEL, Los Angeles Co., Cal.—Until 5 P. M., Feb. 25, bids will be received at the office of the San Gabriel County Water District, 106 N. San Gabriel Blvd. for special O. D. lapweld black pipe asphaltum dipped with plain beveled ends for welding as follows: 2000 ft. 8-in., weight 13.233 per ft.; 8800 ft. 6-in., weight 8.

762 per ft.; 8000 ft. 4-in., weight 5.293 per ft.; two 8-in. hub end gate valves with operating nut; five 8-in. std. screw gates with operating nut; 12 6-in. std. screw gates with operating nut; 15 4-in. std. screw gates with operating nut. Prices are asked for mill shipment, delivered trenchside. Delivery date to be stated.

MONTEREY PARK, Los Angeles Co., Cal.—City Water Superintendent Goe. H. Pash has been authorized by the city council to replace the present 25-hp. motor at the Garvey Ave. well with a 30-hp. motor.

PHOENIX, Ariz.—The \$3,453,000 water and sewer bond issue was defeated at the election Feb. 11.

MONTECITO, Calif.—March 25 has been named as tentative date for a \$200,000 bond election in the Montecito County Water District.

FRESNO, Fresno Co., Cal.—Election will be held today (Tuesday) in Fig Garden Tract to vote on the formation of a water district and the issuance of bonds of \$67,000 to finance construction of a water distributing system.

WHITTIER, Los Angeles Co., Cal.—Until 7:30 P. M., Feb. 24, bids will be received by the city council for copper service pipe as follows: 4000 ft. 3-in., 20 ft.; 2000 ft. 3-in. 18 ft.; 2,000 ft. 3-in. 16 ft.; 1000 ft. 1-in., 20 ft.; 500 ft. 1-in., 18 ft.; 500 ft. 1-in., 16 ft. Pipe is to be new tubing, cold drawn to size and shall be furnished with proper bending temper, free from cracks, seams, slivers, scale, grooves, scratches and other imperfections. Tubing shall have purity of 99.9% copper. Debbie E. Allen, city clerk.

MODESTO, Stanislaus Co., Calif.—William Osterberg awarded contract by city to drill well in S 10th St. with an estimated capacity of from 1,500 to 2,000 gals. per min. American C. I. Pipe Co. at \$2,529.30 awarded contract to furnish pipe in connection with extensions.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., March 4, bids will be received by the city council to install approx. 3400 ft. of 8-in. O. D. casing pipe line for the water department, Salisbury, Bradshaw & Taylor, 745 Petroleum Securities Bldg., Los Angeles. B. J. Firminger, city clerk.

PLAYGROUNDS & PARKS

SANTA CRUZ, Santa Cruz Co., Cal.—Stockholders of the Santa Cruz Hospital have voted to provide funds for landscape improvements in connection with the hospital grounds on

the Soquel avenue hill at the junction of Soquel and Ocean Aves.

VENTURA, Ventura Co., Cal.—Recommendations have been made to the park commission that civic organizations and clubs raise the necessary funds for planting in the Ventura city beach park. The plan proposes to divide the area into sections and have each section planted by some organization. Howard & Smith, of Los Angeles, prepared the plans.

RICHMOND, Contra Costa Co., Cal.—Richmond Tennis Club has petitioned the city council to construct additional courts in various sections of the city. Referred to city Manager J. A. McVittie for report.

STREETS AND HIGHWAYS

DOUGLAS CO., Nev.—Until March 5, 2 P. M., bids will be received by State Highway Commission to reconstruct 3.44 miles of highway between Minden and 3.45 miles north, involving grading, structures and gravel surface. Approximate quantity of materials are: 23,300 cu. yds. excavation unclassified; 48,532 yds. sta. overhaul; 3.44-mi. prepare subgrade and shoulders; 8,000 cu. yds. select borrow excavation in place; 8,500 cu. yds. rock or crushed gravel in place; 100 cu. yds. rock or crushed gravel in stockpile; 205 cu. yds. A. S. concrete; 3 cu. yds. B. conc.; 74 lin. ft. 10-in., 635 lin. ft. 18-in., 82 lin. ft. 24-in. corr. metal pipe to be installed; remove 74 lin. ft. 10-in., 132 lin. ft. 15-in., and 17 lin. ft. 18-in. corr. metal pipe; 671 M ft. B.M. timber in place; remove and reconstruct 13,020 lin. ft. fence; demolish 3 reinf. conc. box culverts. State will furnish corr. metal pipe culverts, f.o.b. cars, Minden, Nevada. Certified check 5% required with bid.

See call for bids under official proposal section in this issue.

SAN FRANCISCO.—P. J. McHugh, 466 36th Ave., at \$6,710.75 submitted low bid to Board of Public Works to improve Clayton St. at Market St. Other bids: E. J. Treacy, \$7,067.65; A. G. Raich, \$7,495.

SANTA CRUZ, Santa Cruz Co., Cal.—W. E. Miller, Santa Cruz, at \$3,339 awarded contract by city council to improve portion of Main St., involving cement concrete pavement, walks, curbs. Thompson Bros., Santa Cruz, bid \$3,420.

SANTA CRUZ, Santa Cruz Co., Cal.—Until March 3, 2:45 P. M., bids will be received by S. E. Evans, city clerk, (435-C) to improve Walnut Ave. bet. Chestnut and Pacific Aves., involving cement concrete paving; conc. curbs, walks, driveway approaches, catch-basins, pipe drains, storm water manhole; br. manhole; vit. clay pipe sewer laterals; 20 2-light Marbelite electrolier standards with underground system. 1911 Act. Estimated cost \$18,000. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Roy Fowler, city engineer.

WILLOW GLEN, Santa Clara Co., Cal.—Sam Sciarrino, 498 Park St., San Jose, awarded contract by town trustees to improve portions of Cherry Ave., involving 3 1/2-in. cem. concrete sidewalks, \$18 sq. ft.; 6-in. cem. conc. driveways, \$22 sq. ft.; cem. concrete curbs, \$55 lin. ft.

BERKELEY, Alameda Co., Cal.—Until February 25, 10 A. M., bids will be received by Florence E. Turner, city clerk, to pave parking area on Shaftuck Ave. just north of Vine St. Certified check 10% payable to city required with bid. Plans obtainable from office of clerk.

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OAKLAND, Cal.—As previously reported, Granfield, Farrar and Carlin, 67 Hoff Ave., San Francisco, at \$30,712 awarded contract by county supervisors to grade and construct culverts on two miles of the Skyline Blvd. Bids were taken under:

Schedule No. 1, involving 75,000 cu. yds. grading; 850 lin. ft. 12-in. corr. metal pipe and 83,000 sta. yds. overhaul, and under

Schedule No. 2, involving 90,000 cu. yds. grading; 1,200 lin. ft. 12-in. corr. metal pipe; 89,000 sta. yds. overhaul. Complete bid listing follows:

Granfield, Farrar and Carlin, 67 Hoff St., S. F., \$24,751; \$30,712.

P. L. Burr, 230 Market St., S. F., \$27,117; \$32,780.

J. P. Holland, Inc., 1534 McKinnon Ave., S. F., \$27,712; \$32,335.

W. H. Hauser, 3129 E 7th St., Oakland, \$29,233; \$35,950.

Chigris & Sutson, 2211 18th St., S. F., \$29,865; \$35,215.

C. A. Bruce & Sons, Pleasanton, \$27,541; \$38,451.

Marsh Bros. & Gardener, Monadnock Bldg., S. F., \$35,120; \$41,510.

R. L. Oakley, 1861 Waverly St., Palo Alto, \$35,205; \$42,530.

Larson Bros., Gall, \$36,705; \$43,310.

Central Const. Co., Oakland Bank Bldg., \$26,705; \$44,330.

R. G. Le Tourneau, 122 Moss Ave., Stockton, \$37,130; \$44,930.

Kennedy & Bayles, 1140 Chatham road, Oakland, \$35,120; \$45,210.

Walsh & Murdock, 1924 Broadway, Oakland, \$35,685; \$45,356.

Chas. Harlowe, 370 Belmont Street, Oakland, \$38,710; \$44,860.

Tieslau Bros., 1315 Allston Way, Berkeley, \$40,435; \$48,460.

Frederickson & Watson, 354 Hobart St., Oakland, \$40,747; \$48,160.

Lilly, Willard & Biasotti, 40 W Clay St., Stockton, \$47,196; \$56,745.

CALAVERAS CO., Calif.—Following bids received Feb. 19 by State Highway Commission to surface with untreated crushed gravel or stone, 15.5 miles between Murphy's and Big Trees:

Beerman & White, Stockton.....\$67,956

Chas J Harlowe, Jr., Oakland.....67,964

Henstreet & Bell, Marysville.....69,640

Larsen Bros., Galt.....69,640

W. H. Hauser, Oakland.....72,080

J. Bevanda & Son, Stockton.....76,616

MENDOCINO COUNTY, Cal.—Until February 27, 2 P. M., bids will be received by F. W. Hazelwood, District Engineer, District No. 1, Eureka, to construct rubble masonry retaining walls on approximately 2.5 miles north of Bridges Creek.

See call for bids under official proposal section in this issue.

SAN JOSE, Santa Clara Co., Cal.—Until March 17, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Lawrence Station from the Kifer road to the Mountain View and Alviso roads in Supervisor District No. 4. Plans obtainable from County Surveyor Robert Chandler.

SAN DIEGO, Cal.—City plans improvement of La Jolla-Mesa Drive, otherwise known at Allison St. extension. The estimated cost is \$190,000. Plans call for 2-in. asphaltic concrete pavement on 4-in. asph. conc. base. Streets to be paved include La Jolla Mesa Dr., Descano Road, Cromwell Dr., Zamora Rd. and Torano Rd.

MARTINEZ, Contra Costa Co., Cal.—County supervisors, due to protests, cancel proceedings for improvements in Street Improvement District No. 3, just outside the Richmond city limits, involving the widening of Lowell Ave. and 36th St. and widening and extension of Humphrey Ave.; estimated cost, \$26,461. Bids for this work were

to have been opened by the supervisors on February 17.

SACRAMENTO, Cal.—City declares intention (2298) to improve alley bet. W and X, 32nd and 33rd Sts., involving c. 1. drains; vit. sewers; 1-in. water main connections, grading; hyd. concrete pavement. 1911 Act. Hearing March 6. H. G. Denton, city clerk. B. C. Clark, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Prentiss Paving Co., 5th and Keyes Sts., San Jose, at \$4,914.23 awarded contract by city council to improve Third St. bet. Keyes and Humboldt Sts., involving grade; 1½-in. asphalt concrete surface pave. on 3-in. asph. conc. base; cem. conc. curbs, gutters, walks; vit. pipe house sewers; concrete driveways.

SAN JOSE, Santa Clara Co., Cal.—Prentiss Paving Co., 5th and Keyes Sts., San Jose, at \$3,342.38 awarded contract by city council to improve portions of north one-half of William St. bet. Coyote River bridge and 24th St., involving grade; 3-in. asph. conc. base; 1½-in. asph. conc. surface pave.; 1-in. vit. pipe house sewer laterals; cem. conc. walks; cem. curb and gutter; hyd. cem. conc. culvert.

FRESNO, Fresno Co., Cal.—Crews working under the direction of County Surveyor Chris P. Jensen has started paving a 10 mile section of the road between Firebaugh and Mendota will be asphaltic composition, laid cold. With the completion of this unit, construction will be started on a 10-mile unit in Mt. Whitney Ave., near Riverdale.

SANTA CRUZ, Santa Cruz Co., Cal.—City council declares intention (456) to improve portions of Atlantic Ave., Fourth Ave. and East Cliff Drive, involving cem. conc. pave., curbs, side-walks; conc. driveway approaches; vit. clay pipe sewer laterals; wrought-iron pipe water services; concrete meter boxes. 1911 Act. Hearing March 3. S. E. Evans, city clerk. Roy Fowler, city engineer.

OAKLAND, Cal.—Until February 17, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., for oil macadam pavement, water-bound macadam pavement and asphaltic concrete pavement at the rear of 14th St. wharf, Outer Harbor Terminal. Cert. check 10% required with bid. Plans obtainable from secretary on deposit of \$5, returnable.

HERMOSA BEACH, Los Angeles Co., Cal.—Until 2 P. M., Feb. 25, new bids will be received by the city to improve Camino Real and other sts. on the Sepulveda Blvd. Route through Hermosa Beach, about 3000 lin. ft., involving in the main: 21,330 cu. yds. excav.; 95,900 sq. ft. 3-in. Permatite resurf.; (29,900 sq. ft. and 66,000 sq. ft. surf.); 75,840 sq. ft. 7-in. asph. conc. pave.; 29,900 sq. ft. 4-in Permatite base. G. H. Oswald, successful bidder Jan. 21 at \$40,195.55, refused to sign the contract awarded to him.

NAPA, Napa Co., Cal.—Directors of the Sonoma-Napa County Joint Highway District, et al, have requested the State Highway Commission for financial assistance in the completion of the Alexander Valley-Napa Highway through Knights Valley. Completion of the project is estimated at \$200,000 and involves about 16 miles of paving. The road is known as the "Geyser Highway."

LOS ANGELES COUNTY, Cal.—Following three low bids received Feb. 13 by State Highway Commission to grade 7.1 miles between Castaic School and Canton Creek:

H. Deering & Von der Hellen & Pierson, Berkeley.....\$537,629

H. W. Rohl, Los Angeles.....540,284

R. G. Le Tourneau, Stockton.....577,723

SAN BRUNO, San Mateo Co., Cal.—State Highway Commission has advised city trustees it will contribute \$25,000 as part of the cost to widen El Camino Real within the San Bruno city limits. The cost of the widening, from Sneath Lane on the north to Santa Lucia Ave. on the south, is estimated at \$80,000.

OAKLAND, Calif.—City council has rescinded proceedings to improve Hillmont Drive from 73rd Ave. to Tully Place; 99th Ave. from Foothill Blvd. to Sunnyside St.; 73rd Ave. from Sim. Son. to Diana Ave., and Proctor Ave. from Masonic to Florence Ave. New proceedings will be started specifying for a type of pavement other than "patented," heretofore specified.

SAN JOSE, Santa Clara Co., Cal.—City declares intention (5013) to improve 10th St. bet. Empire and Taylor Sts., involving grading; 1½-in. asph. conc. surface on 3-in. asph. conc. base pavement; conc. curbs, gutters and walks; 4-in. vit. pipe house sewers. 1911 Act. Hearing March 3. John J. Lynch, city clerk. Wm. Popp, city engineer.

MILL VALLEY, Marin Co., Calif.—Town trustees have rescinded their action in ordering paving of streets in the Middle Ridge District with hydraulic concrete and specifications will be prepared for asphaltic concrete pavement. Approximately 3 miles of pavement will be placed. F. H. Lacey town engineer.

KING CITY, Monterey Co., Calif.—City Engineer Howard Cozens, Court-house, Salinas, is completing plans and proceedings will be started at once by city council to pave 25 blocks of streets with 5-in. concrete; concrete curbs, culverts and catchbasins. Streets to be improved include Pearl St., 1st to San Lorenzo; Ellis St., 1st to San Lorenzo; Vanderhurst, from Lynn four blocks north to city limits; the following streets bet. Ellis and Lynn and bet. Bassett and Pearl: First, Second, Third, Russ, San Lorenzo.

SAN JOAQUIN CO., Calif.—As previously reported, bids will be received by State Highway Commission March 12, to grade and pave with cem. conc. 6.9-miles bet. Cherokee Station and Harney Lane. Project involves: remove 436 trees; 47,800 cu. yds. rdwy. excav. without class.; 33,400 cu. yds. imp. borrow; 34,500 cu. yds. imp. selected material; 44,200 sta. yds. overhaul; 3060 cu. yds. struc. excav.; 3200 cu. yds. salvaged macadam (subbase and borders); 2000 cu. tons untreated crushed gravel or stone surfacing; 100 M gals. water applied to surf.; 19,840 sq. yds. subgrade for pave.; 1610 cu. yds. cushion course; 61 cu. yds. class A cem. conc. (struc.); 15,000 cu. yds. class A cem. conc. (pave.); 383,000 lbs. bar reinf. steel (pave. and struc.); 222 lin. ft. 12-in., 214 lin. ft. 18-in., 1003 lin. ft. 24-in. and 20 lin. ft. 30-in. corr. metal pipe; 1339 lin. ft. corrugated metal pipe (clean and relay); 240 lin. ft. solid timber guard rail; 4.6 mi. new property fences; 9.2 mi. moving and reset property fences; move and reset 21 conc. headwalls; 2180 bbls. fuel oil (shoulders); 362 sta. finish rdwy.; 7 monuments. The state will fur. corr. metal pipe, drainage gates and cast steel frames and covers, for drop inlets.

TUCSON, Arizona.—J. R. Hubbard, Pima county engineer, has recommended that about 25 miles of county highways be oiled at a cost of \$125,000.

LOS BANOS, Merced Co., Cal.—City Engineer W. E. Bedesen, Shaffer Bldg., Merced, instructed by city trustees to prepare specifications to improve 16 blocks of streets of various widths, as follows: 4th St. from Eye to J, 56-ft. wide; 4th St. from J to state highway, 46-ft. wide.

5th St. from J to L, 46-ft. wide. J St. from 6th to 3rd, 46-ft. wide. K St. from 6th to 3rd, 46-ft. wide. L St. from 5th to Canal reservation, 46-ft. wide.

M St. from 6th to 4th, 36-ft. wide. 5th St. from L to M, 27-ft. wide. Pavement will consist of a 2½-in. gravel base for subgrade, 3½-in. of asphalt. conc. in first course and 1½-in. in second course; seal coat of liquid asphalt with crushed screenings surface; conc. curbs and gutters.

SAN JOSE, Santa Clara Co., Cal.—Until March 3, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve roads as follows:

Ferguson Road, involving: 198,500 sq. ft. oil macadam pavement;

Singleton Road, involving: 46,000 sq. ft. oil macadam pavement;

Dempsey Road, involving: 140,150 sq. ft. oil macadam pavement;

Plans on file in office of clerk. Robt. Chandler, county surveyor.

FRESNO, Fresno Co., Cal.—County supervisors are planning an extensive road oil campaign for Summer traffic, particularly in the mountain districts. Chris P. Jensen is county surveyor.

PALO ALTO, Santa Clara Co., Cal.—Property owners have agreed to provide lands necessary for the widening of California Ave., bet. Alma St. and El Camino Real in return for financial assistance by the city paying for the cost of street paving in connection with the improvement. The plan is to widen California Ave. 30 ft., making a thoroughfare 66 ft. wide. J. F. Byxbee Jr., City engineer.

BERKELEY, Alameda Co., Cal.—Until March 4, 10 A. M., bids will be received by Florence E. Turner, city clerk, (647) to improve portions of Boynton Ave. from a point 193 ft. east of Arlington Ave., east and southeast to 1021 ft., involving grade; oil macadam pavement; curbs, gutters, walks; vitrified pipe connections and highway guard fence. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Harry Goodridge, city engineer.

UKIAH, Mendocino Co., Cal.—County Surveyor Ed Smith making surveys for two proposed routes from Dos Rios to Redwood Highway, one up Burger Creek to Laytonville and the other along Outlet Creek from Dos Rios to Longvale on the West side of the railroad.

SAN JOSE, Santa Clara Co., Cal.—City declares intention (5017) to improve 20 St. bet. Julian and Washington Sts. involving grade; 1½-in. asphalt. conc. surf.; 3-in. asphalt. conc. base pavement; conc. curbs, gutters and walks; 4-in. vit. pipe lateral sewers. 1911 Act. Hearing March 10. J. J. Lynch, city clerk. Wm. Popp, city engineer.

OROVILLE, Butte Co., Calif.—C. W. Wood, Stockton, at \$41,602.50, awarded contract by City Council to improve streets in Aca. and Imp. Dist. No. 3, including Washington

Ave., bet. Yard St. and Oro Ave., etc., involving 13,300 cu. yds. grading-excitation, 3,000 cu. yds. grading-sewer excavation, 132,000 sq. ft. 4-in. oiled macadam pave, 36,550 sq. ft. hyd. conc. sidewalks, 7,260 lin. ft. hyd. conc. curb, 7,000 lin. ft. hyd. conc. gutter, 3,850 lin. ft. 6-in. conc. sewer pipe, 20 lin. ft. 12-in. do, 795 lin. ft. 16-in. do, 15 sewer manholes, 2 sewer lampholes, 13 c. i. sewer drains, 700 lin. ft. 8-in. corrugated iron culvert pipe.

SANTA ROSA, Sonoma Co., Cal.—Until March 11, bids will be received by county supervisors to pave with concrete 1.3 miles of Healdsburg-Forestville Highway. Plans obtainable from County Surveyor E. A. Peugh.

MILL VALLEY, Marin Co., Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at \$621.40 awarded contract by town trustees to pave with hydraulic concrete approx. 14,000 sq. ft. of Circle Ave. and Erato St. McDonald & Maggiora, Sausalito, \$6291.60, only other bidders.

SAN RAFAEL, Marin Co., Cal.—Until February 24, 11 A. M., bids will be received by Robt. E. Graham, County Clerk, (4) to improve streets in Cascades Improvement District No. 1, including portions of Cascade Drive, Redwood Ave., Laurel Drive, Hickory Ave., etc., involving grading; pave with Dur-Emulse asphalt; corrugated iron pipe culverts; hyd. cem. conc. drain inlets, catchbasins, etc. Est. cost \$30,000. Work under County Imp. Act 1921. Certified check 10% payable to County of Marin required with bid. Plans on file in office of County Clerk. J. B. Piatt, engineer.

FOR SALE

SLATE, tile roofing and general repairs. Established since 1926. A going business. Reply to 4201 MISSION St. Telephone Randolph 5932.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street, phone KEarny 1252:

D-3392—Equity in Business Desired. San Francisco, Cal. Local citizen has three-story building, good condition, with total of 45,000 sq. ft. which he desires to contribute as his equity in a business, preferably manufacturing, which would occupy the building, and with which the owner could be actively associated.

D-3393—Distributor. Chicago, Ill. Firm interested in securing connections in San Francisco to represent them as a sales agent selling their products to firms in this territory.

D-3394—Brass Goods. San Francisco, Cal. Party interested in disposing of machine shop equipped for turning out brass goods.

D-3395—Agent. Aurora, Ill. Firm desires firm or individual in this city, who can act as agent to sell a high temperature heat insulating cement and a high temperature insulating fiber block.

18035—Foreign Service Bureau. New York, N. Y. Organization offers services to those who are at a loss as to how to meet some problem requiring action abroad. They handle foreign trade extension, foreign advertising, documentation, protection of patents, purchase or sale abroad of merchandise, etc.

18038—Representation. Marseille, France. Party wants to represent on a commission basis local exporters and manufacturers wishing to extend their trade in France and North Africa.

18040—Buying and Selling Agency. Singapore, Straits Settlement. Company desires to act as buying and selling agent for firms dealing with the Straits Settlement. Proposed contract on file, also detail circular letter.

18044—California Tanning Oak. Dyerville, Calif. Party is desirous of getting in touch with firms handling "Cal. tan oak" for the Oriental trade.

Is opening up a new territory and will start shipments about July 15.

18047—Hotel Supplies and Auto Parts. Los Angeles, Calif. Company is interested in handling a line of hotel supplies and replacement auto parts for the west coast of Mexico and Central America.

18049—Representation. Cristobal, C. Z. Firm covering all classes of trade in Colon and Panama City and the Canal Zone is in a position to represent any class of merchandise.

18050—Fish Canning Machinery. San Francisco, Calif. Party is inquiring regarding equipment for the installation of a fish packing house.

18051—Representation in Brazil. San Francisco, Calif. Native of Brazil who is planning to return there desires to take with him a line of manufactured goods that does not require technical knowledge on the part of the salesman. He is particularly anxious to handle paints, prefers to work in the territory covering Sao Paulo and Rio de Janeiro. Speaks several languages and can give local references.

ARCHITECT URGES BETTER RELATIONS WITH CONTRACTOR

(Continued from page 3)

man to a realization that beauty enhances the value of every commodity with which the public comes in contact; and that the public is more and more demanding beauty with our utility, beauty with our amusement, and beauty in the things with which we live.

Architect as a Leader

It is significant that an American architect, Albert Kahn, Inc., of Detroit, has recently been commissioned by the Soviet government of Russia to become consulting architects in a five-year industrialization program, calling for an expenditure of \$1,900,000,000; thereby recognizing that the architectural profession in America includes men with executive ability, capable of directing such a huge construction program. Mr. Kahn will be called upon to select and direct an organization including 4500 architectural and engineering designers.

It is our job to improve the construction industry further on the human, social and economic side thru constructive criticism and co-operative effort. The American Institute of Architects, which I have the honor to represent, desires to collaborate with all elements of our great industry to the end that no differences of aim or method on the part of our construction enterprises shall be allowed to obstruct our progress toward a civilization in which material values and spiritual values shall receive the recognition which is their due.

ELECTRICAL LEAGUE ELECTS

Ernest Ingold has been elected president of the San Francisco Electrical Development League. Other officers are W. A. Seer, secretary-treasurer, and George C. Tenney, Chas. L. Huyck and William R. Marshall, directors.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

183	Chappari	M. & M.	3500
184	Enterprise	Wendeler	1300
185	Grannucci	Diestel	1000
186	Hughes	Balliet	8000
187	Johnson	Owner	3500
188	Milonas	Binet	8500
189	Stratton	Owner	4250
190	Davis	Owner	1000
191	Delucchi	Owner	1000
192	Flagge	Owner	4500
193	Newman	Indus	5000
194	Ocean	Owner	50000
195	Risdon	Owner	6000
196	Harms	Owner	3500
197	Meyer	Owner	4000
198	Neuman	Armbust	4000
199	Skaft	Murray	1350
200	Ballensby	Owner	4000
201	Benson	Standard	1000
202	Del Carlo	Vannucci	3000
203	Della Valla	Anderson	1000
204	Dowling	Berger	6000
206	Gordon	Owner	4000
206	McIntyre	Young	6000
208	Castleman	Lindgren	1000
209	Gall	Owner	4000
210	Janssen	Owner	8000
211	Johnsen	Owner	8000
212	Staflara	Psychogier	1000
213	Antony	Delucchi	1400
214	Lane	Brueck	1400
215	Newson	Erickson	12000
216	Bjorkman	Owner	3500
217	McCabe	McCabe	5000

DWELLING

(183) N FOOTE AVE. 25 SE Ellington; 1-story and basement frame dwelling.

Owner—A. Chappari, 48 Foote Ave.

Architect—None.

Contractor—M. & M. Bldgs., 771 Hanover St. \$3500

COOLING TOWER

(184) NW COR. FOLSOM & Enterprise; cooling tower.

Owner—Enterprise Brewery Co., 1 Enterprise St.

Architect—None.

Contractor—Geo. Wendeler & Co., 8th and Hooper Sts. \$1300

REPAIRS

(185) 557 BELVEDERE; repair fire damage to apts.

Owner—A. Grannucci, 333 Kearny St.

Architect—None.

Contractor—J. Diestel, 333 Kearny St. \$1000

DWELLINGS

(186) W 21st AVE. 160 N Ortega; two 1-story and basement frame dwellings.

Owner—T. Hughes, 505 O'Farrell St.

Architect—None.

Contractor—F. Balliet, 808 47th Ave. each \$4,000

DWELLING

(187) E 16th AVE. 432 S Taraval St.; one-story and basement frame dwelling.

Owner—A. C. Johnson, 1835 8th Ave.

Architect—None. \$3500

FLATS & STORES

(188) NE COR. 18th & HOWARD; three-story frame (2) flats and (2) stores.

Owner—J. K. Milonas, 64 Bartlett St.

Architect—None.

Contractor—J. J. Binet, 2454 33rd Ave. \$3500

DWELLING

(189) W 21st AVE. 50 N Lawton St.; one-story and basement frame dwelling.

Owner—W. J. Stratton, 1533 11th Ave.

Plans by Owner. \$4250

SHOP

(190) 293 DORLAND; one-story steel frame sandwich shop.

Owner—T. J. Davis, 3475 16th St.

Architect—None. \$1000

ALTERATIONS

(191) 1526 POWELL ST.; alterations to mezzanine floor.

Owner—J. J. Delucchi, 1526 Powell St.

Architect—None. \$1000

DWELLING

(192) E 30th AVE. 125 N Kirkham; one-story and basement frame dwelling.

Owner—A. A. Flagge, 135 Steiner St.

Architect—None. \$4500

ALTERATIONS

(193) 26-28 BLUXOME ST.; alterations to construct offices.

Owner—S. Newman.

Architect—None.

Contractor—Industrial Const. Co., 815 Bryant St. \$5000

APARTMENTS

(194) NE 11th AVE. and KIRKHAM; three-story and basement frame (30) apts.

Owner & Builders—Ocean Const. Co., care Mortgage Agency Co., Russ Bldg.

Architect—None. \$50,000

DWELLING

(195) E LYON 50 S Chestnut; two-story and basement frame dwelling.

Owner—Risdon Bros., 2170 Beach St.

Plans by Owner. \$6000

BUILDING

(196) N HARRISON 175 W Ritch; one-story concrete light industrial building.

Owner—R. H. Harms, 1217 Stanyan.

Architect—None. \$8500

DWELLING

(197) N JUANITA 100 W Evelyn; 2-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr.

Plans by Owners. \$4000

DWELLING

(198) SE EDGEHILL 80 W 2nd Ave.; angle on Edgehill; one-story and basement frame dwelling.

Owner—J. B. Neuman, 2630 23rd St.

Architect—A. E. Hanson.

Contractor—H. W. Armbust, 2472 28th Avenue. \$4000

ALTERATIONS

(199) 1500 POLK ST.; alterations to confectionery and light lunch.

Owner—George Skaft, 2750 Polk St.

Designer and Builder—A. B. Murray, 523 4th St. \$1850

DWELLINGS

(200) N RUSSIA 75 W Munich; two 1-story and basement frame dwellings.

Owner—G. M. Ballensby, 478 Munich.

Architect—None. \$4000

ALTERATIONS

(201) 55 STOCKTON ST.; alterations to store.

Owner—L. Benson, Paden Palton Bldg. Los Angeles.

Plans by Contractor.

Contractor—Standard Cabinet Works, 1800 E Washington St., Los Angeles. \$1000

ALTERATIONS

(202) SW COR. 23rd ST. and Alabama; alterations to store.

Owner—L. Del Carlo, 982 Shotwell St.

Architect—None.

Contractor—Vannucci Bros., 1875 San Bruno Ave. \$3000

ALTERATIONS

(203) E MISSION ST. 145 S 22nd St.; alterations to restaurant.

Owner—Della Valle, Santa Cruz.

Architect—None.

Contractor—C. Anderson, 369 Pine St. \$1000

DWELLING

(204) N FELL 75 E Shrader; two-story and basement frame dwelling.

Owner—W. J. Dowling, 309 Valencia Street.

Plans by Contractor.

Contractor—G. A. Berger, 309 Valencia St. \$6000

DWELLING

(205) N SANTA ROSA 77 W Alemany; one-story and basement dwelling.

Owner—H. Gordon, 312 Hanover St.

Architect—None. \$4000

DWELLING

(206) E 15th ST. 137 N Taraval; one-story and basement frame dwelling.

Owner—A. McIntyre, care 3002 California St.

Architect—E. E. Young, 2002 California St. \$6000

LUNCH ROOM

(208) W SAN BRUNO AVE 300 N Costa. One-story frame lunch room.

Owner—E. Castleman.

Architect—None.

Contractor—Lindgren Bros., 64 Ramona St., San Francisco. \$1000

DWELLING

(209) W FORTIETH AVE 293 S Irving. One-story and basement frame dwelling.

Owner—R. F. Gall, 1574 28th Ave., San Francisco.

Architect—None. \$4000

Capital City Title

Company

J. C. PALEN

Manager

914 Seventh Street

Sacramento - California

FLATS

(216) N FRANCISCO 87 W Scott St.
Two-story and basement frame
(2) flats.
Owner—E. A. Janssen, 811 Hearst
Bldg., San Francisco.
Architect—None. \$8000

DWELLING

(211) W MERRILL 37 S Sweeney.
Two one-story & basement frame
dwellings.
Owner—T. Johnson, 136 Westwood
Drive, San Francisco.
Architect—None. each \$4,000

ALTERATIONS

(212) NO. 451 MISSION ST. Alter
restaurant.
Owner—D. C. Stafila, Premises.
Architect—None.
Contractor—N. D. Psychogier. \$1000

ALTERATIONS

(213) 1490 VAN DYKE AVE.; alter-
ations and additions to dwelling.
Owner—F. Antony, 1490 Van Dyke
Avenue.
Architect—None.
Contractor—D. Delucchi & Son, 3007
San Bruno Ave. \$1400

ALTERATIONS

(214) 3321 LANE; alterations to move
dwelling on lot.
Owner—G. W. Lane, 3381 Lane St.
Architect—None.
Contractor—M. Brueck, 600 Charter
Oak Ave. \$1400

RESIDENCE

(215) S MARINA 389 W Fillmore St.;
two-story and basement frame
residence.
Owner—G. W. Newton, 4047 25th St.
Architect—C. M. Baker, 155 Mont-
gomery St.
Contractor—H. Erickson, 972 Chenery.
\$12,000

DWELLING

(216) N FLOOD 275 W Detroit; one-
story and basement frame dwell-
ing.
Owner—V. Bjorkman, 454 Athens St.
Architect—None. \$3500.

DWELLING

(217) S ALHAMBRA 75 W Mallorea;
one-story and basement frame
dwelling.
Owner—E. McCabe, 716 Ulloa St.
Architect—None.
Contractor—J. McCabe, 716 Ulloa St.
\$5000

Owner—Maurice Tosch, 5118 Mission
Street.
Architect—None.
Contractor—Ford Smith.
Filed Feb. 14, '30. Dated Dec. 10, '29.
Roof on 25%
When plastered 25%
Completed 25%
Usual 35 days 25%
TOTAL COST, \$2447
Limit, 120 days.

SIGNS

(43) S ELLIS 163-1 E Powell E 113
S 92-6 SW 61-6% NW 103 N 40-
9%; electric display signs.
Owner—Sommer & Kaufmann, Inc.
Architect—A. F. Roller and K. Weber,
Crocker First National Bank Bldg.
Contractor—Wonderlite Co. of Amer-
ica, Inc., 170 O'Is St.
Filed Feb. 14, '30. Dated Feb. 11, '30.
Completion 75%
Usual 35 days 25%
TOTAL COST, \$3806
Bond, \$1903. Sureties, National Surety
Co. Limit, March 10, 1930. Plans
and spec. filed.

SHOW CASES, ETC.

(44) 16 SACRAMENTO ST.; store
cases, show cases, counters, etc.,
for store.
Owner—Joe Harris & Co., 225 Embar-
cadero.
Engineers—M. C. Couchot, and Jesse
Rosenwald, 60 Sansome St.
Contractor—Mallen Manufacturing Co.
64 Rausch St.
Filed Feb. 17, '30. Dated Feb. 14, '30.
On completion\$2460
TOTAL COST, \$2460
Bond, \$1230. Sureties, Union Indem-
nity Co. Limit, 30 days. Plans and
Spec. filed.

WRECKING, ETC.

(207) W CHURCH ST. extending
from Nineteenth to Cumberland.
Wrecking and removing improve-
ments building known as Youths
Directory.
Owner—Roman Catholic Archbishop
of San Francisco, 1100 Franklin
St., San Francisco.
Architect—None.
Contractor—Dan J. Dolan, 1650 Mis-
sion St., San Francisco.
Filed Feb. 18, '30. Dated Feb. 7, '30.
TOTAL COST, \$375
Bond, \$375. Surety, United States
Fidelity & Guaranty Co. Limit, April
5, 1930. Forfeit, plans and specifica-
tions, none.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Feb. 11, 1930—E SHOTWELL bet
19th and 20th Sts No 563 Shotwell.
A C Terry to whom it may concern.
Feb. 11, 1930—S FRANCISCO 93-9
W Broderick 25x75, Emma McCabe
to whom it may concern. Dec. 2, '29
Feb. 11, 1930—1595 VAN NESS AVE.
J and A Abrams, A and M Har-
ris and Wells Fargo Bank and
Union Trust Co to L J Cohn.
Feb. 11, 1930—S VICENTE 77 E 15th
Ave. Chas Andersen to whom it
may concern. February 11, 1930
Feb. 14, 1930—NW BURROWS 55
NE Hamilton. Frederick Kolsberg
to T Kolsberg. February 14, 1930
Feb. 14, 1930—N FRANCISCO 168-9
W Divisadero W 50 x N 137-6.
John Moore to whom it may con-
cern. February 14, 1930
Feb. 14, 1930—PEPTY BOUNDED BY
18th, Folsom, 19th and Shotwell.
Pacific Gas & Electric Co to J
O'Shea, Inc. Feb. 4, 1930
Feb. 14, 1930—N WASHINGTON
117-9 E Cherry E 29-6 N 127-84.
Sanford H Rogers to whom it
may concern. Feb. 12, 1930

Feb. 14, 1930—W ALABAMA 54 S
Army 26x75. Henry W Miller to
Schmidt Bros. Feb. 8, 1930
Feb. 14, 1930—LOT 9 BLK 4 Amend-
ed Map, Ingleside Terraces. Mar-
guerite Lord to whom it may
concern. Feb. 10, 1930
Feb. 14, 1930—NO. 2530 PACIFIC
Ave. James H Schwabacher to
Henry Jacks and W K Irvine (as
Jacks & Irvine). Feb. 11, 1930
Feb. 14, 1930—E KANSAS 150 and
175 N 18th N 25x100. A J Judnich
Jr, A Judnich and J Kambic to
whom it may concern. Feb. 10, 1930
Feb. 13, 1930—LOT 20 BLK 2501A
Map Pinelake Park Sub No 1.
Adah B Kaufman to Parkside
Realty. February 6, 1930
Feb. 13, 1930—SW JERSEY & DO-
LORES S 26-6 W 94 N 22-6 E 94-
6. John J and Katherine S Leon-
ard to whom it may concern.
February 5, 1930
Feb. 13, 1930—W 20th 375 S, Q or R.
Noah Swanson to whom it may
concern. February 11, 1930
Feb. 15, 1930—E LEXINGTON ST.
185 S 18th, No. 135 Lexington St.
R Kovas and A Osborne to Gilbert
L Plov. Feb. 14, 1930
Feb. 15, 1930—NO. 87-89 NIAGARA.
M Stulsat Investment Co to
whom it may concern. Feb. 10, 1930
Feb. 15, 1930—N NORTH POINT
171-104 W Divisadero. Robinson
& Johnston to whom it may con-
cern. Feb. 14, 1930
Feb. 15, 1930—E FRANKLIN 62-6 N
Lombard N 25x-E 87-6. Carlo
Fossa to S Montani. Feb. 14, 1930
Feb. 15, 1930—W CLIPPER 80 W
Diamond N 25xW 114. Mary Han-
niver to Thomas Cuddle. Jan. 8, 1930
Feb. 17, 1930—SW PACIFIC AVE &
Broderick known as Hotel El
Drisco 2901 Pacific Ave. W C My-
sell to whom it may concern.
February 15, 1930
Feb. 17, 1930—E 27th Ave 125 N
Fulton 25 140. Charles A Stev-
ens to whom it may concern.
February 15, 1930
Feb. 17, 1930—E 26th AVE 125 S
Ulloa S 25 x E 120. Nils E John-
son to whom it may concern.
February 13, 1930

LIENS FILED

SAN FRANCISCO COUNTY

Feb. 13, 1930—SE IRVING AND 26th
Ave S 100 x E 57-6. Gladding,
McBean & Co vs Manford or J M
Johnson\$251.26
Feb. 13, 1930—SE IRVING AND 26th
Ave S 100 x E 57-6. Carjolie
Wall Paper Co, Inc vs M John-
son, J Johnson and E Johnson, J
Doe and R Roe.\$463.71
Feb. 13, 1930—S ELIZABETH 155 E
Hoffman E 25 x S 114. San Fran-
cisco Terrazas Assn vs A M Wun-
der, M E McGswell.\$178
Feb. 13, 1930—57-6 E from INTER S
Irving and E 20th Ave S 100 x W
57-6 to E 26th Ave. The Berger
Mfg Co of Calif vs J M Johnson.
.....\$1873.44
Feb. 11, 1930—SE IRVING ST and
20th Ave E 57-6 x S 100. Patent
Scaffolding Co of California vs
Manfred Johnson, J M Johnson,
Elke and J M Johnson.\$153.67
Feb. 11, 1930—SE IRVING ST and
26th Ave E 57-6 x S 100. Vermont
Marble Co, \$715; Central Hard-
ware & Glass Co, \$2070.79, vs Man-
fred Johnson, alias J M Johnson.
Feb. 14, 1930—W DIAMOND 58 N
Twenty-sixth N 81 W 80, San
Francisco Hardware Co vs Mara-
ret Johnson and J H Payne.\$36.18
Feb. 14, 1930—SE TWENTY-SIXTH
Ave and Irving E 57-6xS 100, L
A Hufschmidt Mfg Co vs Mans-
fred or J M Johnson.\$315.80
Feb. 14, 1930—W DIAMOND 58 N

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

41 Milonas	Binet	8575
42 Tosch	Smith	2447
43 Sommer	Wonderlite	3806
44 Harris	Mullen	2460
207 R C Archbishop	Dolan	375

LABOR, ETC.
(41) NE COR. 18th & HOWARD Sts.;
labor, plumbing, painting, concrete
and cement work, plastering, mill-
work, etc. on flats and stores.
Owner—J. K. Milonas, 64 Bartlett St.
Architect—None.
Contractor—J. J. Binet, 2454 33rd Ave.
Filed Feb. 13, '30. Dated Feb. 12, '30.
2nd story joist set\$2125
Brown coated 2125
Completed 2125
Usual 35 days 2200
TOTAL COST, \$8575
Plans and Spec. filed. Permit applied
for.

BUNGALOWS

(42) E BAYWOOD COURT 160 N
Geneva Ave. N 80 x E 50; general
construction on three 4-room and
breakfast room bungalows.

Twenty-sixth N 31xW 80. George Bryant vs Frank and Margaret Johnson\$73.65

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
Feb. 13, 1930—NW ARLINGTON 50-3
NE Mateo NE 25-2½ x NW 100
ptn Lots 20 and 21 Hanaries Sub
Blk 9, Fairmont Tract. Pietro
Carrarra, Angelo and Ubaldo Ben-
edetti as D Seghieri & Co, Inc to
Lillie E Bemis.....
Feb. 11, 1930—N GREEN 381-5 W
Laguna W 25 x N 100 W 147-6 N
25 E 84½ S 25 W 437-6 S 100.
Jones Bros Asbestos Supply Co,
Inc to P B Jameson.....

BUILDING CONTRACTS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
145	Pacific	Lindgren	50000
146	Athens	Sheridan	1200
147	Hill	Littlefield	525000
148	Wemir	Owner	1000
149	Brazier	Owner	5000
150	Chambers	Peters	2350
151	Dixon	Owner	6000
152	Hinch	Abdon	3000
153	Whalen	Williamson	5200
154	Armanino	Owner	3500
155	Corrigan	Owner	3500
156	Holst	Owner	55000
157	Spear	Owner	5000
158	Dowling	Owner	1000
159	Gray	Wells	3500
160	Hoover	Relte	7300
161	Lombardi	Owner	8250
162	Baker	Owner	4000
163	Griffiths	Jacobs	5500
164	Jacoba	Owner	8000
165	McPherson	Owner	7000
166	Roth	Owner	6000
167	Edmonds	Hooper	6750
168	Hooper	Owner	4050
169	Lantry	Beadell	3000
170	Replogle	Owner	2700
171	Calloway	Burks	2000
172	Calloway	Owner	4750
173	Devoti	Connor	32237
174	Johnson	Owner	8900
175	Pendleton	Windsor	9500
176	U. of C.	Herman	5100
177	Fowler	Windsor	2500
178	Herman	Connor	32287
179	Kemp	Owner	2500
180	U. of C.	Connor	32287
181	Knolly	Lindholm	1000
182	Seals	Walker	1000

WAREHOUSE

(145) 1604 FOURTH ST., Berkeley;
two-story class A warehouse.
Owner—Pacific Paint & Varnish Co.,
4th and Cedar Sts., Berkeley.
Architect—Nimmons, Carr & Wright.
Contractor—Lindgren and Swinerton,
Inc., 825 Standard Oil Bldg., S. F.
\$50,000

(146) 1205 CLAY ST., Oakland; al-
terations.
Owner—Athens Club, 13th and Clay
Sts., Oakland.
Architect—None.
Contractor—R. E. Sheridan, 288 12th
St., Oakland. \$1200

APARTMENTS

(147) W JACKSON ST. 160 N 14th
St., Oakland; ten - story concrete
apartment house.
Owner—H. G. Hill.
Architect—Miller & Warnecke, Finan-
cial Center Bldg., Oakland.
Contractor—R. W. Littlefield, 337 17th
St., Oakland. \$525,000

ALTERATIONS

(148) 4991 CORONADO AVE., Oak-
land; alterations.
Owner and Builder—Mrs. A. Wemir,
5491 Claremont Ave., Oakland.
Architect—None. \$1000

RESIDENCE
(149) NO. 2325 CORONA COURT.
Berkeley. Two-story six-room 1-
family frame residence.
Owner—J. W. Brazier, 1227 Spruce
St., Berkeley.
Architect—None. \$5000

RESIDENCE
(150) NO. 1228 TALBOT ST., Ber-
keley. One-story 4-room 1-family
frame residence.
Owner—J. F. Chambers, 727 14th St.,
Oakland.
Architect—None.
Contractor—L. A. Peters, 916 Erie St.,
Oakland. \$2350

RESIDENCE
(151) NO. 47 NORTHAMPTON RD.,
Berkeley. Two-story 6-room 1-
family frame residence.
Owner—Constance G. Dixon, 59 North-
ampton Road, Berkeley.
Architect—H. W. Dixon, 59 North-
ampton Road, Berkeley. \$6000

RESIDENCE
(152) NO. 2302 CALIFORNIA ST.,
Berkeley. One-story 5-room 1-
family frame residence.
Owner—C. M. Hinch, 2302 California
St., Berkeley.
Architect—None.
Contractor—O. F. Abdon, 754 50th
St., Oakland. \$3000

RESIDENCE
(153) NO. 2814 WEBSTER ST. Ber-
keley. Two-story 5-room 1-family
frame residence.
Owner—J. F. Whalen, 324 Warrick St.,
Oakland.
Architect—None.
Contractor—E. M. Williamson, 3824
Allendale Ave., Oakland. \$5200

ALTERATIONS
(154) 601-11 14th ST., Oakland; alter-
ations.
Owner and Builder—F. Armanino, 84
Ross Circle, Oakland.
Architect—None. \$3500

DWELLING
(155) 2728 38th AVE., Oakland; one-
story 5-room dwelling.
Owner and Builder—Frank E. Corri-
gan, 3721 38th Ave., Oakland.
Architect—A. L. Bailey, 4232 Hopkins
St., Oakland. \$3500

WAREHOUSE

(156) W FORTY-SIXTH AVE 400 N
Clement St., Oakland. One-story
warehouse.
Owner—P. M. Holst, 4731 Clement St.,
Oakland.
Architect—None. \$3730

DEPOT

(157) NO. 306 TWENTY-FOURTH
ST., Oakland. One-story concrete
depot.
Owner—Tillie R. Spear, 1720 Spruce
St., Berkeley.
Architect—R. G. DeLappe, 1710
Franklin St., Oakland. \$55,000

DWELLING

(158) NO. 2800 CLAY ST., Alameda.
One-story 6-room frame and stucco
dwelling.
Owner—S. J. Dowling, 2801 Clay St.,
Alameda.
Architect—None. \$5000

FOUNDATION

(159) NO. 416 HAIGHT AVE., Ala-
ameda. Concrete foundation for
building to be moved.
Owner—S. J. Gray, 403 Central Ave.,
Alameda.
Architect—None. \$1000

DWELLING

(160) NO. 3357 FERNSIDE Blvd.
Alameda. One-story five-room

frame and stucco dwelling.
Owner—Herschel J Hoover, 3315 Fern-
side Blvd., Alameda.
Architect and Contractor—W. B.
Wells, 2200 Roosevelt Ave., Ber-
keley. \$3500

DWELLING

(161) NO. 1301 NINTH ST., Ala-
ameda. Two-story 7-room frame
and stucco dwelling and store.
Owner—Pasquale Lombardi, 850 - A
Greenwich St., San Francisco.
Architect—None.
Contractor—Oscar C. Reite, 1368 El
Centro Ave., Oakland. \$7300

DWELLING

(162) 5739 ROSS ST., Oakland; two-
story 7-room dwelling and 1-story
garage.
Owner and Builder—W. J. Baker, 2255
Ransome Ave., Oakland.
Architect—None. \$2550

DWELLING

(163) 10701 BREED AVE., Oakland;
one-story 5-room dwelling and ga-
rage.
Owner and Builder—C. W. Griffiths,
1427 87th Ave., Oakland.
Architect—None. \$4000

STORE

(164) NE 24th ST. 100 E 8th Ave.,
Oakland; one-story brick and tile
store building.
Owner—H. B. Jacobs, 337 17th St.,
Oakland.
Architect—A. W. Smith, American
Bank Bldg., Oakland.
Contractor—Jacoba and Pattiani, 337
17th St., Oakland. \$5500

DWELLING

(165) E ASCOT Drive lot 1151 Smith
Reserve, Oakland; one-story five-
room dwelling.
Owner and Builder—W. O. McPherson,
son, 1733 64th Ave., Oakland.
Architect—Gerald W. McPherson, 1733
64th Ave., Oakland. \$8000

DWELLING

(166) 1315 TRESTLE GLEN ROAD,
Oakland; two-story 7-room dwell-
ing.
Owner and Builder—L. W. Roth, 1340
E 38th St., Oakland.
Architect—W. W. Dixon, 1850 5th Ave.
Oakland. \$7000

DWELLING

(167) 1062 MONTEREY, Berkeley; 2-
story 5-room rustic dwelling.
Owner—D. D. Edmonds, 6407 Regent
St., Oakland.
Architect—Millar White Const. Co.,
6407 Regent St., Oakland. \$6000

DWELLING

(168) 906 EUCLID, Berkeley; two-
story 7-room cement dwelling.
Owner—Dorothy G. Hooper, 732 Crag-
mont, Berkeley.
Architect—None.
Contractor—W. H. Hooper, 732 Crag-
mont, Berkeley. \$6750

RESIDENCE

(169) 1638 JULIA ST., Berkeley; one-
story 6-room 1-family frame resi-
dence.
Owner and Builder—J. R. Lantry, 739
Allen St., Oakland.
Architect—None. \$4050

ALTERATIONS

(170) 2311 WARD ST., Berkeley; al-
terations.
Owner—D. B. Replogle, 940 Arlington,
Berkeley.
Architect—None.
Contractor—Beadell and Lane, 909
Spruce, Berkeley. \$3000

DWELLING

(171) S BIRCH ST. 70 N 83rd Ave.,
Oakland; one-story 5-room dwell-
ing and one-story garage.

Owner and Builder—E. Calloway, 3516
Laguna Ave., Oakland.
Architect—None. \$2700

DWELLING
(172) SW COR. 83rd AVE. & Birch
St., Oakland; one-story five-room
dwelling.
Owner and Builder—E. Calloway, 3516
Laguna Ave., Oakland.
Architect—None. \$2500

ADDITION
(173) 5268 LAWTON AVE., Oakland;
addition.
Owner—John Devoti, 5268 Lawton
Ave., Oakland.
Architect—None.
Contractor—C. E. Burks, 4129 Ran-
dolph Ave., Oakland. \$2000

DWELLING
(174) N ATLAS AVE. 50 W Detroit
St., Oakland; one-story six-room
dwelling.
Owner and Builder—O. W. Johnson,
4551 Tompkins St., Oakland.
Architect—None. \$4750

DWELLING
(175) SW COR. SUNNYHILLS AND
Downey Place, Oakland; two-story
9-room dwelling.
Owner and Builder—H. C. Pendleton,
76 Lakeview Ave., Piedmont.
Architect—Miller and Warnecke, Fi-
nancial Center Bldg., Oakland.
\$3,000

SALESROOM & GARAGE
(176) 2050 OXFORD ST., Berkeley;
two-story class C salesroom and
garage.
Owner—University of California,
Berkeley.
Architect—W. H. Ratcliff, American
Trust Bldg., Berkeley.
Contractor—Connor & Connor, 1733
Francisco St., Berkeley.
Lessee—Langborn & Thomas, Berke-
ley. \$32,287

RESIDENCE
(177) 660 BLAIR AVE., Piedmont;
two-story 8-room frame residence
and garage.
Owner—Dr. Ernest Fowler, Franklin
Bldg., Oakland.
Architect—None.
Contractor—Geo. Windsor, 928 Kings-
ton Ave., Piedmont. \$9500

RESIDENCE
(178) 739 KINGSTON AVE., Pied-
mont; one-story 5-room residence
and garage.
Owner—Jean Herman, 33rd and Grove
Sts., Oakland.
Architect—None.
Contractor—Geo. Windsor, 928 Kings-
ton Ave., Piedmont. \$5100

RESIDENCE
(179) 1805-07 PERALTA AVE., Berk-
eley; one-story four-room 2-family
frame residence.
Owner and Builder—John Kemp, 1809
Curtis St., Berkeley.
Architect—None. \$2500

GARAGE & SALESROOM
(180) 2050 OXFORD ST., Berkeley;
two-story class C garage and
salesroom.
Owner—University of California, Berk-
eley.
Architect—W. H. Ratcliff, American
Bank Bldg., Berkeley.
Contractor—Connor & Connor, 1733
Francisco St., Berkeley. \$32,287

GARAGE
(181) 2416-22 EIGHTH AVE., Oak-
land; 1-story brick and tile shed.
Owner—C. Knolly, 2416 8th Ave., Oak-
land.
Architect—None.
Contractor—N. P. Lindholm, 1533 E
31st St., Oakland. \$1000

SHED
(182) SW COR 27th & TELEGRAPH
Avenue, Oakland; one-story tire
changing shed.
Owner—Sears, Roebuck Co., 524 Sycam-
ore St., Oakland.
Architect—None.
Contractor—P. J. Walker Co., Sharon
Bldg., San Francisco. \$1000

BUILDING PERMITS			
ALAMEDA COUNTY			
No.	Owner	Contractor	Am't.
40	Guliford	Warn	
41	Castlewood	Stolte	11500
42	Replogle	Beadell	3450
43	Regents	Walter	7940

RESIDENCE
(40) LOT 275 Subdivision of Mont-
clair Highlands, Oakland. All
work for six-room frame and
stucco residence.
Owner—Frank I and Jeanetta G. Gull-
ford.
Architect—Blaine & Olsen, 1755 Broad-
way, Oakland.
Contractor—Warn Bros., San Leandro.
Filed Feb. 15, '30. Dated Feb. 1, '30.
TOTAL COST plus per centage.
Bond, none. Limit, 90 days. Forfeit,
plans and specifications, none.

ALTERATIONS
(41) CASTLEWOOD Country Club;
alterations, repairs and new work
in men's locker room and women's
locker room.
Owner—Castlewood Country Club, Inc.
Architect—Edward T. Foulkes, 257
12th St., Oakland.
Contractor—F. C. Stolte, 11 Glen Al-
pine, Piedmont.
Filed and Dated Feb. 18, 1930.
Tenth of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$11,500
Bond, \$5750. Sureties, Pacific Indem-
nity Co. Limit, 32 working days.
Plans and Spec. filed.

ALTERATIONS
(42) 2311 17th ST., Berkeley; altera-
tions.
Owner—D. Ben Replogle, premises.
Architect—None.
Contractor—K. Beadell and George J.
Lane, 662 Fairview, Oakland.
Filed Feb. 18, '30. Dated Feb. 17, '30.
When plaster board in place. \$1725.00
When completed.....862.60
Usual 35 days.....362.50
TOTAL COST, \$3450

WINDOW SHADES
(43) LIFE SCIENCE Bldg., Univer-
sity of California, Berkeley; in-
stallation of window shades in Life
Science Bldg.
Owner—Regents of University of Cal-
ifornia.
Architect—W. P. Stephenson, 1132
Amador, Oakland.
Contractor—D. N. and E. Walter &
Co., 562 Mission St., San Francisco
Filed Feb. 19, '30. Dated Feb. 17, '30.
Upon completion.....75%
Usual 35 days.....25%
TOTAL COST, \$7,940
Two Bonds, \$4250 each. Sureties, U.
S. Fidelity & Guaranty Co. Forfeit,
\$15 per day. Limit, 70 calendar days.
Plans and Spec. filed.

OAKLAND BUILDING SUMMARY
A. S. Holmes, chief building inspec-
tor of Oakland, reports the issuance
of 263 building permits during the
month of January, 1930, for improve-
ments involving an expenditure of
\$466,292. Following is a segregated
listing of the January activities:
Class of Bldgs. No. P'mts Cost
1-story dwellings 25 \$ 94,200
1-st'y 2-fam. dwelling 1 5,250
2-story dwellings 10 69,000
3-story apartments 1 40,000
1-story comfort sta. 1 952

1-story church	1	20,000
2-story office	1	5,600
1-story tile garage	1	225
1-story tile shed	1	755
1-story tile ser. sta.	1	2,450
1-story brick store	2	13,750
1-story brick comf. sta.	2	275
1-story brick whse.	1	17,500
1-story brick and tile		
cleaning works	1	2,828
1-story conc. laundry	1	13,000
1-st'y conc. gar. & shop	1	65,440
Conc. retaining wall	1	98
1-story steel ser. sta.	3	6,600
Steel conveyor bridge	1	1,383
Billboards	6	600
Electric Signs	29	5,530
1-story gar. & sheds	37	8,945
Additions	35	38,263
Alters. and repairs	100	54,245
Total	263	\$466,292

COMPLETION NOTICES
ALAMEDA COUNTY
Recorded Accepted
Feb. 13, 1930—1906 108th AVE, Oak-
land Joe Guisto to Joe Francis
.....February 8, 1930
Feb. 13, 1930—BEG at SW LINE
Proctor Ave with SE line of lot 6
thence NW on Proctor Ave 46 ft,
ptn lots 5 and 6 blk 8 Highland
Manor, Oakland. Abe Cohn to
whom it may concern.....Feb. 11, 1930
Feb. 13, 1930—LOT 59, Broadmoor
Park, San Leandro. M. Olson
to whom it may concern.....
.....February 8, 1930
Feb. 13, 1930—1545 THOUSAND
Oaks Blvd, Berkeley. K Schroer
to whom it may concern.....
.....February 4, 1930
Feb. 13, 1930—1521 77th AVE, Oak-
land. Rugg & Llsbon to whom it
may concern.....February 11, 1930
Feb. 10, 1930—LOT 23 and N 12 1/2
ft Lot 33, Regents Park No 8, Sa-
nity. George A Johnson to Robt
N Payne.....February 10, 1930
Feb. 11, 1930—PTN LOT 41 BLK 9,
map of Blk 9 and a ptn of Blks
3 and 8, Thousand Oaks Heights,
Berkeley. Thorvald Pedersen to
whom it may concern.....Feb. 11, 1930
Feb. 11, 1930—SW TELEGRAPH
Ave and 27th St, Oakland. Sears,
Roebuck & Co to MacGruer and
Company.....February 7, 1930
Feb. 14, 1930—\$315 GOLF LINKS
Road, Oakland. W W Brown to
whom it may concern.....Feb. 10, 1930
Feb. 14, 1930—\$321 GOLF LINKS
Road, Oakland. W W Brown to
whom it may concern.....Feb. 10, 1930
Feb. 14, 1930—PTN OF A 37.17 AC
tract of land firstly described in
deed from Realty Syndicate Co to
California Memorial Hospital dated
June 28, 1919 and recorded in
Vol 2796 of Deeds, pp 66, Oak-
land. Alvin S Lusk to a Fred-
erick Anderson.....February 11, 1930
Feb. 14, 1930—SW LOCUST ST and
79th Ave, Oakland. I Diamond to
whom it may concern.....
.....February 14, 1930
Feb. 14, 1930—LOT 13 BLK 17, Ivy-
wood Extension, Oakland. H F
Allen to whom it may concern.....
.....February 14, 1930
Feb. 14, 1930—\$40 BEGIER AVE,
San Leandro. Julius Gaedtke to
F C Duerr.....
.....February 14, 1930
Feb. 17, 1930—1270 BANCROFT Way
Berkeley. Hampton Perkins to
whom it may concern.....
.....February 12, 1930
Feb. 17, 1930—\$2 EUCALYPTUS RD,
Oakland. Brant M Rankin to E T
Letter & Son.....January 11, 1930
Feb. 17, 1930—SW COR 14th and
Franklin Sts, Oakland. Franklin
Land Co to Dinwiddle-Const Co.....
.....February 14, 1930
Feb. 17, 1930—\$58 ALICE AVE, San
Leandro. Effie M Cary to whom
it may concern.....February 17, 1930

Feb. 17, 1930—LOT 39 Resub of 13¹/₂ Acres, Lakeshore Highlands, Oakland.
Alton R Lapham to whom it may concern.....February 15, 1930

Feb. 17, 1930—LOT 1 BLK A, Melrose Gardens, Oakland. Edward J Johnson to whom it may concern.....February 15, 1930

Feb. 17, 1930—W LINE MARKET ST 276.08 ft SW of First St, Oakland. Pacific Gas & Electric Co to Anchor Post Co.....Feb. 6, 1930

Feb. 15, 1930—SW ATHOL AVE 56.93 SW Prospect St., Oakland. Harry M Berg to H J Schmitz & Hampton Perkins.....Feb. 12, 1930

Feb. 15, 1930—EDEN TWP. B E Alexander to whom it may concern.....Feb. 12, 1930

Feb. 15, 1930—NO. 418 EVELYN ST., Albany. Geo A Johnson to whom it may concern.....Feb. 14, 1930

Feb. 15, 1930—LOTS 13 AND 14 and Ptn Lot 10 Blk D, Foothill Blvd, Oakland. S E McCormick to whom it may concern.....Feb. 15, 1930

Feb. 15, 1930—SW SHATTUCK AVE and Aileen St., Oakland. Walter Hufschmidt to Dyer Constr Co.....Feb. 14, 1930

Feb. 15, 1930—LOT 65, Park Boulevard Terrace, Oakland. Max Bakar to whom it may concern.....Feb. 11, 1930

Feb. 15, 1930—W LINE SECOND St between Camelia and Gilman Sts, Lots 16 to 20 blk 30 tract B of L T 1 Assn, Berkeley. Electric Steel Foundry Co, Inc to Herrick Iron Works.....February 17, 1930

Feb. 18, 1930—PTN 37.17 ACRE parcel of land described in dec. from Ready Syndicate to Calif Memorial Hospital, Oakland. Pellegrina Ome to C Ungaretti & Son.....February 17, 1930

Feb. 18, 1930—27th & TELEGRAPH Ave, Oakland. Sears, Roebuck & Co to California Steel Products Co.....February 11, 1930

Feb. 18, 1930—LOT 7 BLK J, Estudillo Estates, San Leandro. Otto to W and Martha W Johnson to C F Lodge.....February 12, 1930

Feb. 18, 1930—727 SANTA BARBARA Road, Berkeley. John E and Brunette F Younger to J Harry Smith.....February 14, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
Feb. 13, 1930—1317 103rd Ave, Oakland. Paul T Swedberg Co vs Harry Brown, Peter R Jarvis and G L Hughson.....	\$34
Feb. 13, 1930—LOT 159 Arbor Villa, Oakland. Churchill Tile Co vs T C and Susan M Pimm.....	\$572.50
Feb. 13, 1930—LOT 23 N 1/2 Lot 22 Blk 27, map No 8, Regents Park, Albany. Henry Cowell Lime and Cement Co vs W R and Amy E White and J Davis.....	\$101.04
Feb. 13, 1930—2625-26 IVY DRIVE, Oakland. Scott-Buttner Elec Co vs D J Suel.....	\$429.46
Feb. 13, 1930—708-708A 32nd St, Oakland. Bay City Asbestos Co vs Rachael and E Berger.....	\$115
Feb. 11, 1930—S NINTH ST 100 ft E of Fallon St, Oakland. T P Hogan Co vs Japanese American Society of Oakland, S M Tieglund.....	\$75
Feb. 11, 1930—LOT 159, Arbor Villa Tract, Oakland. P M Henning vs T C and Susan Pimm.....	\$592.75
Feb. 11, 1930—PTN LOTS 9 and 10 Blk 6, East Oakland Heights, Oakland. Frank J Edwards vs T A Bowen and H Bartell.....	\$1639.25
Feb. 11, 1930—LOTS 159 and 160, Arbor Villa, Oakland. California Mill & Lumber Co vs Chas D and Effie M Knolty, Thomas C and Susan Pimm.....	\$8316.48
Feb. 14, 1930—PTN LOT 1, Bay tract, Oakland. Old Mission Paint	

Co vs M Renner and E Enz.....\$181.59

Feb. 14, 1930—SW HOPKINS ST 617.30 ft NW of Fruitvale Ave, Oakland. Richmond Sanitary Co vs M P Long, L G Hudson, Emma E Lutz.....\$516.46

Feb. 17, 1930—722 SANTA FE Ave, Albany. G V Ingram vs W W and G Bender.....\$180

Feb. 17, 1930—LOTS 124 & 125 SW 10 ft lots 26 and 27 blk R, Fruitvale Blvd Tract, Oakland. E E Robertson vs Robert C or Robert Worden.....\$39.55

Feb. 17, 1930—LOT 12 ptn lot 13, blk 11, lands adjacent to town of Encinal, Alameda. Oakland Bldg Material Co vs Mary Alice and R H Buck, Chas Anderson.....\$292.18

Feb. 17, 1930—LOTS 1 and 2 BLK B plat of the Percy Tract, Berkeley. American Sheet Metal Shop, Inc vs Annie Woodall, Alfred Olson, Richfield Oil Co.....\$237

Feb. 17, 1930—LOT 23 N 1/2 Lot 22 Blk 27, map no 8 Regents Park, Albany. Eureka Mill & Lumber Co vs W R and Amy E White, J and W J Davis.....\$507.88

Feb. 17, 1930—NV COR 14th and Myrtle Sts, Oakland. Tilden Lbr & Mill Co vs W G Helling, R D Maurice.....\$138.55

Feb. 15, 1930—LOT 81, Broadmore Park, San Leandro. Thomas Carter (as Thos Carter Glass Co) vs J M and Anna K Olson.....\$103

Feb. 18, 1930—LOT 70, Buena Vista Homestead, Oakland. T P Hogan Co vs Chris Riewerts and Thomas Jacques.....\$493.30

Feb. 18, 1930—SW LINE SAN Francisco-Sacramento Railroad right-of-way, 471.45 ft from Macomb property. Alfred L Vezina vs T M and A Hayes.....\$2236.65

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
Feb. 11, 1930—PTN LOT 7 BLK A, Rosemont, Oakland. H R Osborne as Osborne Elec Co to G and Mary Herman.....	\$136.48
Feb. 11, 1930—LOT 24 and ptn Lot 25 Blk 27, map No 8, Regents Pk, Albany. Eureka Mill & Lumber Co to J Davis, W R and Amy White, W J Davis, Geo Davis & Son, John Doe Davis.....	\$297
Feb. 11, 1930—LOT 24 and ptn Lot 25 Blk 27, map No 8, Regents Pk, Albany. Superior Tile & Products Co to W R and Amy E White, W J and George Davis.....	\$53
Feb. 11, 1930—607 SANTA FE AVE, Albany. Ben Jepsen, 442; Berkeley Metal Arts, 560; General Mill & Lumber Co, \$251.99, to W J Davis.....	\$53
Feb. 11, 1930—607 SANTA FE AVE, Albany. El Cerrito Electric Shop to W J Davis, John Doe.....	\$23.40
Feb. 11, 1930—607 SANTA FE AVE, Albany. John Henriksen, \$285; S J Roberts, \$155; Pacific Hardwood Flooring Co, \$164, to W J Davis, W R White.....	
Feb. 14, 1930—LOT 18 BLK 18, Kin-sell Tract, Oakland. H C Wood to E J Kibby.....	\$58
Feb. 14, 1930—1056-58 MASONIC Ave Albany. R S Clark to O A Burlingame.....	\$224.50
Feb. 11, 1930—LOT 24 and ptn Lot 25 Blk 27, map No 8, Regents Pk, Albany. Pacific Coast Aggregates Inc to W R and Amy E White, S J Roberts.....	\$99.60
Feb. 11, 1930—LOT 24 and ptn Lot 25 Blk 27, map No 8, Regents Pk, Albany. M Friedman & Co, 443.98; Henry Cowell Lime & Cement Co \$282, to W R and Amy E White, W J Davis.....	
Feb. 17, 1930—PTN LOT 1 and 10 Blk 6, East Oakland Heights, Oakland. Frank J Edwards to T A Bowen, H Bartell.....	\$1639.25

BUILDING CONTRACTS

SAN MATEO COUNTY

BANK BLDG.
PART VILLA LOT NO. 12, Mezesville
All work for reinforced concrete bank building.
Owner—James J. Fagan, Redwood City.
Architect—Albert F. Roller, Crocker First National Bank Bldg., S. F.
Contractor—Gus Wallin, 221 Hudson St., Redwood City.
Filed Feb. 7, 1930. Dated Feb. 4, 1930.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, \$38,614

Bond, \$38,614. Surety, Fidelity Deposit Co. of Maryland. Limit, forfeit, none. Plans and specifications filed.

STORE
WOODSIDE. All work for reinforced concrete and tile store.
Owner—J. V. Newman, Woodside.
Architect—None.
Contractor—George D. Prentice.
Filed Feb. 13, '30. Dated Feb. 13, '30.
Foundation in.....\$4000
To roof.....3000
Plastered.....2500
Completed.....4000
Usual 35 days.....4500
TOTAL COST, \$13,000

Bond, \$9000. Surety, Century Indemnity Co. Limit, 75 working days. Forfeit, \$15. Plans and specifications filed.

DWELLING
NO. 267 HILCREST BLVD., being Lots 11 and 12 Blk 19, Milbrae Highlands. All work for dwelling (2 bedrooms, 5 closets, kitchen cabinets, etc.)
Owner—John H. Neblett et al, Frem.
Architect—None.
Contractor—Carl Swanson, 763 Homer St., Palo Alto.
Filed Feb. 15, '30. Dated Jan. 23, '30.
Rough work done.....\$791.65
Brown coated.....791.65
Completed.....791.65
Total Cost, \$2375.00

Bond, none. Limit, 60 working days. Forfeit, plans and specifications, none.

HOSPITAL
SAN MATEO. All work for two-story reinforced concrete hospital.
Owner—San Mateo Association for Prevention of Tuberculosis, San Mateo.
Architect—E. L. Norberg, 580 Market St., San Francisco.
Contractor—G. W. Williams Co, 1404 Broadway, Burlingame.
Filed Feb. 14, '30. Dated Feb. 11, '30.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, \$26,493

Bond, \$12,246.50. Surety, Glen Falls Indemnity Co. Limit, 100 working days. Forfeit, \$10. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$400; N 25 ft. Lot 11 and 12 1/2 ft. Lot 10 Blk 19; No. 935 S-Sldorado St., San Mateo; owner and contractor, Geo. W. Notley, 604 S-Eldorado St., San Mateo.

BUNGALOW, \$3000; E 40 ft. Lots 14 and 15 Blk 6 7th Ave, San Mateo; owner, Eva Staffer; contractor, J. H. Clifford, 110 S-Humboldt St., San Mateo.

RESIDENCE, \$9000; Lot 2 Blk 257; No. 528 Clark Drive, San Matea; owner and contractor, John Looman, 125-A Park Road, San Mateo.

RESIDENCE, \$4000; Ptn Lots 12 and 13 Blk 9, Humboldt St., San Mateo

owner and contractor, James Horne, 869 California Drive, San Mateo.

RESIDENCE, one-story, \$4000; Lot 3 Resub. 247 Barnissan Ave., San Mateo; owner and contractor, E. W. Daniels, 242 Elm St., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Feb. 7, 1930—PART LOTS 13 AND 14 Blk 9, East San Mateo. John Patti to Ashley S Powers.....Feb. 6, 1930

Feb. 7, 1930—LOT 12 BLK 14, Bayview Heights. Hans Thompson to whom it may concern.....Feb. 5, 1930

Feb. 7, 1930—31.851 ACRES LAND South San Francisco. W P Fuller & Co to R C Stickle.....Feb. 5, 1930

Feb. 8, 1930—LOT 27 BLK 13, Scherwin Tract, San Mateo. George Henry Wood et al to whom it may concern.....Feb. 5, 1930

Feb. 8, 1930—LOT 22 BLK 3, Hillcrest. Horrace Fellows to whom it may concern.....Feb. 5, 1930

Feb. 8, 1930—LOT 55 BLK 1, San Bruno. Kirsten Petersen to E Peterson.....Feb. 5, 1930

Feb. 10, 1930—LOT 47, Peninsular Manor. John L Debenedette Jr to whom it may concern.....Feb. 7, 1930

Feb. 10, 1930—2 ACRES ON WOODSIDE ROAD. William D Flinn to whom it may concern.....Feb. 7, 1930

Feb. 10, 1930—NO. 535 HANOVER St., San Mateo. Victor Bjorkman to whom it may concern.....Feb. 7, 1930

Feb. 10, 1930—LOT 37 BLK 4, Burlingame Hills. H K Atwater to C B McClain.....Feb. 10, 1930

Feb. 10, 1930—LOT 24 BLK 2, Partidge Subd. Menlo. H M Monroe et al to L E Withgitt.....Feb. 3, 1930

Feb. 10, 1930—S&S Map, YST.

Feb. 13, 1930—PART LOT 4 and Lot 41 Blk K, San Bruno. S Lombardi to G Magnuson & Co.....Feb. 11, 1930

Feb. 13, 1930—PART LOT 22 and Lots 23 and 24 Blk 6, East San Mateo. J E Cooksey to whom it may concern.....February 11, 1930

Feb. 13, 1930—LOT 3 BLK 27, Crocker Estate Tract. Sigrid J Millhauser et al to Louis J Roberts.....February 15, 1930

Feb. 14, 1930—BLK 21, Lomita Park. Milbrae School Dist to Gustave Magnuson, et al.....February 10, 1930

Feb. 15, 1930—LOT 17 BLK 14, Baywood. Axel V Johnson to whom it may concern.....February 5, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Feb. 11, 1930—LOT 13 BLK 9, Wellesby Park. Donald B Sevier et al vs Roy Grover.....	\$156.01
Feb. 7, 1930—LOT 13 Lexington Pk, San Carlos. Lumber Co. \$53.43; Joe V Lara vs Thomas Jefferson.....	
Feb. 8, 1930—LOT 13 Lexington Pk, San Carlos. Feed & Fuel Co vs Thomas Jefferson.....	\$573.24
Feb. 8, 1930—PART LOT 4 BLK 9, Burlingame Hills. Martin Kassner vs J Coral Rodger et al.....	\$58.65

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Feb. 11, 1930—LOCATION NOT Given. E A Nelson et al, to San Mateo Terminal Properties Co.....	

BUILDING PERMITS

PALO ALTO

REPAIR fire damage, \$2500; No. 105 University Ave., Palo Alto; owner, George Bralis; contractor, D. K. Carlsen.

CANTEEN, frame and stucco, \$5000; No. 711 El Camino Real, Palo Alto; owner, D. M. Baird; architect & contractor, D. D. Stone, Great Western Power Bldg., Oakland.

DWELLING and garage, frame and stucco, \$2000; No. 222 Waverly St., Palo Alto; owner, Ella Cummings, 1230 Fulton St., Palo Alto.

DWELLING, frame and stucco, \$3000; No. 271 Stanford Ave., Palo Alto; owner, House & Osmonson, 156 University Ave., Palo Alto.

BUILDING CONTRACTS

MARIN COUNTY

BUILDING
WOODACRE, Calif.; general construction on 1-story frame building. Owner—Maria Lombardi. Architect—None.

Contractor—L. D. Gowan, 136 Girard, San Francisco.

Filed Feb. 3, 1930. Dated.....Lumber is delivered.....\$ 468
Building enclosed.....466
Completion.....468
TOTAL COST, \$1,140
Plans and specifications filed.

BUILDING CONTRACTS

MONTEREY COUNTY

WAREHOUSE
INTER of the wall line of Monterey St. and Gabilan St. on easterly side of Monterey St. and northerly side of Gabilan St., Salinas; general construction on one-story storage warehouse.

Owner—J. A. Cronett, Salinas.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Contractor—Fred McCrary, Fremont St., Monterey.

Filed Feb. 11, '30. Dated Feb. 10, '30. Progress payments.....75%
Usual 35 days.....Balance

Bond, \$10,600. Sureties, Fred McCrary. Limit, 90 working days. Plans and Spec. filed.

APARTMENTS
LOTS 18 AND 20 BLK 74, City of Carmel. All work for two-story and haseament stucco apartments. Owner—Sun Dial Court Association, Carmel.

Architect—J. Francis Ward, 68 Post St., San Francisco.

Contractor—M. J. Murphy Inc., Carmel

Filed Feb. 13, '30. Dated Feb. 11, '30. As work progresses.....75%
Usual 35 days.....Balance

TOTAL COST, \$32,975

Bond, none. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

MARTINEZ

BUNGALOW, 5-room, tar and gravel roof and hardwood floors, \$2500; Pacheco and Brown Sts., Martinez; owner, Irving Welting, Martinez; architect, Los Angeles Lumber Association; contractor, Rudolph Johnson, Martinez.

BUNGALOW, 6-room, \$4150; Brown and La Salle Sts., Martinez; owner, Duilio Grilli, Martinez; architect, E. M. Cooney, Pittsburg; contractor, John De Sylva, Pittsburg.

BUILDING PERMITS

STOCKTON

STORE, \$25,000; No. 400 El Dorado St., Stockton; owner, Firestone Tire & Rubber Co., 245 N-Hunter St., Stockton.

ELECTRIC sign, \$1000; No. 41 N-California St., Stockton; owner, St. Leo Hotel, Premises; contractor, Bright Spot Electric Co., 332 E-Weber St., Stockton.

PACKING shed, \$2400; No. 138 N-Wilson Way; owner, San Joaquin Market Assn., Premises; contractor, E. R. Stokes, 333 S-Sierra Nevada St., Stockton.

RESIDENCE and garage, \$4000; No. 1210 W-Elm St., Stockton; owner, R. P. Dobson.

ELECTRIC sign, \$1500; No. 9 California St., Stockton; owner, Dalse, Haas, Bean & Barnett.

REMODEL dwelling, \$2350; 1248 N Sutter St.; owner, Mrs. Holland, premises; contractor, W. J. Scott, 1661 Poplar Ave., Stockton.

BUILDING CONTRACTS

SONOMA COUNTY

BUILDING
LOT DESCRIBED IN LIBER 495, of Deeds, Page 222, Healdsburg. All work for two-story building. Owner—E. Buffi, Healdsburg. Architect—None.

Contractor—Johnson-Lauder Co.

Filed Feb. 14, '30. Dated Feb. 14, '30. 2nd story joists on.....\$1200
Rough frame up.....2378
Brown plaster on.....3550
Completed.....3550
Usual 35 days.....3550

TOTAL COST, \$14,228

Bond, \$—, Sureties A. W. Garrett and W. S. Lauder. Limit, — day of May, 1930. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
Feb. 11, 1930—DUNBAR SCHOOL Site. Dunbar Union School Dist to Louis Halvorsen.....Feb. 8, 1930

Feb. 13, 1930—GREEN VALLEY School Site. Green Valley School District to W J Smith.....Feb. 17, 1930

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
Feb. 13, 1930—LOTS 9 and 10 BLK 241 map of Pacific Grove Beach, City of Pacific Grove. Roy Elston to whom it may concern.....February 6, 1930

Feb. 17, 1930—LOT 6, J. F. Kraus Subdivision, Monterey. Sam W Pipe to whom it may concern.....Feb. 10, 1930

Feb. 18, 1930—NE N-MAIN and Menke Sts., Salinas. M Shapiro to whom it may concern.....Feb. 17, 1930

Feb. 18, 1930—LOT 4 BLK 2 Map of Homestead Addition to Salinas City. Albert E and Lydia A Silacci to E L Kenville.....Feb. 14, 1930

Feb. 18, 1930—LOT 5 BLK 17, Homestead Addition to Salinas City. Jack F White to whom it may concern.....Feb. 17, 1930

Feb. 18, 1930—S 40 FT. OF N 80 FT. Lots 1 and 2 Blk 17, Homestead Addition to Salinas City. J Frank Laughton to whom it may concern.....Feb. 14, 1930

Feb. 18, 1930—N 40 FT. LOTS 1 and 2 Blk 17, Homestead Addn to Salinas City. J Frank Laughton to whom it may concern.....Feb. 14, 1930

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
Feb. 14, 1930—LOTS 10 AND 12 BLK 72, East of Center St., Stockton. Pacific Gas & Electric Co to San Joaquin Lumber Co.....	Feb. 7, 1930
Feb. 11, 1930—LOT 9 BLK 16 Sub No 1, Tuxedo Park. T E Williamson to whom it may concern.....	February 8, 1930
Feb. 18, 1930—LOTS 8 AND 9 BLK 7 Fair Oaks Tract, Stockton. Lucrécia Romo to J A Romo.....	Feb. 15, 1930
Feb. 18, 1930—LOTS 1 AND 3 BLK 12, S of Mormon Channel, No. 604 S-Lincoln St., Stockton. W F Garriott to whom it may concern.....	Feb. 17, 1930

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Feb. 14, 1930—LOT 69 BLK 6, Farmer & Ames Addition, Santa Rosa. V. Powers, 921 36th St., Sacramento; contractor, M. Valine, 2591 Harkness St., Sacramento.	
RESIDENCE, 5-room, \$4000; No. 382 37th St., Sacramento; owner, Wm. T. Martin, 3541 Curtis Park Dr., Sacramento.	

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
Feb. 11, 1930—E ½ LOT 7, K, L, 17th and 18th Sts., Sacramento. John Cassandro to whom it may concern.....	Jan. 27, 1930
Feb. 11, 1930—NO. 1930 Q ST., Sacramento. L Novick to whom it may concern.....	Feb. 1, 1930
Feb. 15, 1930—VALLEJO WAY near Seventeenth St., Sacramento. Sacramento City School District to whom it may concern Feb. 3, 1930	
Feb. 15, 1930—S 60 FT. LOT 4 and S 60 ft. of E ½ Lot 3, O P, 26th and 27th Sts., Sacramento. Evangelical Lutheran Trin. Congregation to whom it may concern.....	Feb. 4, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
Feb. 7, 1930—PTN SECTION 23-8-4, Sacramento. Signar Lindroth and Severin Johnson (as Capitol Lumber Co) vs Abraham and Dora Alderson.....	\$369.80
Feb. 7, 1930—E ½ LOT 6, L, M, 17th and 18th Sts., Sacramento. Murray & Low vs J E and Fannie Norin.....	\$155.64
Feb. 10, 1930—E ½ LOT 6, L, M, 17th and 18th Sts., Sacramento. Wm A Rapp, \$43; Moore & Garlick, \$612.46; Thomas B Hunt, \$12,351.79 vs Jonas E and Fannie Norin.....	
Feb. 10, 1930—E ½ LOT 6, L, M, 17th and 18th Sts., Sacramento. Chas E Owens, \$32.50; W J Clifford, \$42.80; Joseph Burnett & Son, \$825 vs Jonas E and Fannie Norin and Thomas Hunt.....	

BUILDING PERMITS

SACRAMENTO

CANOPY, over grease racks, \$1,000; No. 3901 J St., Sacramento; owner, Standard Oil Co., Tenth and J Sts., Sacramento; contractor, Lindgren & Swinerton, Standard Oil Bldg., San Francisco.

RESIDENCE, 5-room, Cost omitted; No. 1163 Marian Way, Sacramento owner and contractor, Land Drive Terrace, 819 J St., Sacramento.

RESIDENCE, 6-room, \$4500; No. 4930 H St., Sacramento; owner, Mrs. Hall A Personett vs Ernest C Heine and Lena Heine.....\$520

Feb. 17, 1930—LOT 9 BLK 25, McDonald's Addn to Santa Rosa. W R Lippincott vs Clifford M Carlson.....\$1271.37

BUILDING PERMITS

FRESNO

DWELLING, \$3900; 1110 Echo Ave.; owner, A. Thomas, 2929 Tulare St., Fresno; contractor, K. Egayan, 1503 S 5th St., Fresno.

DWELLING, \$2000; No. 806 Alhambra St., Fresno; owner, W. H. Richmond, 1379 Adeline St., Fresno.

DUPELEX, \$3500; No. 371 Park Ave., Fresno; owner, Oscar S. Foote, 365 Park Ave., Fresno.

DAIRY, \$15,000; No. 1804 Mary St., Fresno; owner, Canhams Dairys, Inc., Premises; architect and contractor, Shields, Fisher & Lake, Pacific Southwest Bldg., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
Feb. 10, 1930—LOTS 32 and 33 BLK 6, Torrance Terrace. W L Proctor to whom it may concern.....	February 10, 1930
Feb. 10, 1930—E ½ of W ½ of SW ¼ Lot 16, Easterly Rancho. Fred E Diel to whom it may concern.....	February 6, 1930
Feb. 13, 1930—E 20 LOT 9, Lot 10 Blk 2, College Addition, Fresno. Charles W Moss to A R Eklund.....	Feb. 10, 1930
Feb. 13, 1930—LOTS 1 AND 2 BLK 7, Roeding Addition, Fresno. A	

R Eklund to whom it may concern.....Feb. 10, 1930

Feb. 15, 1930—WHITES BRIDGE Ave Subway, Fresno. Southern Pacific Co to Johns-Manville (waterproofing same).....Feb. 8, 1930

Feb. 15, 1930—LOTS 55, 56 AND 57 Blk 11, Roeding Addition, Fresno. A R Eklund to whom it may concern.....Feb. 14, 1930

STONE AND WEBSTER IN BIG MERGER DEAL

Stone & Webster, Inc., proposes to acquire Engineers Public Service Company, which owns several utility concerns in the South and West, by exchanging six shares of Stone & Webster stock for each ten of Engineers, according to word from New York. Directors of both have approved the plan. Stone & Webster, Inc., now has a 10 per cent interest in the Engineers Company, which it was instrumental in organizing five years ago. Completion of the proposed merger would bring under one ownership a property with total assets of more than \$420,000.

Subsidiaries of Engineers Public Service Company include Eastern Texas Electric Company, El Paso Electric Company, Gulf States Utilities Company, Western Public Service Company and Puget Sound Power & Light Company.

Directors of Stone & Webster, Inc., have placed the common stock on a \$4 annual basis through the declaration of a quarterly payment of \$1, payable April 15 to stock of record March 14. Three months ago the company paid an initial dividend of \$2 a share.

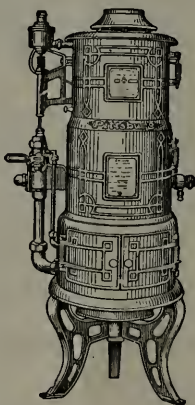
Insulating Products Co. (Attention Carl H. Schuttler), Aurora, Ill., desires to secure a firm or an individual in the San Francisco Bay district, who can act as agent to sell a high temperature heat insulating cement and a high temperature insulating fiber block.

A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

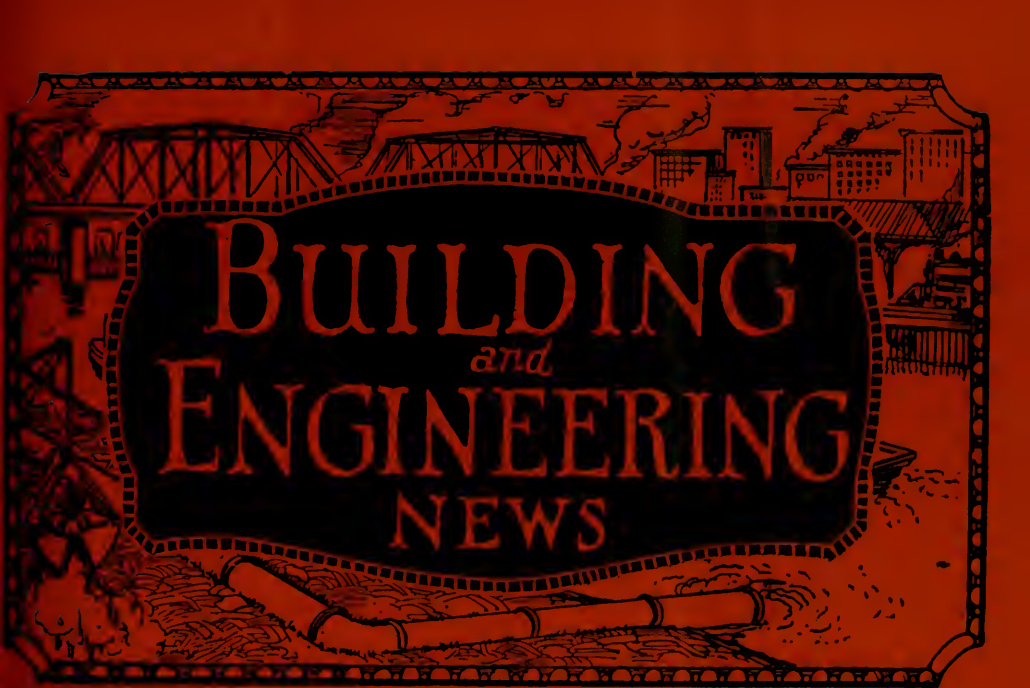


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SEND FOR CATALOGS



BUILDING *and* ENGINEERING NEWS

Publication Office
Mission Street

SAN FRANCISCO, CALIF., MARCH 1, 1930

Thirtieth Year, No. 9
Published Every Saturday

STEEL REINFORCING BARS

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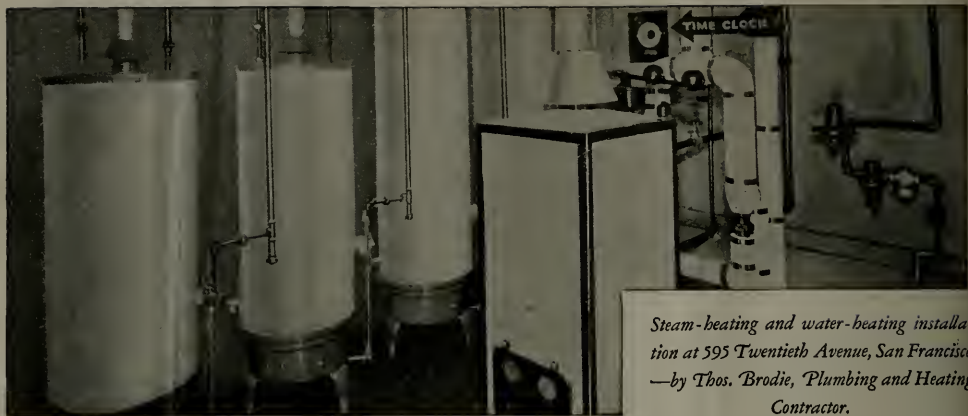
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Steam-heating and water-heating installation at 595 Twentieth Avenue, San Francisco —by Thos. Brodie, Plumbing and Heating Contractor.

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Better, of course, to have your heating contractor make a *complete* gas installation during construction. Owners and tenants want gas. Modern gas appliances help to sell homes and hold good tenants.*

*Why not make your next job a BLUE STAR building? BLUE STAR means: "Completely equipped with modern gas appliances approved by testing laboratories of the American Gas Association."

But *this* owner had his gas heating plant installed some time after the building was completed. It serves four flats—two of four rooms and two of five rooms each.

The boiler (310 sq. ft. of steam radiation) is regulated by time-clock control. Thermostat is in the owner's apartment. Although the boiler is on the owner's meter, water heaters are on tenants' meters,

together with their gas ranges.

Such *flexibility, adaptability* and *ease of control*—plus unequalled *cleanliness* and *dependability*—place gas beyond competition for every heat requirement.

Your gas company's engineers will gladly work with you in planning modern installations . . . Call them when you need them. No charge or obligation.

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SAN DIEGO: Electric Building

SAN FRANCISCO: 447 Sutter Street
SEATTLE: 360 Stuart Building

PORTLAND: Public Service Building
SPOKANE: 25 No. Monroe Street

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., MARCH 1, 1930

Thirtieth Year, No. 9

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

BILL PROVIDES FEDERAL AID FOR HOME BUILDING

A bill providing for the creation of a federal building loan board in the Department of the Treasury to supply funds for the building of homes has been introduced in the House by Representatives by Representative Hudleston of Alabama.

Under the provisions of the bill the board would consist of three members, one of them the secretary of the Treasury, the other two appointed by the President. The United States would be divided into 12 districts known as building loan districts with a building loan bank in each which would be authorized to issue bonds and would be obligated to become liable for them. These banks must have a capital of not less than \$300,000 and borrowers from them would be compelled to subscribe to stock in them in the sum of five dollars for each \$100 borrowed, this stock to be held as collateral security.

Loans could be obtained to purchase a building site or to provide buildings for the occupation of the owner and to liquidate the indebtedness of such owner. No borrower could obtain more than \$10,000 with interest not to exceed five per cent exclusive of amortization charge. The loans would be repaid on an amortization plan by fixed annual or semi-annual installments sufficient to cover an interest charge not to exceed the interest on the last series of building loan bonds, and an administration profit of not more than one per cent. The loans would be repaid in not less than five nor more than 40 years.

DIRECTORY OF CALIFORNIA ARCHITECTS ISSUED

Considered one of the most complete books of its kind, the revised pocket edition of The Architects' Directory of California, has just been issued by Cornell T. Malone, of the Los Angeles Builders' Exchange, A-65 Chamber of Commerce Arcade, Los Angeles, and 741 Pacific Building, San Francisco. The new edition is now ready for distribution.

Mr. Malone, the publisher, extends an invitation to any firm or individual engaged in the Engineering profession in California, to prepare and forward information stating class of engineering work specialized in. Such information will be carefully edited, and inserted in the Engineering Section, together with firm name, address and telephone number free of charge.

The Directory also publishes the Architects' Licensing Law, and names the officers and addresses of all architectural clubs in the State. There is also given a complete roster of active members of The Associated General Contractors in California.

The publication has received the endorsement of all architectural associations in the State and many public officials.

S. F. ENGINEER LOSES SUIT AGAINST CITY

Although C. C. Kennedy, San Francisco engineer, got a judgment against the city of Gustine, Merced County, for \$1120.85 for services supervising street improvement work, he cannot force the city to pay him by means of a tax levy, the third district court of appeals at Sacramento has ruled.

After Kennedy had obtained the judgment in the Merced county superior court and had it affirmed on appeal, he sued for a writ of mandate to compel the city to pay him by levying a tax. He lost the suit, and the appellate court affirmed the decision.

It was stipulated at the lower court trial that the amount of the judgment was more than the city's income for 1920, the year the debt was incurred.

U. OF C. ENGINEERS' DAY SET FOR MARCH 14

Plans are now well under way for the bi-annual Engineers' Day to be held by the college of engineering on the campus of the University of California, March 14.

The events for the day will open at noon with a barbecue in Mechanics' Hollow. During the afternoon open house will be held in all the engineering colleges. Laboratories and special stunts will be in operation all afternoon mine rescue, high voltage demonstrations, liquid air show, talking movies, under water cutting of steel, and a wood burning truck are a few of the events of the afternoon. The houses will be open to the public without charge and all demonstrations will be explained and discussed.

The day will end with the dance in Hearst Memorial gymnasium.

Engineers' Day, having been held for several years, is designed to give the public a chance to see what the engineers on the campus are doing. As far as possible the actual laboratory experiments will be carried out and, according to those in charge, there will also be enough spectacular events to make the afternoon interesting. Equipment worth several thousand dollars will be in running condition, allowing the public to see how much of the engineering development is carried out in practice, it is announced.

WHOLESALE PRICES OF PLUMBING FIXTURES

January wholesale prices of standard plumbing fixtures for a six-room house, as collected by the Department of Commerce from reports of twelve representative manufacturers and wholesalers, were \$100.55 as compared with \$100.58 in December and \$106.30 in January, 1929.

L. A. SEEKS TO ELIMINATE UNLICENSED CONTRACTORS

The following excerpt from a resolution passed by the board of building and safety commissioners of Los Angeles, shows the desire of the board to co-operate in enforcing the California State Contractor's License law:

"NOW, THEREFORE, BE IT RESOLVED, That this board request the Honorable City Council to promptly so amend existing city ordinances so that this department may be authorized to refuse the issuance of permits or licenses to contractors, as defined by that state law, in the absence of proper showing that any such contractor is possessed of a state license in full force and effect, so that it will be unlawful for any such unlicensed contractor to participate in any permitted construction project or for him to be allowed or suffered to so participate, and so that any permit or license may be revoked by this Board should any such violation come to its attention."

TWENTY-FT. BRICKS ANNOUNCED BY CERAMIC SOCIETY

The secret of making twenty-foot bricks and molded sides of small houses was laid before the American Ceramic Society meeting in Toronto, Ontario, Feb. 18.

It is a new process, in which bricks are made much like steel, of molten raw material. While the clay is white-hot, at about 2,000 degrees Fahrenheit, it is shaped and pressed, and it is claimed bricks can thus be made enormously larger than anything hitherto practicable. Always heretofore bricks have been shaped before baking, and the old process limits size.

Professor Joseph E. Shaw, the head of the department of ceramics of Pennsylvania State College, inventor of the method, said the new bricks can be rolled like steel. They can be made reinforced with steel laid in the molten clay. The process dips into another of the practical buildings arts by making brick veneer. One brick can be impressed upon another to form a single structure. They are annealed like metal.

So far as he has been able to discover, Shaw said, clay products never have been made before by this method, which "introduces a new field of marked possibilities."

"The articles so shaped," he went on, "will resemble structural steel and concrete structures in size. Sea walls, piling, heavy beams, foundations, building walls and similar articles, of large dimensions, which cannot be manufactured economically under present practice, are the type for which this process seems ideal."

An announcement from Penn State said that the process will roll sides of houses and sections of roads. The research was undertaken to produce new paving material.

\$16,170 WASTE ELIMINATED ON ONE PROJECT ALONE BY USE OF THE QUANTITY SURVEY METHOD

(By C. T. Burman, Treasurer, American Institute of Quantity Surveyors)

In presenting facts and figures on one project, the Chicago Union Station, the saving in eliminating duplication of takeoffs alone, due to a proficient quantity survey prepared for the bidders on marble and travertine stone, amounted to \$16,170. This was on a \$812,000 marble contract, or a saving of over 1 3/4 per cent on one project.

Copies of quantity surveys were furnished to twelve bidders on the first set of plans. With constant revision the number of competitors decreased to four, making the average number of bidders eight. Naturally a job of this size necessitated several revisions and taking of new figures on revised plans. The total time consumed by the Burman Quantity Bureau in making surveys on original and revised plans on the marble was 154 days, spreading over a period of three and one-half years. However, had each firm taken off its own quantities, the total time would have been 1232 days. Deducting 154 from 1232, there is a saving of 1078 days' labor for one man. At the rate of \$15 per day, the average salary paid to a senior quantity surveyor, or "estimator," as he is called in the trade, there is a total saving of \$16,170 for the marble industry alone in eliminating duplicate takeoffs.

However, the above amount is not the only saving made as quantities were taken off by senior and experienced man and thoroughly checked. Therefore a greater degree of accuracy was obtained than would have been possible with less experienced men. This alone reverts to a further saving for the industry amounting to from 5 to 10 per cent, according to their own practice of allowing for errors that may creep in, which allowance may be considerably reduced when using a professional Quantity Survey.

Saving in Plans

In addition to this, there naturally was the saving in the number of plans necessary or there might have been a saving to the general contractor in eliminating the public estimating rooms which are maintained by a general contractor for the sub-trades. When one considers the public estimating rooms that are provided in the larger cities for the sub-contractors to occupy, in order to take off their quantities, it will be seen there is considerable money being spent by them for wasted space that could be put to better use. Many of these public estimating rooms are not where they should be. In some instances they are overcrowded with men, fumbling over one another for plans.

There is also a further saving in eliminating undesirable construction which causes considerable waste but adds nothing to the durability or beauty of the job. The architect's attention is called to these ambiguities and nine times out of ten addenda or changes are made to conform with the suggestions made by quantity surveyors who are skilled not only in taking off quantities, but also in details and construction in the various branches they take off. How much money has been saved the owners and how many jobs would have failed to mature had these savings not been called to the architect's attention, it

is, of course, difficult to determine.

Service To Architect

Another instance to prove that a valuable service is rendered to the architect is that of a terminal building in the East, where fifty-six addenda were put out by the architect, due to surveyors taking up questionable details or ambiguities with him. Just recently a long distance telephone call made to an architect in the East caused a change in the construction of stone cladding of piers in a building which netted a saving of over \$18,000.

I am not quoting names of architects or buildings, due to the fact that this might be construed as a reflection on their service. Such is not the case, however. The fact is there are no plans and specifications 100 per cent perfect. Consequently, there is no objection on the part of the architects in having their plans examined by proficient quantity surveyors who have spent their lifetime in that particular branch which they follow. Neither will the quantity surveyor make the job 100 per cent perfect, but a large percentage of the ambiguous errors are being rectified before damage is done.

\$18,000 might have caused the job to be abandoned or a new set of plans or figures taken. Too much care cannot be exercised and the fee paid to a quantity surveyor is negligible when one considers the saving.

There is a further saving in eliminating extras, "bickering" and time lost due to misunderstandings on the job. When the project mentioned alone shows a definite sum of 1 3/4 per cent saving, one can readily visualize items that multiply this percentage of saving several times. The saving will revert to the owners, general contractors, material men, and all coming in contact with a building project.

There are now enough facts compiled by the members of the American Institute of Quantity Surveyors to prove to the building industry and to the building public as a whole that a quantity survey by professional quantity surveyors eliminates waste and increases efficiency, thus resulting in more economical building and greater prosperity for all concerned than under the old method of individual estimating by the various trades and general contractors. It is no longer considered a theory by well-respected contractors, engineers or architects—but a proven fact.

Ignorant of Cost

Contractors and the building public are ignorant of the actual cost of estimating proposed building projects. Ten contractors may figure a job, but only one gets the contract when the job finally goes ahead. This item of overhead of general contractors and sub-contractors runs into millions of dollars every year. They have no way of collecting individually on this item of overhead, hence the cost must actually fall back on the man who builds. When one considers the enormous amount of time and money wasted by the building industry on projects which do not mature and which someone has to be paid for, it seems rather amazing that the building public will stand for such practices. However, no one individually is responsible for this prac-

tice. It is not just to place the blame on either the architect or contractor. It is an old custom which the building industry has fallen heir to. The old adage that habits die hard is no less true when applied to the present-day estimating methods.

Institute Organized

In 1928 the pioneer quantity surveyors of this country met in Chicago and organized the American Institute of Quantity Surveyors. The object of this organization shall be to unite professional quantity surveyors and their associates with the construction industry in fellowship to improve upon the science of quantity surveying, applied to construction for the promotion of:

(a) The social and individual economic welfare of mankind.

(b) A higher standard of business ethics and progress in the construction industry.

(c) Conditions and opportunities to render service on equal plane with other advanced professions.

During each succeeding year the A. I. Q. S. has held a convention in principal cities where quantity surveying has been discussed and studied from all angles. The Institute has found that the biggest objection in adopting the system is the standard method of measurements in the various branches entering into a building project. That this in time will be ironed out is inevitable, though it will require time. It took the British quantity surveyors scores of years to form and promote the standard methods of measurements. It naturally will require as much if not more time to formulate the standard practices for this country, when one considers the size and the advancement made in the various branches of the building industry of this country.

The American Institute of Quantity Surveyors have passed resolutions calling the attention of the Federal Trade Commission to the enormous waste and have requested the entire building industry to co-operate with them in standardization or a uniform method of measurements. Through this method all associations, no matter how large or how small, local or national, will be given an opportunity to present their method of measurements which will eventually be brought together and a standard system will be set up that will meet the requirements of the country as a whole. The present confusion of speaking in terms and quantities of different units or denominations will be eliminated.

ELIMINATION OF FIRE TRAPS IS AIM OF ORDINANCE

An ordinance which it is claimed will eventually eliminate San Francisco's firetraps is recommended to the Board of Supervisors by the Junior Chamber of Commerce.

The board sent the proposed law to the fire committee for consideration. The new ordinance gives the city's fire prevention bureau authority to enforce existing safety measures.

Heretofore, according to representatives of the junior organization, no one particular city bureau has had the right to insist on obedience of the laws.

MONEY FAVORS BUILDING; VOTERS DO NOT, SURVEY SHOWS

The prospects of financing any large increase in building this year are still somewhat cloudy, says a Business Week. The National Building Survey Conference, one of the organized activities set up by President Hoover through the United States Chamber of Commerce, is paying particular attention to means of improving facilities for financing smaller types of construction work, and it sees some light ahead in this field. According to its latest report, there has been a slightly greater flow of money into the mortgage market during the past 40 days, though funds are still being placed on a rather conservative basis. The survey indicates that building mortgage conditions on the West Coast are now more favorable, money being available in sufficient quantities for loans on residential and remodeling projects at rates varying from $\frac{5}{8}$ % to 7% on the basis of 60% valuation. In the districts surrounding Cincinnati, Cleveland, St. Louis and St. Paul a pickup in the mortgage market is reported but there has so far been less improvement in the New England region.

The indications are not so good for increased borrowing for public construction. The Daily Bond Buyer figures show that the amount of new municipal bond issues authorized in January was only \$11,620,346, the smallest for the first month of any

year since 1926. More significant is the fact that municipal bond issues aggregating nearly \$3,000,000, proposed by 36 municipalities in 17 states, were rejected by voters in January—a somewhat larger exhibition of thumbs-down on new borrowings than has been seen in the most comparable months of recent years.

Apparently some of the recent difficulties in municipal finance have made voters wary. A more important reason is the fact that state and municipal borrowing during 1929 was exceptionally heavy in spite of the fact that public building for the year showed only a slight increase over the preceding year. The final figures of The Bond Buyer, covering 1929, show a total of state and municipal bond issues sold amounting to \$1,453,148,438, which was the largest amount of such securities marketed in a single year except in 1927. Since 1928 was a very large building year one inference from these facts might be that the heavy borrowing during 1929 may reflect itself in larger public construction during 1930, even though local taxpayers might hesitate to continue to go further into debt this year. In other words, if public building expanded greatly this year on the basis of last year's borrowings, while new borrowings this year fell off, we might expect a somewhat slack year for public construction in 1931.

BUSINESS ON THE UP-GRADE SAYS CONFERENCE CHAIRMAN

Julius H. Barnes, chairman of the National Business Survey Conference, issued the following statement today on the business situation after a study of reports reaching the headquarters of the Conference at Washington, D. C.—Editor.

Detailed reports on the business situation reaching the headquarters of the National Business Survey Conference continue encouraging. Business on the upgrade and we are rapidly approaching the time for the ordinary revival of outdoor work, which will further accelerate progress.

The shock of the deflation in security prices has largely been absorbed in three months. The danger of a long depression appears fairly over; with every evidence of early renewal of the normal onward march of living standards and business progress.

We do not need to detail the reassuring factors that became manifest even two months ago, because today business reviews, economists and business leaders are speaking with confidence and on a growing record of business recovery.

This improvement became possible because of the collective common sense, the courage and enterprise of all kinds of Americans, in business and in life. We do, however, need to continue to apply these qualities, especially for the next few weeks. Careful planning and cooperation can improve buying power still further and can help to relieve individual hardship. Three months is a short period in the evolution of business, but a long time to the worker out of a job, even if he has accumulated savings.

Large business units are doing their part daily to help. The railroads,

the public utilities, the steel industry and others have increased and speeded up their construction plans. Reports coming in from business establishments disclose also that they generally are following through the suggestion of the Business Survey Conference that until outdoor construction generally can get under way they can assist by advancing within prudent judgment all necessary repairs, improvements, betterments, etc. of both normal and emergency character. Homeowners, too, can help by doing needed work now, so that men temporarily idle can be carried over until larger programs can be started.

American business is carrying out its pledge to make every effort to create and maintain employment until business momentum is fully regained and the emergency is over. Wage scales, too, are being maintained to sustain buying power. One of the most encouraging factors at the present time is found in the fact that at least 44 million persons are gainfully employed, which is ten million more than were at work in 1921. This in itself helps to explain the checking of this business recession in so short a time, because these ten million additional workers, earning higher income than was possible in earlier years, themselves furnish a buying power which keeps fellow workers employed and factories running to serve their needs.

Any wide unemployment immediately reacts on business, and the modern business man, knowing this, is as anxious as the worker himself to keep unemployment at a minimum.

Norris Sacramento Plumbing Co. and Golden West Heating Co. have filed applications seeking membership in the Sacramento Builders' Exchange.

UNIFORM GOVERNMENT CONTRACTS PROPOSED IN BILL

The passage of the Cramton Bill by Congress, establishing uniform requirements to be met by the government departments in their contracts is expected this season. All the government departments are in favor of the proposed legislation as well as the Bureau of the Budget. The Associated General Contractors along with other organized contractors have long favored a measure of this kind which would simplify the procedure and remove many of the difficulties involved in estimating and securing payment. There are many inconsistencies in the operations of the different departments because of the statutes passed at various times. The Interdepartmental Board of Contracts and Adjustments of the Bureau of the Budget in attempting to coordinate the statutes concerning the letting of contracts in the departments found that there were 224 separate statutes regulating government contracts.

A committee was appointed to draw up a proposed bill which was finally presented as the Cramton Bill. Major Cushing, counsel of the Bureau of the Budget, in discussing the provisions of the bill states that there has been considerable discussion over certain points connected with the bill which may cause some delays. One of the most important sections concerns the award of contracts. The Comptroller General has raised an objection to the clause of this bill which gives the head of the department authority to make the final decision in case of doubt as to which bid is most advantageous to the government.

The Comptroller General argues that this clause takes away the authority which he now exercises in disallowing awards that have been made to a higher bidder if, in his judgment, the lowest bidder should have been awarded the contract. Major Cushing

ROMANIAN HOUSING PROJECT UNDER AMERICAN SUPERVISION

Announcement has been made by David M. Oltarsch, New York City, of the signing of a contract whereby he, in association with Maurice Blumenthal and the German concern Basalt Attiengesellschaft, will supervise the construction of approximately 15,000 buildings over a period of fifteen to twenty years in several cities in Rumania. Included in the construction is a new capitol in Bucharest. It is stated that work on the first section of the contract, involving \$16,000,000, will be started in March, and that by the end of 1930 approximately \$5,000,000 in construction will be completed.

Most of the new housing is intended to benefit government officials. The work will be financed through a special government bank to be set up by the Rumanian government, which will have the assistance of German, French and Swiss bankers. The homes will have an average cost of about \$2,000.

LUMBER EXECUTIVE KILLED

Frank E. Walker, assistant secretary and manager of the Clover Lumber Company, was instantly killed during a snow storm at Loyalton, Cal. Feb. 20, when a train, consisting of an engine and five cars, operated by his company, passed over his body.

Walker is survived by his widow, his parents, in Arizona, and a son, Elbert, a student at the University of Nevada.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Los Angeles with a total of \$9,115,846 was second among the cities of the United States in building for January, 1930. New York took the lead with a total of \$29,591,500. Chicago was third with \$5,484,500; Seattle was fourth with \$5,249,425. San Francisco ranked thirteenth with a total of \$1,431,983. Only seventeen cities reported \$1,000,000 worth of building or more for January, 1930, there being listed as follows:

New York City	\$29,591,500
Los Angeles	9,115,846
Chicago	5,484,500
Seattle, Wash.	5,249,425
Washington, D. C.	4,540,100
Detroit	3,993,800
Cleveland, Ohio	3,021,200
Cincinnati, Ohio	2,922,400
Boston, Mass.	2,836,500
Philadelphia	2,719,900
Baltimore, Md.	2,596,800
Buffalo, N. Y.	1,509,700
San Francisco	1,431,983
Milwaukee, Wis.	1,121,200
Newark, N. J.	1,107,400
Houston, Texas	1,096,400
Richmond, Va.	1,069,300

"The product of Oriental labor is coming into the United States in increasing volume, and the lumber industry in the State of Oregon is greatly in need of tariff protection, according to Governor A. W. Norblad in a telegram to President Hoover made public by the governor. Oregon is the most heavily timbered state in the Union," the governor's message said, "and our general prosperity is based very largely upon the lumber industry, which produces 60 cents of every dollar coming into the state. During the last eight months we have had much unemployment in the logging camps and mills due to the inability of our people to meet the competition from Canadian and Russian mills that operate under conditions not comparable to those of our mills who must employ American labor and pay wages which will permit laborers to live up to American ideals."

Electrical utility companies are planning to launch extensive customer-ownership programs, says the Business Week. Such financing, expected to exceed \$200,000,000 this year, is regarded as the most important single factor in counteracting public ownership propaganda. A total of \$2,000,000,000 in customer-owned preferred stock is now outstanding in the power and light field.

By order of the Los Angeles Building and Safety Commission the blank for architect's name on applications for building permits cannot be filled in unless the name is that of a certified architect or licensed engineer under the state act. A note to this effect printed in red ink appears on the application blanks now being used by the building department.

W. P. Jackson, for 22 years master mechanic and superintendent of equipment for the Key System Transit Company at Oakland, has been appointed to the safety engineering forces of the California State Railroad Commission.

"Listen In" was the gist of a recent "Postalgram" mailed to every architect, engineer, building contractor and manufacturers on the Pacific Coast of the Pacific Portland Cement Company of San Francisco "and everywhere on the Coast." It was a reminder-invitation of the Cement Half Hour over the National Radio broadcasting network, originating in New York City under the auspices of the Westinghouse Electric & Manufacturing Company, and dedicated to the Cement Industry on February 18, at 7 P. M. It included, among symphonic selections, a 4 minute address by Mr. Frank H. Smith of the Portland Cement Association about its aims and ideals. The broadcasting of this occasion of the Pacific Portland Cement Company is another indication that it is not enough to do worthwhile things, they must be kept before the public in this speed age, when event after event crowds in on already over-crowded minds.

Various components of building construction have reached definitely lower price levels in the past two months of business recession and while all declines have not been alike in degree they make possible in the aggregate a substantial saving in total construction costs, according to A. J. Eken, vice president of Starrett Bros., Inc., New York. "No reduction in labor costs have materialized and none is to be anticipated at the moment," Mr. Eken said, "but labor in the building industry has become more efficient and this greater efficiency tends to offset the high labor cost. Some savings may develop in sub-contracting as recent contracts show a willingness to take work at lower figures. Materials costs, on the other hand, are definitely lower and now make possible substantial savings."

James F. Collins, state director of professional and vocational standards, warns contractors that state licenses obtained under a partnership agreement are void when the partnership is dissolved. Collins has received a number of complaints in such cases wherein one of the partners appropriated to his own use the contractor's license issued in the name of the partnership. When a partnership is dissolved new individual licenses must be secured. Under the law enacted by the last legislature all contractors must be licensed by the state where contracting work in excess of \$200 is done.

Trade Practices Conference Rules adopted by the structural steel fabricating industry at a conference held Nov. 11, 1929, at Biloxi, Miss., have been acted upon by the Federal Trade Commission. Eight rules were affirmatively approved and eight others accepted as expressions of the trade. No action was taken on six definitions formulated at the conference, nor upon two resolutions providing for the creation of committees to draft standard proposal and contract forms and to investigate whether the rules are being observed throughout the industry.

Trade - union membership was a somewhat smaller in 1929 than in 1926 according to a summary of the latest edition of the Handbook of American Trade-Unions published by the Bureau of Labor Statistics. Unions in the American Federation of Labor, however, report an increase of 126,450 over the figure for 1926. The aggregate membership of all trade-unions, both within and without the American Federation of Labor, in 1929 was 4,331,251. Since 1926 ten national organizations have passed out of existence but most of these were small dual organizations which have been absorbed by larger bodies, and during the same period three new dual organizations have developed in different fields. The greatest increases in membership are reported in the construction industry and in public service.

The Department of Commerce report that unemployment has increased 3.3 per cent does not include the building trades. In these, in January, 33 per cent of the union membership was unemployed, the largest in three years. The condition is particularly severe in Oakland, Portland (Ore.), Minneapolis, St. Paul, Milwaukee, Chicago, St. Louis, Detroit, Jersey City, New York, Philadelphia and Washington.

A central finance holding corporation to supply funds to home owners who desire to make immediate repairs and improvements to their dwellings will be formed by the National Building Survey Conference as a means to assist in taking up the slack in building trade employment, according to a statement by Fenton B. Turck, New York, vice-president of the American Radiator Company.

In the recent bidding for the general contract on the Veterans' Hospital at Lexington, Kentucky, one of the contractors used the long distance telephone for submitting his figure to the Bureau in Washington, says the American Contractor. On being awarded the contract and seeing his published estimate total, he discovered that an error had been made in recording his telephone bid in Washington and requested permission to withdraw his figure on the ground that the mistake was not his. Attorney General McCarl has ruled that the tender is binding and that the contract must be executed at the award figure. Without regard for the legal merits of the Attorney General's decision, the publication says, the predicament of the unfortunate low bidder, who through the error must do the work at a figure nearly ten per cent lower than that of the next nearest bidder affords a lesson in the necessity of exercising extreme caution in submitting tenders.

Seventy cities have adopted the Uniform Building Code prepared by the Pacific Coast Building Officials' Conference. During the month of January five cities reported adoption of the code, these being Sebastopol and La Habra, Calif.; Helena, Montana; Olympia, Wash., and Albuquerque, N. M.

Beresford Park Development Association will petition the San Mateo County Supervisors to co-operate with the San Francisco Supervisors in a survey of Peninsula industrial possibilities. The plan is to seek co-operation on the proposed survey for which the San Francisco Supervisors have been asked to appropriate \$5000.

ALONG THE LINE

Andrew M. Jensen, city engineer of Fresno who recently submitted his resignation to the city council to enter private practice, will open offices at 615-616 Foxcroft Bldg., 65 Post St., San Francisco. Mr. Jensen leaves the office of city engineer of Fresno on March 1.

Nathaniel P. Williams, 63, general contractor, formerly operating at Willows, Calif., and more recently of Chico, died in the latter city Feb. 20, at the home of his son, Harold Williams.

Richard Retzlaff, for eight years electrical engineer for the Engels Copper Mining Company at Taylorsville, Calif., died Feb. 13. The widow and two daughters survive.

Major Clarence M. Foster, 63, for the past ten years Pacific Coast manager of an asphalt concern, died in San Francisco Feb. 13. He was a member of the American Society of Civil Engineers. The body was sent to Indianapolis for burial.

Sam Hart and Allan J. Wagner, former city engineers of Sacramento, are reported to be favored for the appointment of city engineer of Sacramento by James S. Dean, new city manager. Chas. S. Blood, now assistant city engineer is also said to be favorably considered for the position which pays \$6000 a year. B. C. Clark is at present filling the position.

Aberdeen, Wash., city council has appointed a committee to compile a building code. Members on the committee are: City Councilman R. T. Babcock, chairman; Eric Shaw, also a councilman; Clarence George and Chas. A. Haynes, architects; W. R. McDonald, and E. J. Richards, labor unions, and Hebert Horrocks and Alex Praeger, contractors.

TRADE LITERATURE

"Isolation," is a quarterly publication devoted to scientific, practical and economical application and study of materials and methods of deadening and eliminating vibration and noise, published by the Korfud Co., inc., 235 East 42nd St., New York City. Copies will be furnished on request.

Melrose Steel Co. has leased quarries at 1200 Forty-seventh Ave., Oakland, and will engage in structural steel fabrication, specializing in service station work. The manufacture of several steel products is contemplated. R. Coney, William Jaeger and E. Balwick are co-partners in the enterprise.

The Common Brick Manufacturers' Association of America announces the first volume of a series to be produced on brick engineering—92-page booklet divided into two parts, namely, brick and brick masonry. The booklet deals with the physical and chemical properties of the unit brick and contains a number of data tables and graphs charts showing the strength of brick walls laid up in different bonds and mortars.

TRADE NOTES

Federal Engineering Co., of San Francisco, has filed articles of incorporation in Oakland. The company is capitalized for \$25,000. Directors are: Gordon Johnson of Berkeley, Clare W. Chapman and Paul S. Marrin of Oakland.

Paraffine Companies, Inc., plans to set up fire-brick kilns near Lompoc, Calif., for the production of fire-resistant brick and other products.

Western Export Lumber Co. has opened offices at 1475 Dexter-Horton Bldg., Seattle, where it will specialize in the shipment of lumber, logs and piling to the Orient, the United Kingdom and the Continent. At first, the company's activities will be confined to Japanese business. Fred Springer is president.

Arco Company of Cleveland, Ohio, manufacturers of paints, varnishes and lacquers, plans to erect at \$200,000 plant at Los Angeles, which will have a \$2,000,000 output the first year of operation.

Parker Electric Manufacturing Corp. of Alameda has been incorporated with a capital stock of \$50,000. Incorporators are: Peter and Michael D. Bernardi and C. Park, all of San Francisco.

Basalt Rock Co. of Napa plans an immediate expenditure of \$150,000 and the ultimate investment of \$250,000 in the construction of a gravel plant on the Russian River near Healdsburg.

Cork Insulation Co., Inc., makers of corkboard at Wilmington, Del., has opened a branch office at 354 Pine St., San Francisco.

NAMED SALES REPRESENTATIVE

The Byers Machine Company, Ravenna, O., announces the appointment of Edward R. Bacon as its sales representative in San Francisco and Northern California. The Bacon Company will handle the entire Byers line, including 1-yard, 1/2-yard and 1 1/4-yard shovels, cranes, draglines trenchers and skimmers. Unusual interest attaches to this announcement, as the Bacon organization was previously the distributor in Northern California for the Byers line, comprising a continuous connection broken only during the past two or three years.

Al A. Nelson has been elected president of the Seattle Chapter, Northwest Master Painters Association. Robert Grant was elected vice-president. J. W. Sorenson was named secretary and George Erickson, treasurer.

FABRICATED STRUCTURAL STEEL

New orders of fabricated structural steel in January, as reported to the U. S. Department of Commerce by the principal manufacturers, were 63 per cent of capacity, based on total orders of 196,368 tons reported by fabricators with a capacity of 290,145 tons per month, as compared with orders of 83 per cent of capacity in December, 1929 and 71 per cent a year ago. Shipments of fabricated structural steel in January represented 67 per cent of firms reporting this item as against 72 per cent in December, 1929, and 73 per cent a year ago.

HERE — THERE — EVERYWHERE

A campaign of education carried on by the Allied Construction Industries of Saginaw, Michigan, has resulted in the co-operation of over fifty firms of that city in the movement to curtail loose credit practices. The officers of the Saginaw organization have been at work selling the idea of credit stabilization to every group and they believe that all the merchants and contractors who have joined are thoroughly convinced of its value.

Of interest to every dealer in building materials and every worker on buildings is a news item which comes from the Northwest. Portland newspapers recently announced the organization by seven local mortgage firms of the Mortgage Bankers' Association of Portland, "to aid in stabilization of home purchase financing," by providing mortgage loan machinery which will give the borrower an economical loan, unencumbered by avoidable charges. The new Association is affiliated with the Mortgage Bankers' Association of America.

F. E. Miner was elected president of the Imperial Valley Lumbermen's Club at the first annual meeting held recently at El Centro. O. S. Reid was chosen vice-president and W. W. Wheatley, secretary-treasurer.

Earl H. Strange, newly elected chairman of the United States Inter-coastal Lumber Conference, announces the opening of a branch office at 203 Columbia St., Seattle, under the management of A. S. Nichols, as well as the opening of a Net Verification Bureau at Seattle, under R. G. Chittenden.

The Northwest Concrete Products Association, meeting in Seattle, Washington, elected the following officers to serve for the ensuing year: President, Hans Alumm, Everett; Vice-presidents, Clyde Brutte, Portland, Ore., Carl Warren, Spokane, and E. L. Warner, Tacoma; Secretary-treasurer, W. M. Hews. The meeting was attended by 38 cement and concrete representatives from Washington, Oregon and Idaho. The mid-summer convention will be held in Bellingham during the month of July.

More forest, brush and grass fires occurred in California during the notably long, dry season of 1929 than in any previous year since organized fire protection has been in force in the State, according to the combined report of the United States Forest Service and the Division of Forestry, State Department of Natural Resources. A total of 4,803 fires which burned over 1,153,462 acres and caused damage amounting to \$2,773,245 was the past year's fire record. Adding to these damage figures the money spent by State, Federal, county and private forestry agencies in preventing and suppressing fire, the loss is estimated at over 5 1/2 million dollars, not including the 1 1/4 million dollars of property destroyed by the Mill Valley fire which started within the city limits on the brush slopes of Mt. Tamalpais. Compared with 1928, the past year's record shows an increase of 632 fires, but the area burned was smaller by 400,000 acres than in the previous year and the total damage was \$100,000 less.

RECOMMENDED ELECTRICAL LAW IS PUBLISHED

The Pacific Coast Building Officials Conference, at its 1929 annual meeting in Portland, Ore., voted to recommend the "Standard Electrical Ordinance" for adoption along with the Uniform Building Code.

This ordinance, as passed upon at Portland, is now ready for distribution and a supply is on hand at Conference headquarters at Long Beach.

The following quotation from the booklet gives a brief outline of the source of this ordinance:

"The Standard Electrical Ordinance was published by the Board of Fire Underwriters of the Pacific in 1927 after it had the consideration of the California Association of Electrical Inspectors at their meeting in Oakland, March, 1927.

"It is an adaptation of the Uniform Electrical Ordinance as originally recommended by the Law Committee of the Electrical Manufacturers' Council for general use.

"The California Association of Electrical Inspectors is now the Southwest Section of the International Association of Electrical Inspectors. The Electrical Manufacturers' Council is now the National Electrical Manufacturers' Association.

"This edition modifies the 1927 edition so as to comply with recent decisions by the Supreme Court of California."

This booklet is published and furnished by the Society for Electrical Development, Inc., 420 Lexington Ave., New York City, and the Board of Fire Underwriters of the Pacific, San Francisco, Calif.

PAVING BRICK SIMPLIFICATION

It has just been announced by the Division of Simplified Practice, of the Bureau of Standards, Department of Commerce, that the printed booklet on Simplified Practice Recommendation No. 1—Paving Brick (Seventh Edition) is now available. An examination of this booklet, copies of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., for 10 cents a copy, discloses that the simplification program for this product has effected a reduction of variety from 66 sizes and types to 5 or approximately 32 per cent.

BUILDING ATTAIN COLOSSAL DIMENSIONS

A continued trend toward taller buildings is reaching into the range of the colossal, says Engineering-News Record in an editorial survey of 1929 construction. Basically resulting from high land values, this trend has been given impetus by the advertising urge or vanity of individuals and corporations. Continued development in the tall-building field is in sight. The trend is shown by the past year's achievements.

In New York City the 792-ft. height of the Woolworth Building was exceeded twice, by completion of the Chrysler Building, 70 stories, 1044 ft., and the Bank of Manhattan, 70 stories, 925 ft. The Empire State Building, 85 stories, 1050 ft., is being started. High buildings announced for construction are: City Bank-Farmers Trust Co., 71 stories, 925 ft.; 42nd St. and Fifth Avenue, 58 stories; Hippodrome Building, 83 stories; Columbus Circle, 65 stories. In Pittsburgh the Gulf Refining Co. has announced a building 575 ft. high. The

United Shoe Machinery Co. has completed a 27-story building in Boston. In Chicago the 45-story office building housing the new Civic Opera auditorium, the 26-story Daily News Building—the city's first large air-rights office building—the Palmolive Building and the Carbon & Carbide Building are notable. Detroit built the 40-story Union Trust Building, its second tallest. Three tall buildings of reinforced concrete were completed: the 26-story 310-ft. Victory Building in Toronto, the 23-story 277-ft. Exchange Building in Seattle, the 19-story 264-ft. Medical Arts Building in Minneapolis.

Sizes as measured in volume are also growing to huge dimensions. The Chicago Merchandise Mart, inclosing 53,000,000 cu. ft. within its eighteen stories, nearing completion, will be the world's largest. The 85-story Empire State Building in New York is a close rival, its base dimensions being 200x425 ft. An airship dock in Akron, 325x1200 ft., with arch trusses 200 ft. high, is notable.

Welding of building frames is advancing. Work is started on a twelve-story structure for the Southern California Edison Co. in Los Angeles, with lateral bracing arc-welded. A 300-ton gas-welded mill-type building was erected in Niagara Falls, New York.

U. S. ENGINEERS ADOPT GRADE POINT SYSTEM OF MARKING

The grade point system of rating student scholarship which has been in effect during recent years in all the academic colleges of the University of California except the College of Engineering, was extended to include these divisions of the institution at the February meeting of the academic senate. It is announced by Recorder of the Faculties T. B. Steel.

The new rules provide that to receive the Bachelor of Science degree in the Colleges of Civil Engineering, Mechanics, or Mining, in May, 1931, or thereafter, a student must obtain as many grade points as there are units in the credit value of all courses undertaken by him in the university, beginning with January, 1930. Grade points are assigned at the end of the semester on the basis of three grade points for each unit of grade A; two for each unit of grade B; one for each unit of grade C; none for each unit of grade D, and a negative grade point for each unit of E or F.

Heretofore students in the College of Mining have been able to receive the Bachelor's degree with an average record of less than "C." Under the new regulations students will be required to present, in order to be eligible for graduation, a "C" average or better on all work undertaken in the university beginning with January, 1930.

The academic senate also approved the adoption for the Colleges of Engineering of new rules regarding the probation and dismissal of students for unsatisfactory scholarship. The new rules are identical with those in effect in other academic colleges in the university namely, a student is placed on probation if at the close of any regular semester his grade point deficiency is 10 points or more; a student is dismissed if, while on probation in any semester, he fails to maintain a "C" average; any student, whether on probation or not, will be dismissed if in any semester he fails to maintain at least an average grade of "D."

Recorder Steel points out that the new rules adopted for students in the engineering colleges do not effect the records made by students prior to January, 1930. Grade points for students in the College of Engineering will be computed by the recorder of faculties for the first time in May 1930, upon records made by the students during the semester, January to May, 1930.

FILM TELLS STORY OF MONEI METAL

A two-real motion picture telling the story of Monei Metal has been released by the Rothacker Film Corporation of Chicago. The film shows the preparation of the metal in its various commercial forms at Huntington West Virginia, and traces its various uses in more than a score of different industries. Also shown in the film is the tapping of an eleven ton furnace with the molten metal being poured at a temperature of 3000 degrees Fahrenheit. This is the largest non-ferrous electric furnace in the world. The picture is being offered to schools, societies, commercial organizations, and the like without charge and is available in 35mm and 16mm widths.

N. Y. PLANS MODEL HOSPITAL TO COST \$4,250,000

The folks who live on Park Avenue New York, and travel in high society are soon to have a hospital where they can be sick in the manner I which they are accustomed to live when well.

The Doctors' Hospital, housed in a \$4,250,000 structure overlooking the East River at Eighty-seventh street will open its doors next week. But its clientele will be quite restricted. There will be no charity ward, no white enamel bed, and prunes will be taboo.

Each of its 264 private rooms will have rugs on the floors, chintz at the windows and individual baths and lock boxes. Rooms will rent from \$8 to \$45 a day. There also will be 32 room on one of its 14 floors operated as hotel for the convenience of relative and friends of patients who wish to be with them during treatment. Also there will be a restaurant, preside over by a French chef, a barber shop, tailor, telegraph office, news stand and what not.

Stockholders include 400 social re-sterites. On its medical board will be 182 physicians and surgeons—and not an intern will be allowed.

CIRCULAR ON CARBON CIRCUIT BREAKERS

The Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., has published a new, illustrated, twenty-page circular on Type CL Carbon Circuit Breakers. The booklet includes several installation photographs showing the breakers installed in coast guard cutter, in a steelmill, or in office buildings. Several other photographs show construction details of the breakers. These photographs and the text present a clear description of the CL line, emphasizing the new and improved features of the breakers. The Foreword of the publication contains a brief history of the development of carbon circuit breakers, and tells of the rapid strides made recently in designing this equipment. The booklet may be obtained from any office of the Westinghouse Electric & Manufacturing Company by requesting Circular 1705-B.

ELECTRICAL INDUSTRY TO SPEND HUGE SUM IN 1930

Expenditures for new construction during 1930 aggregating \$400,000,000 and equipment and materials orders totaling \$465,000,000 will be made by the electrical industry, according to telegraphic reports submitted to the National Business Survey Conference and made public Feb. 15. The National Business Survey Conference was called at the direction of President Hoover.

Expenditures for new construction in the first quarter of the year will be \$193,000,000, or 10 per cent in excess of similar expenditures for the first quarter of 1929. Orders for equipment and materials for the first quarter of 1930 will total \$180,000,000, also an increase for the period, the conference announced.

Reports from the National Electric Light Association to the conference indicate that power companies in large industrial centers during January and the first week in February show an increase of 3 to 4 per cent over the same period of last year.

GOVERNMENT POSITIONS OPEN

Civil Service positions in the engineering field to be filled in the near future, with salaries paid, include the following: hydraulic engineer, \$3,800-\$4,400; associate hydraulic engineer, \$2,800-\$3,700; assistant hydraulic engineer, \$2,600-\$3,100; associate engineer, \$3,200-\$3,700; assistant engineer \$2,600-\$3,100; engineering draftsman, \$1,800-\$2,800; assistant geologist, \$2,600; junior geologist, \$2,000; junior technologist, \$2,000; junior physicist, \$2,000; junior engineer and deck officer, \$2,000; senior computer, \$2,000; junior computer, \$1,440; engineering aid, \$1,200. The closing dates for applications vary, the earliest being March 1. Further information can be obtained from the U. S. Civil Service Commission, Washington, D. C., or at the post office or custom house in any city.

STATE COURT UPHOLDS PLATTING LAW

The provision of various New York state enabling acts giving cities, towns and villages the right to require municipal approval of subdivision plots before they can be legally filed with county clerks was upheld by the State Court of Appeals in December 3, 1929 (Village of Lynbrook vs. George J. Cadoo et al.). The court ordered the county clerk to cancel the map in question, even though an official map of the village had not been adopted and filed. In the course of its opinion the court said: "Town planning is a new field of legislation, comparable with the recent development of zoning laws and regulations. Its purpose is to preserve through a governmental agency a uniform and harmonious development of the growth of a village and to prevent the individual owner from laying out streets according to his own whim without official approval."

FOREMEN'S ASSOCIATION ADOPTS CODE OF ETHICS

The following code of ethics for foremen has just been formulated by The National Association of Foremen. The code recognizes the individual's responsibility for his own development, his opportunity for service both within his organization and in society and offers a worthy goal for every foreman—the man holding the most strategic position in industry, direct liaison between management and workers.

The provisions of the code follow:

1. The foreman should recognize that every man above, beside or below, has an inherent desire to do good work and to be a useful and respected citizen. He should not assume that any man wants to do anything less than his best until he has considered every other possible motive.
2. The foreman should keep an open mind on all subjects, striving to maintain a broad and balanced outlook and being always willing to recognize merit in another's ideas.
3. The foreman should deal fairly with the management, the men and other foremen, assuming responsibility for his own mistakes and refraining from shifting blame to others.
4. The foremen should strive to understand the principles of business which make for success or failure of industry. He should pass at least some of the fundamentals of business principles along to his men, so they can see their own relation to the general scheme.
5. The foreman should keep informed as to the latest developments in equipment and processes. He should recommend or put into effect such methods as will produce improved quality, lower costs for the product and better working conditions.
6. The foreman should regard his profession as a field of social service offering an opportunity to help working people obtain maximum satisfaction from life.
7. The foreman should endeavor to be candid and carefully guard a reputation for good moral character, good citizenship and common honesty and to support and promote the uplifting influences of the community.

SALE OF PAINT, VARNISH AND LACQUER GAINS \$17,000,000

Sales of paint, varnish, and lacquer products during 1929 gained more than \$17,000,000 over the preceding year, according to information made available by the Bureau of the Census, Department of Commerce. These figures are for trade sales, industrial sales, and those not classified, of all three of these products, it was stated.

Trade sales include shipments to dealers, jobbers, painters, and consumers, while industrial sales are those to manufacturers, railroads, and Government, marine, and all other similar users, it was pointed out. The largest increase was in the industrial sales, though gains were reported in all three divisions.

The total sales of these paint, varnish, and lacquer products last year amounted to \$353,340,237 compared to \$371,024,043 for 1928. The trade sales increased from \$133,677,027 to \$144,246,746 and the industrial sales from \$123,917,333 to \$133,004,935 for last year. The sales of these commodities not classified under either of the above listings increased from \$108,429,633 to \$11,088,546, it was shown.

These figures are a summary and may be subject to revision as reports are received from additional concerns.

LAMONT VIEWS CONSTRUCTION OUTLOOK AS HOPEFUL

Pointing to the improved situation in the steel industry which is now operating at about 80 per cent capacity, the Secretary of Commerce, Robert P. Lamont, stated that "there is nothing to be disturbed about" in the business outlook of the Nation.

Employment is increasing from the low points of November and December but is not as high as last year at this time, the Secretary stated, but last

year was a high year, he said, January and February being exceptional months with record production in many lines, notably automobiles, while, as a rule, January and February are low months.

The Secretary emphasized the importance of the unemployment statistics to be collected this year in connection with the coming decennial census and expressed his opinion that the complete returns on a national basis will eliminate speculation as to the employment situation and will provide the basis for remedial action should it be necessary.

The construction outlook is good, he said, and cited the favorable conditions in fabricated steel plants which are filled up with new orders for months to come.

"MODERN HOME" COURSE OF U. OF C. EXTENSION

Increased building activity in the San Francisco bay region is responsible for the inauguration of a course in "The Modern Home," which will be given by the University of California Extension Division beginning March 12.

The course will be under the direction of William C. Hayes, who besides being Professor of Architecture at the University, is well known for his architectural work throughout the Pacific Coast.

Prof. Hayes will speak on house plans, the site and the relation of the house to it, equipment, arrangement, interior and exterior design, styles of homes, what constituted a good house, some consideration of the investment and value to be considered when purchasing a house. The class will be held at the Extension Building at 540 Powell St., San Francisco.

SAND AND GRAVEL MEETING FAVORS STANDARDIZATION

Steps leading toward the elimination of two outstanding problems of the sand and gravel industry were inaugurated at the convention of the National Sand and Gravel Association at Memphis, Tenn. Reduction in the number of sizes of gravel from 50 or more in every locality to six was suggested in a report of the committee on standard specifications, which will be submitted to the membership of the association for approval. Should these specifications prove satisfactory, they will be submitted to the bureau of simplified practice of the U. S. Department of Commerce, for adoption throughout the industry.

The convention adopted the suggestion of the trade relations committee that it hold a trade practice conference with the Federal Trade Commission in the near future for the purpose of establishing a code of ethics. Rules for the guidance of the industry will be prepared along the lines of those already adopted under the auspices of the Federal Trade Commission by many other industrial groups.

NORTHWEST BRANCH OF A. G. C. ELECTS OFFICERS

O. J. Amberg was re-elected president of the Northwest Branch of the Associated General Contractors of America at the two-day convention held in Portland, Ore., last week. James Murdoch of Seattle was re-elected first vice-president; W. T. Jacobson of Portland, and Geo. Lyon of Spokane, second and third vice-presidents, respectively. Henry George was elected treasurer and Dan Hannah, executive secretary.

MODERN PIERS ADVOCATED FOR SAN FRANCISCO HARBOR

San Francisco's water-borne commerce has increased 100 per cent since the World war started, and Major Charles Tilden, president of the Board of State Harbor Commissioners, predicts the business will double again in the next 16 years.

Addressing the harbor committee of the Junior Chamber of Commerce, Tilden advocated that a part of the \$10,000,000 bond issue to be voted upon by the people of California be used to develop modern piers north of the Ferry building especially for passenger travel.

"Passengers should not be required to go a mile or two south of the Ferry building to get to and from their ships," he said. "North of Market street is the proper section of the water front for passenger terminals. The wharves directly north of the ferry are small, old-fashioned and rotting away. All the old docks are now too small. They used to accommodate two vessels on a side, now they can hold only one of the big modern steamers."

"While the marine commerce of the city and the docking space have doubled in the last 16 or 17 years, the wharf facilities are still too small. One of the watch-words of San Francisco harbor is to keep the dockage charges down so as to induce steamship companies to come here."

"The rent is sixteenths of a cent per square foot monthly, a low enough rate and below that of many other ports. That the people of the city may become better acquainted with the importance of foreign trade, I suggest another Harbor day previous to the bond election."

BUILDING ACTIVITIES DECLINE IN JANUARY

The volume of construction performed during January, 1930, declined 38 points from the level of construction job activities in December according to a statistical study just completed by the Associated General Contractors of America. This decline is seen as a logical result of the previous declines in contract awards which became manifest during the summer of 1929.

The outlook for the future is exceptionally bright, however, since the same statistical study reveals that the volume of state and municipal bond issues sold in December represents an increase of 320 per cent over those of November and is equal to the largest volume of such bonds sold in any month since December, 1921, when a similar large sale of bonds ushered in the boom construction years of 1922 and thereafter. The proceeds from state and municipal bonds are generally used in public works construction hence the contractors' association looks forward to a steady increase in construction activity in this field beginning with next spring.

A further development that indicates an increase in construction activity is seen in the passage of the Federal Aid Appropriations Bill by Congress which provides an increase in federal funds to be used in conjunction with the funds of the various states on the improvement of highways. The new act provides for \$125,000,000 per year for each of the fiscal years 1931, 1932 and 1933.

Since the fiscal year 1931 begins on July 1, 1930, this increase in appropriations is taken to mean that the volume of highway construction during the coming season will be increased by at least \$100,000,000 over the volume that would otherwise be

undertaken. States that match their funds against federal aid may let contracts early this spring and by carrying the light early payments required by such early starting of operations can utilize the full volume of federal funds in the summer months when expenditures are heavy and progress in construction is more rapid.

Consequently, although the index figures showing the volume of construction performed during January, as indicated by shipments of basic construction materials, are lower than during January of any recent year this decline is taken by organized contractors to be a lull preceding a period of great activity, especially in the public works and highway construction fields.

RESULTS OF TEST ON SEWAGE TREATMENT

Bulletin No. 198 of the Engineering Experiment Station of the University of Illinois contains the results of tests on sewage treatment which were conducted at the experimental sewage testing plant of the University of Illinois.

Six series of investigations were made, the objects of which were as follows: (1) to study the practicability of sludge digestion in shallow Imhoff tanks with a view toward reducing the expense and difficulties met in the construction of deeper tanks; (2) to determine the effectiveness of placing roofs on sludge drying beds to hasten the drying of the sludge; (3) to determine whether or not it is feasible or advantageous to draw sludge into the drying beds in cold weather, as it was generally supposed that the freezing of sludge prevents its drying; (4) to derive an expression for the relation between the factors affecting sedimentation, i. e., the period of retention, the velocity of flow, the concentration of the particles, the depth of flow, and the temperature, and the per cent reduction of suspended particles in the sewage; (5) to determine the practicability of heating the sludge compartment of an Imhoff tank to increase the quantity of gas produced; and (6) to determine the quantity and quality of gas formed, the effect of heating the sludge, and the effect of circulating the tank liquor in preventing scum formation, with the use of a separate sludge digestion tank.

Copies of Bulletin No. 198 may be obtained without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

LUMBER MANUFACTURERS AWARD CONTEST PRIZES

The National Lumber Manufacturers Association announces the awarding of prizes \$100 to R. F. Buckley, edge-man and beltman, employed by the J. J. Newman Lumber Co., Sumrall, Miss., and A. Brattle steam and electrical engineer for the Snoqualmie Falls Lumber Co., Snoqualmie Falls, Wash., for devices which they submitted in the 1928-1929 National Waste Prevention Contest.

Twenty-six entries were received in the contest. The two mentioned above were, in the majority opinion of the members of the Utilization and Waste Prevention Committee of the National Lumber Manufacturers Association, original, practical, met fully the conditions of the contest, and worthy of prize awards. Mr. Buckley's entry is an Edger Safety Guard intended to prevent kickbacks. Mr. Brattle's entry is a Sawmill Carriage Block Cleaning device.

SAN JOSE ENGINEERS ELECT OFFICERS FOR 1930

John W. Ford, engineer of the San Jose Water Works, was installed president of the Engineers' Club of San Jose at the annual banquet meeting of the club at the Commercial Club. Ford succeeded Stanley Chapman who officiated as the installing officer.

Other officers elected and installed were Samuel P. Lavery, vice-president; Mark Thomas, secretary-treasurer, and William D. Lotz and Michael H. Antonacci, directors.

The new officers were submitted as the candidates by the nominating committee, W. H. Ball, R. V. Lotz and B. H. Skillings.

Ford announced the appointment of the following members to new committees:

Membership committee, Chairman Stanley Chapman, Frank Herman, Michael H. Antonacci and Harold Flannery; entertainment committee, W. L. Popp, chairman; Harold Tustin, Lylo Ohlson, Clarence Kerr and George Grene; auditing committee, Sam Lavery, chairman, W. MacLean, Lowell West; publicity committee, Michael H. Antonacci, chairman, W. L. Popp, Mark Thomas, Bruce Bolwell and Stanley Chapman, and sports committee, Russell Brady, chairman, Harold Tustin and Mark Thomas.

Following the banquet, which was attended by 26 members, Roy Emerson and Roy Topham entertained the club with humorous readings.

BLUE PRINTING INDUSTRY REPORTS LOSSES

Small orders and free delivery is making serious drains on the blueprinting business; wastage of paper because of odd shapes of prints amounts to a large though reduced loss.

According to figures reported by the Department of Commerce all blueprint orders of less than 75 cents show loss. Few orders under \$1 pay. Apparently, if free delivery service is to be maintained, the minimum charge should be \$1. Other possibilities would be to charge for delivery on all orders of less than \$1, or to refuse delivery service entirely for such orders.

Few users of blueprints would object to a \$1 minimum after a sufficient recognition of the unprofitableness of smaller orders, provided most of the industry adopts \$1 as the low end on the schedule including complimentary service.

The facts regarding photocopy orders are similar to those of the blueprints. Figures on the sale of accessories show very inefficient merchandising. The stock turnover average of concerns in 8 import cities is reported to be 2.2 times ranging from 1 1/2 to 8 1/2. Returns merchandise range from a net loss 3.91% to a net profit of 25%.

GLADDING, McBEAN EARNING

Although 1929 income statement Gladding, McBean & Co. will not be published until after the annual meeting in April, the balance sheet as December 31 reveals progress made during the year. Net gain in surplus was \$262,272, cash dividends paid totaled \$564,565, and stock dividends 8641 shares were equivalent of \$24,249. The aggregate of these amounts therefore, would indicate net-earnings of \$1,106,086, equivalent to \$5.07 share on an average of 218,188 shares outstanding during the year.

Building News Section

APARTMENTS

Plans Being Prepared.
APARTMENTS Cost, \$45,000
OAKLAND, Alameda Co., Cal. Near Lake Merritt.
 Three-story frame and stucco apartment building (2 and 3-rooms).
 Owner—Withheld.
 Architect—Chester Treichel, American Bank Bldg., Oakland.

Preliminary Plans To Be Prepared.
APARTMENTS Cost, \$30,000
SAN FRANCISCO, Marina District.
 Three-story and basement frame and stucco apartment building.
 Owner—Thomas Quistad, 2100 North Point St.
 Architect—Irvine & Ebbets, Call Bldg.

Plans Being Figured.
APARTMENTS Cost, \$50,000
BURLINGAME, San Mateo Co., Cal. Carmelita St.
 Three-story and basement frame and stucco apartment building (12 4- and 5-room apts.).
 Owner—A. J. Mullin.
 Architect—Russell Coleman, 1404 Broadway, Burlingame.

Plans Being Completed.
APARTMENTS Cost approx. \$250,000
SAN FRANCISCO, N Jackson St. 80 W Laguna St.
 Ten-story steel and reinforced concrete apartments (30 3, 4 and 6-room apts.).
 Owner and Builder—A. Penziner, 750 Taylor St., San Francisco.
 Plans By Owner.
 Plans will be ready for figures in two or three weeks.

Plans Being Completed.
APARTMENTS Cost, \$17,000
BURLINGAME, San Mateo Co., Cal.
 Two-story reinforced concrete apartment and store building (4 2-room apts. and 2 stores).
 Owner—Carl Turrello, 1145 Drake St., Burlingame.
 Architect—E. L. Norberg, 580 Market St., San Francisco.
 Bids will be taken in about one week.

Contract Awarded—Sub-Bids Being Taken.
APARTMENTS Cost, \$144,000
AKLAND, Alameda Co., Cal. N. Beacon St., 100' E. Lakeshore Blvd.
 Even-story rein. concrete apts. (35 two and 3-room apts.).
 Owner—Golden State Income Properties Development Co., Inc.
 Architect—P. C. Williams, Oakland.
 Contractor—Chas. S. Mabrey Co., Inc. 1001 45th St., Sacramento, and Oakland.

Working Drawings Being Prepared.
APARTMENTS Cost, \$120,000
LONG BEACH, Los Angeles Co., Cal. Cedar Avenue.
 Three-story & basement Class C brick apartment (70x147 ft.).
 Owner—Monarch Constr. Co., Long Beach.
 Architect—Piper & Kahrs, 441 E. First St., Long Beach.

Working Bllder.
APARTMENTS Cont. price, \$16,522
SAN JOSE, Santa Clara Co., Cal. 1st and Oak Sts.

Two-story reinforced concrete and frame apt. and stores (four three-room apts. and two stores).
 Owner—Mike Sasa, San Jose.
 Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.
 Low Bidder—Joseph Santi, San Jose.
 Next low bid was submitted by C. V. Brown, San Jose, at \$18,296. There were 12 bids submitted.

Plans Being Prepared.
ALTERATIONS Cost, \$40,000
SAN FRANCISCO, NW Bush and Polk Streets.
 Alter present apartments.
 Owner—Estate Louis Freidman.
 Architect—S. Heiman, 605 Market St., San Francisco.
 Work involves painting, electric wiring, plumbing, frigidaire. Plans will be ready for bids in about two weeks.

February 24, 1930
 Plumbing & Heating Contract Awarded.
APARTMENTS Cost, \$200,000
SAN FRANCISCO, SE O'Farrell and Franklin Sts.
 Six-story steel frame and reinforced concrete class C apartment building (42 2- and 3-room apts.).
 Owner and Builder—C. S. Hoffman, 1541 Howard St., San Francisco.
 Plumbing and Heating—J. Gibbs Sons, 1706 Geary St.
 As previously reported structural steel awarded to Golden Gate Iron Works, 1541 Howard St.; grading to G. Bianchini, 750 Silver Ave.
 Sub-bids are wanted on all other branches of the work.

Contract Awarded.
APARTMENTS Cost, \$70,000
OAKLAND, Alameda Co., Cal. E 10th Ave. NE 22nd St.
 Three-story and basement 72-room frame and stucco apartments.
 Owner—Margaret Cavallo, 1111 Jones St., Berkeley.
 Architect—None.
 Contractor—U. Cavallo, 1111 Jones St., Berkeley.

Plans Being Prepared.
APARTMENTS Cost, \$60,000
CARMEL, Monterey Co., Cal. Dolores and Seventh Streets.
 Three-story frame and stucco apartments and stores (Spanish type; 80x100 feet).

A Demonstration of the

SKILSAW PORTABLE ELECTRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

**ELECTRIC HAMMERS
ELECTRIC DRILLS
GRINDERS, BUFFERS**

PETER H. NELSON

Labor Saving Portable Electric Tools.

1222 Mission St. Underhill
San Francisco 1267

Owner and Builder—Hugh W. Comstock, Carmel.
 Plans by Mr. Comstock.

Sub-Bids Being Taken By Owners.
APARTMENTS Cost, \$40,000
SAN FRANCISCO, S Sacramento St. W Franklin St.
 Four-story and basement class C (16) apartments.
 Owner and Builder—L. D. Stoff, 26 Montgomery St.
 Architect—H. C. Baumann, 251 Kearny Street.
 Owner is in his office between 11:15 and 12 o'clock.

BONDS

SUNNYVALE, Santa Clara Co., Cal.—Sunnyvale School District defeats proposal to issue bonds of \$25,000 to finance additions to present school. Of the 265 votes cast, 150 favored the issue and 115 voted against it. A two-thirds majority was required.

BAKERSFIELD, Kern Co., Cal.—Bakersfield City School District has called election for March 25 to vote a direct tax for \$50,000 to finance erection of a new school on the Horace Mann School site. Will contain 6 or 8 classrooms and administrative offices.

FORTUNA, Humboldt Co., Cal.—Election will be held March 7 in Fortuna Elementary School District to vote bonds of \$35,000 to finance erection of a new school. Trustees of the district are: Mary M. Morgan, P. A. Hugo and Francis M. Bruner. Norman Coulter, 46 Kearny St., San Francisco, architect.

SAN JOSE, Santa Clara Co., Cal.—Election will be held March 17 in Franklin School District to vote bonds of \$45,000 to finance erection of a new school building. Trustees of the district are: H. H. Titcomb, A. B. Anderson and Catherine L. Wool. W. H. Weeks, Hunter-Dubin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose, architect.

JANESTOWN, Tuolumne Co., Cal.—Voters in the Jamestown School District will shortly select a site on which to erect a new grammar school. Two bond elections calling for an expenditure of \$17,000 to finance the new school have been defeated, but, it is thought, to failure of the voters to favor the site.

KETTLEMAN CITY, Kings Co., Calif.—Second election will be held shortly in Sunset School District to vote bonds of \$15,000 to finance erection of a new school building. Previous election carried but was declared illegal. Plans for the structure have been completed by Architect E. W. Petersen, Mason Bldg., Fresno.

VALLEJO, Solano Co., Cal.—Andrew P. Hill, chief of the state division of schoolhouse planning, in a report to the Board of Education, recommends the construction of a new junior high school building as a solution to the over-crowded conditions in local schools. A structure costing \$230,000 on a 10-acre tract in the eastern section of the city is proposed. Bonds

would be voted to finance construction.

CHURCHES

Complete Bid Listing — Contract Awarded.

CHURCH Cost, \$34,157
UKIAH, Mendocino Co., Cal.
Two-story solid brick (brick veneer) walls church.
Owner—Ukiah Methodist Church (K. C. Eversole, chairman of Building Committee, Ukiah.
Architect—Rollin S. Tuttle, Box C, Los Gatos.
Contractor—The Minton Co., Palo Alto and Mt. View.

Complete list of bids received follows:
Minton Co., Palo Alto.....\$34,157
Sorenson & Haagmark, San Francisco.....\$34,790
Sullivan & Sullivan, Oakland.....\$34,790
A. Frederick Anderson, Oakland.....\$34,944
C. Cedarborg, Oakland.....\$36,770
Albert Staton.....\$36,875
Thos. Cuthbertson.....\$35,540
J. W. Cobby & Son, San Francisco.....\$35,960
C. W. Gibson.....\$39,918
W. Singleton.....\$39,988
J. S. Hannah, San Francisco.....\$41,713
G. Magnuson, San Francisco.....\$42,990
Above bids do not include pews and other furnishings, no art glass, which will probably cost \$3,500 additional.

Plans Being Prepared.
CHURCH Cost, \$50,000
BURLINGAME, San Mateo Co., Cal.
One- and two-story frame and stucco church.
Owner—Burlingame Baptist Church.
Architect—Willis Polk Co., 277 Pine St., San Francisco.

Preliminary Plans Being Prepared.
CHURCH Cost, \$20,000
EUREKA, Humboldt Co., Calif.
One-story redwood church (Colonial type).
Owner—First Methodist Church.
Architect—Rollin S. Tuttle, Box C, Los Gatos.

FACTORIES AND WAREHOUSES

Plans Being Prepared.
MFG. PLANT Cost, \$75,000
WATSONVILLE, Santa Cruz Co., Cal.
One-story brick Vitamin manufacturing plant.

Owner—Letsline Vitamin Co., Inc., Watsonville.
Plans by Mr. Brositt, Eng. Dept., Chas. Dickens & Staff, 4 Key Rt. Arcade, Oakland.
Incorporators are: Dr. Chas. Dickens of Oakland; H. F. Boyer, James T. Mann, Harry B. Sears, Ned E. Strong and James R. Cutler of Watsonville, and W. W. Benchley of Oakland, oleomargarine manufacturer.

Excavating Bids Wanted.
MFG. PLANT Cost, \$5,000,000
LONG BEACH, Los Angeles Co., Cal.
Large manufacturing plant.
Owner—Proctor & Gamble.
Architect—Stone & Webster, Laughlin Bldg., Los Angeles.

Plans being completed and bids will be taken soon for pile driving and twenty-six other segregated contracts. Plant will include six-story reinforced concrete main building, 400x100 feet, and two other buildings of five stories, 100 x 135 feet, probably steel frame construction and reinforced concrete power house.

RINO, Nev.—Western Pacific Railroad is understood to have selected a site in E 4th St. for the proposed new freight depot for which funds have

been provided in the 1930 budget. The structure will be of class A construction with covered platforms and will cost \$45,000. An electric traveling crane will be installed.

Plans Being Completed.
FACTORY Cost, Approx. \$300,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.

Extension to present three-story building and new brick, steel and concrete factory.
Owner—Consolidated Chemical Industries, San Francisco.
Architect and Contractor—Austin Co. of California.
Sub-bids will be taken in about one week.

Bids Opened.
BLDG. Cost, \$—
SAN FRANCISCO. SE 17th and Connecticut Sts.
One-story and mezzanine floor steel frame and concrete industrial bldg.
Owner—Polson Street Iron Works.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg.
Mission Concrete Co., 270 Turk Street.....\$13,450
G. P. W. Jensen.....14,695
C. C. W. Haun.....14,990
Barrett & Hilp.....15,236
R. Harms.....15,268
Adam Arras Co.....15,280
Leibert & Trobeck.....15,907
H. H. Larsen.....15,973
Jacks & Irvine.....15,996
Monson Bros.....17,320
Bids held under advisement.

Plans Being Prepared.
PLANT Cost, \$30,000
ALAMEDA, Alameda Co., Cal. Blanding Ave. near Oak St.
Distributing plant.
Owner—United States Refinery Co., 111 W 7th St., Los Angeles.
Engineers—Eng. Dept. of Owners, 111 W 7th St., Los Angeles.

Planned.
PLANT Cost, \$—
WILMINGTON, Los Angeles Co., Cal.
Ship building plant (latest machinery for semi- and automatic steel welding) and two cruisers.
Owner—Welded Steel Shipbuilders, Ltd., Wilmington.
Architect—None.

NEVADA CITY, Nevada Co., Cal.—Reconstruction of the California Pine Products Company's plant, recently destroyed by fire, has been started. New equipment will be installed.

Sub-Contracts Awarded.
ADDITIONS Cost, \$—
BERKELEY, Alameda Co., Cal. 4th and Cedar Sts.
Additions to present plant and complete construction of spur track.
Owner—Pacific Paint & Varnish Co., premises.
Architect—Not Given.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.
Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.
Electric Wiring—Alta Electric Co., 923 Howard St., San Francisco.
Sprinkler System—Star Sprinkler Co., 80 Natoma St., San Francisco.

Reinforced Material Contract Awarded
COACH SHED Cost, \$—
FRESNO, Fresno Co., Cal.
Reinforced concrete coach shed, composition roof, iron fencing.
Owner—Southern Pacific R. R. Co., 25 Market St., San Francisco.
Architect—Eng. Dept. of Owners (W. H. Kirkbride, Eng.)
Contractor—Standard Const. Co., 135 Stevenson St., San Francisco.
Rein. Steel—Gunn, Carle & Co., 444 Market St., San Francisco.

Sub Bids Being Taken.
DAIRY Cost, \$14,000
SAN JOSE, Santa Clara Co., Cal.
Race St.
One-story reinforced concrete wholesale dairy.
Owner and Builder—L. C. Rossi, 965 Willow Glen Way, San Jose.
Architect—Wolfe & Higgins, Realty Bldg., San Jose.

SANTA ROSA, Sonoma Co., Cal.—Woodworking and blacksmith shop of J. W. Andrews & Sons, at Second and B Sts., destroyed by fire Feb. 22 with a loss of \$10,000 of which \$2,500 is covered by insurance, \$1,000 on plant equipment and \$1,500 on the building.

Preparing Working Drawings.
FACTORY Cost, \$—
SAN FRANCISCO, NW Seventh and Brannan Sts. (110x160 ft.)
Two-story, basement and mezzanine floor brick factory.
Owner—N. A. Petersen, president California Supply Co.
Architect—J. Kraft & Son, Phenax Bldg., San Francisco.
Plans will be ready for bids in about two weeks.

Completing Plans.
MFG. PLANT Cost, \$200,000
OAKLAND, Alameda Co., Cal. Fourteenth & Poplar Sts. (180x170 ft.)
Two-story reinforced concrete manufacturing plant.
Owner—American Creamery Co., J. A. Silveria, President, 1433 Cypress Ave., Oakland.

Architect—Eng. Dept. of Owner.
Work will be done by day's labor by owners. New equipment will be installed.
Capacity will be 10,000 pounds of butter, 5000 gallons of ice cream and from 10,000 to 15,000 gallons of milk daily. Present Oakland plant on Cypress Ave. near Fourteenth St., will be converted into machine shop.
Plans will be ready for figures in about two weeks.

Plans To Be Prepared.
ALTERATIONS Cost, \$—
SAN FRANCISCO. SE Brannan and Gilbert Sts.
Remodel present three-story concrete bldg. (80x120 ft.)
Owner—Louis R. Luria, 315 Montgomery St., San Francisco.
Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.
Lessee—Consolidated Paper Box Co.

Contract Awarded.
WAREHOUSE Cost, \$37,000
OAKLAND, Alameda Co., Cal. E 4th Ave. and SE 14th St.
Three-story brick factory and warehouse.
Owner—Bovertown Burlal Casket Co., E. 11th and 4th Ave., Oakland.
Contractor—Ralph McLeran Co., Hearst Bldg., San Francisco.

TULARE, Tulare Co., Cal.—Construction has been started on remodeling and additions to the plant of the Tulare Creamery at L and Inyo Sts. Approximately \$10,000 will be expended in construction and the purchase of additional equipment. Geo. Nielsen is manager of the plant.

ARBuckle, Colusa Co., Cal.—Grain growers in this district are considering a proposal to finance erection of a grain elevator similar to those now located at Grimes and Graine. Professor E. L. Walker of the University of California College of Agriculture at Davis, and T. A. Kilkenny of Dixon, are conferring with the growers in connection with the project.

Plans Being Prepared.

WAREHOUSE Cost, \$—
OAKLAND, Alameda Co., Cal. 14th Ave. and E. 14th St.
Three-story factory and warehouse (wood and steel frame, rein. concrete and hollow tile construction).
Owner—Caldow Paint Co., 1422 14th Ave., Oakland.
Architect—Chas. McCall, 1404 Franklin St., Oakland.

Additional Sub-Contracts Awarded.

ADDITIONS Cost, \$—
BERKELEY, Alameda Co., Cal. 4th and Cedar Sts.
Additions to present plant and complete construction of spur track, etc.

Owner—Pacific Paint & Varnish Co., Premises.

Architect—Not Given.

Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

Steel Sash—Truscon Steel Co., Call Bldg., San Francisco.

Plumbing—Scott Co., 213 Minna St., San Francisco.
As previously reported, reinforcing steel to Truscon Steel Co., Call Bldg., S. F.; electric wiring to Alta Electric Co., 925 Howard St., S. F.; sprinkler system to Star Sprinkler Co., 80 Natoma St., S. F.

Contract Awarded—Sub-Bids Wanted.
GROUP BLDGS. Cost, \$246,000
RICHVALE, Butte Co., Cal.
Group of eight concrete and steel buildings.

Owner—Pacific Coast Pulp & Paper Corp.

Plans by E. C. Swan, Portland, Ore.
Contractor—Chas. S. Mabrey Co., Inc., 1001 45th St., Sacramento, and Oakland.

Bids are wanted on concrete, miscellaneous items, includ. 50,000 gallon water tank, on 100 ft. tower, 150-ft. smoke stack 6 ft. across top, of steel construction. Construction on this project has been started.

OAKLAND, Cal.—Jean Caballero authorized by city council to install a 100-h. p. boiler at 3127 San Pablo Ave. to be used in connection with a steam laundry.

Plans To Be Prepared.

MILK PLANT Cost, \$—
SACRAMENTO, Sacramento Co., Cal. S of Y St. (industrial tract).

Powdered milk and ice cream powder plant (height and type of construction not decided).

Owner—Federal Milk Co., Van Ness Ave. and Market St., San Francisco.

Architect—Not Selected.

Contract Awarded.

BLDG. Cont. price, \$13,450
SAN FRANCISCO. SE 17th and Connecticut Sts.

One-story and mezzanine floor steel frame and concrete industrial bldg.

Owner—Folsom Street Iron Works.
Architect—T. W. Lenzen, Humboldt Bank Bldg.

Contractor—Mission Concrete Co., 270 Turk St.

Bids Opened.

STOCK BLDG. Cost, \$250,000
SACRAMENTO, Sacramento Co., Cal. State Fair Grounds.

One-story steel frame, brick and concrete live stock building.

Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Structure will have steel frame with brick and concrete walls, concrete floor and tile and composition roof and will cover an area of 65,600 sq. ft.

Following is a complete list of bids:

General Contract

Alt. (1) add for mastic floor; Alt. (2) add for two extra sections; Alt. (3) add for mastic flooring in two extra sections.

Wm. C. Keating, Forum Bldg., Sacramento, \$103,940; (1) \$3,800; (2) \$10,000; (3) \$525.
McGivray Const. Co., Sacramento, \$105,149; (1) \$2,915; (2) \$9,753; (3) \$388.
Campbell Const. Co., Sacramento, \$106,420; (1) \$1,715; (2) \$9,820; (3) \$256.

Sorensen & Hagmark, San Francisco, \$107,700; (1) \$4,200; (2) \$11,000; (3) \$500.

Spivock & Spivock, San Francisco, \$111,200; (1) \$3,000; (2) \$12,800; (3) \$500.

J. W. Cobby & Son, San Francisco, \$111,711; (1) \$2,050; (2) \$3,140; (3) \$280.

K. E. Parker, San Francisco, \$113,760; (1) \$2,900; (2) \$12,500; (3) \$400.

Azeveda & Sarmento, Sacramento, \$114,500; (1) \$3,428; (2) \$12,800; (3) \$112.

F. H. Betz, Sacramento, \$111,900; (1) \$3,243; (2) \$10,660; (3) \$431.

Jacobs & Pattiani, Oakland, \$112,470; (1) \$3,399; (2) \$11,765; (3) \$474.

Thomas B. Hunt, Sacramento, \$118,028; (1) \$2,085; (2) \$11,736; (3) \$303.

MacDonald & Kahn, San Francisco, \$118,847; (1) \$5,000; (2) \$11,327; (3) \$660.

David Nordstrom, Oakland, \$119,443; (1) \$2,550; (2) \$12,000; (3) \$432.

Mathews Const. Co., Sacramento, \$123,727; (1) \$2,331; (2) \$10,690; (3) \$300.

Plumbing

Alt. No. 1, add.
Luppen & Hawley, 3126 J St., Sacramento, \$9,444; (1) \$120.

Latourrette-Fical Co., Sacramento, \$10,050; (1) \$190.

Hately & Hately, Sacramento, \$10,621; (1) \$243.

F. A. McIntyre, Sacramento, \$11,350; (1) \$500.

Scott Plumbing & Electric Co., Sacramento, \$11,734; (1) \$160.

Lloyd H. Dahلمان, Sacramento, \$12,950; (1) \$450.

Electrical Work

Alt. No. 1, add.
Latourrette-Fical Co., 907 Front St., Sacramento, \$2,225; (1) \$175.

Chas. E. Vorlander, Sacramento, \$2,339; (1) \$315.

Apex Elec. Co., San Francisco, \$2,377; (1) \$239.

Eddy Electric Co., San Francisco, \$2,397; (1) \$240.

J. C. Holbecht Co., Sacramento, \$2,410; (1) \$210.

Scott Plumbing & Elec. Co., Sacramento, \$2,478; (1) \$226.

Luppen & Hawley, Sacramento, \$3,174; (1) \$195.

Bids held under advisement.

Sub-Bids In.

ADDITIONS Cont. Price, \$34,200
SAN FRANCISCO. Municipal Airport
Additions to Hangars Nos. 2, 3 and 4.

Owner—City and County of San Francisco.

Engineer—City Eng. Dept., City Hall.
Contractor—Spivock & Spivock, Hobart Bldg., San Francisco.

Sub-bids are in and upon approval of the city will be awarded.

OAKLAND, Calif.—Kenyon Electric Co., 526 13th St., Oakland, at \$8,750 awarded contract by City Port Commission to furnish and install electric wiring and equipment for light and power in Transit Shed No. 2 on the Outer Harbor Terminal.

BUTTONWILLow, Kern Co., Cal.—Schueter Cotton Gin, destroyed by Fire Feb. 21 with a loss of \$35,000. Plant was owned by Fred Schueter, cotton grower of western Kern County.

Steel Sash Contract Awarded.

CANNERY Total Cost, \$300,000
Including equipment
RICHMOND, Contra Costa Co., Cal. Bet. 10th and 14th Sts. N of Ford factory site.

One-story concrete cannery building. Owner—Ellce & Ferrelli, Gilroy.

Architect—Wm. Knowles, 1214 Webster St., Oakland.

Contractor—Chas. Stockholm & Son, Russ Bldg., San Francisco.

Steel Sash—Detroit Steel Products Co. Hunter-Dulin Bldg., San Francisco

As previously reported reinforcing steel awarded to Squire Steel Co., Rialto Bldg., San Francisco; plumbing to Feary & Moll, 1075 40th St., Oakland; lumber to Tilden Lumber Co., 1291 Delaware St., Oakland.

Preliminary Plans Being Prepared.
PLANT Cost, \$65,000

SAN JOSE, Santa Clara Co., Cal. NW First and W. Reid St.

One-story and mezzanine floor frame tire plant (88x183-ft.)

Owner—Firestone Tire & Rubber Co., 111 Townsend St., San Francisco.

Architect—Eng. Dept. of Owner.

Lessee—Fair-McQuoid Co., 397 S 1st St., San Jose.

Preliminary plans only are being prepared by owners. An architect will be selected at a later date.

Sub-Contracts Awarded.

MFG. PLANT Cost, \$50,000
SAN PABLO, Contra Costa Co., Cal.

One-story Class C brick manufacturing plant (26,000 square feet).

Owner—Rheem Mfg. Co., 4535 Horton St., Oakland.

Architect—Alben Froberg, Ray Bldg., Oakland.

Contractor—H. J. Christensen, Ray Bldg., Oakland.

Roofing—General Roofing Co., 3985 Beach St., Oakland.

Sprinkler System—The Mechanical Contracting Co., 85 Shipley St., San Francisco.

Electric Work—Pacific Electric Motor Co., Tenth and Oak Sts., Oakland.

Steel Rolling Doors—The J. G. Wilson Corp., 605 Market St., San Francisco.

Sheet Metal—Edgar W. Anderson Co., 3103 San Pablo Ave., Oakland.

Contract Awarded.

WAREHOUSE Cost, \$23,000
THORNTON, Sacramento Co., Cal.

One-story concrete, tile and wood Class C warehouse approx. 35,000 square feet.

Owner—Sacramento Valley Packing Company.

Engineer—S. S. Gorman, Merchants' Exchange Bldg., San Francisco.

Contractor—Lindgren-Swinerton, Inc., 225 Bush St., San Francisco.

GARAGES AND SERVICE STATIONS

EUREKA, Humboldt Co., Cal.—J. J. Hunnacutt, Eureka, seeks permit from city council to install a 1,000-gallon gasoline storage tank at Fourth and D Sts. Dr. Stephen Fleming seeks permit for 120-gal. tank at 1934 H St. Referred to City Building Inspector J. W. Calkins.

Contract Awarded.

GARAGE Cost, \$40,000
SAN JOSE, Santa Clara Co., Calif. Market and Balbach Sts.

Two-story steel frame and concrete garage.

Owner—Paul Masson, San Jose.

Architect—Binder & Curtis, 35 W San Carlos St., San Jose.

Lessee—Piochetti Bros. and Co., Nash dealers, San Jose.

Contractor—Thermotite Const. Co., Inc., 390 Stockton Ave., San Jose.

OAKLAND, Cal.—Associated Oil Co. 2395 Webster St., seeks authorization of city council to erect a service station at SW intersection of Wesley Ave., Trestle Glen Road, and Lakeshore Ave. Referred to Fire Marshal for report.

Permit Applied For.
SERVICE STATION Cost, \$10,000
FRESNO, Fresno Co., Cal. 5 N Van Ness Ave.
Service station.
Owner—Union Oil Co., premises.
Architect—Eng. Dept. of Owner.

Contract Awarded.
GARAGE Cost, \$—
OAKLAND, Alameda Co., Cal. 2145 35th Ave.
One-story concrete and brick public garage and auto repair shop
Owner—J. C. Allegritti, 2145 35th Ave., Oakland.
Plans by J. C. James.
Contractor—J. C. James, 1601 87th Ave., Oakland.

OAKLAND, Cal.—John DeLancey, Oakland, granted permit by City Council to erect and maintain a service station at NE 17th and Jefferson Sts., also to install 1000-gal. oil storage tank. Station will be of steel construction, 6x16 ft., 11½ ft. high.

OAKLAND, Cal.—D. Canepa, authorized by city council to erect and maintain a service station and auto repair shop at n. e. 17th and Center streets; will be hollow tile and concrete construction, 24 by 35 ft., one-story.

Contract Awarded.
SERVICE STATION Cost, \$16,000
exclusive of equipment.
FRESNO, Fresno Co., Cal. SE Calaveras St. and Van Ness Ave.
Mission type service station and accessory shops, tile roof; 100x150 ft.
Owner—Brix Rubber Co.
Architect—Not Given.
Contractor—J. T. Cowan, 750 Elizabeth St., Fresno.
Equipment costing \$5000 will be installed.

Plans Being Completed.
STATION Cost, \$—
SANTA CLARA, Santa Clara Co., Cal. Alameda and Bellomy Sts.
Gasoline service station (35 ft. frontage).
Owner—Union Oil Co. of Calif., Mills Bldg., San Francisco.
Architect—Eng. Dept. of Owner.
Bids will probably be called from local contractors and it is expected to start construction within 30 days.

Plans Being Completed.
STATION Cost, \$—
SAN JOSE, Santa Clara Co., Cal. SE Julian and First Sts.
Gasoline service station.
Owner—Union Oil Co. of Calif., Mills Bldg., San Francisco.
Architect—Eng. Dept. of Owner.
Bids will probably be called from local contractors and construction is to be started in thirty days.

Construction Started.
GARAGE Cost, \$10,000
SAN MATEO, San Mateo Co., Cal. No. 68 Bayshore Ave.
One-story concrete garage.
Owner & Builder—Fred Pattison, 204 Fourth St., San Mateo.
Plans by Owner.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—(By Special Wire)—Clinton Const. Co., San Francisco, at \$1,127,388 submitted low bid to Supervising Architect, Treasury

Department, to construct the main building, attendants' quarters and boiler house and laundry at the U. S. Marine Hospital, San Francisco Presidio. Mahony Bros., San Francisco, second low at \$1,189,800, and K. E. Parker Co., San Francisco, third low at \$1,147,431.

Otis Elevator Co., San Francisco, at \$20,799 low for elevators. Kimbell Brothers Co., Council Bluffs, Iowa, at \$22,240 second low, and Spencer Elevator Co., third low at \$35,870.

A complete list of the bids on this project will be published shortly.

SAN FRANCISCO.—F. W. Snook, 596 Clay St., at \$1,558 submitted lowest bid to Public Officer, Twelfth Naval District, 100 Harrison St., to improve toilet facilities at Building No. 11, Receiving Ship Station, involving plumbing fixtures, supply, waste and vent piping and all necessary fittings. Work is provided for under Specification No. 6066.

Following is a complete list of the bids:

F. A. Snook.....	\$1,558
Scott Company.....	1,587
E. Sugarman.....	1,593
Mechanical Contracting Co.....	1,640
O'Mara & Stewart.....	2,075
Wm. Wara.....	2,170

Bids referred to Washington for award.

SAN FRANCISCO.—Until March 10, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to resurface road at Fort Winfield Scott. Specifications obtainable from above.

See call for bids under official proposal section in this issue.

SAN FRANCISCO.—Until March 11, 10 A. M., under Schedule No. 928-30-209, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 200 brass or bronze case padlocks, tumbler type, size 1¼-in. with 9-in. brass or bronze chain; 50 seamless condenser tubes, Admiralty metal, not tinned, ¾-in. outside dia. by 10 ft. 2½ in. long, No. 18 Birmingham wire gauge. Further information obtainable from above.

WASHINGTON, D. C.—(By Special Wire)—Jansen Hansen, Honolulu, at \$23,119 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., Feb. 26, under Specification No. 6005 for refrigerating plant and alterations and additions to existing wood frame building at Naval Operating Base (Air Station), Pearl Harbor, T. H.

SACRAMENTO, Cal.—Until March 6, 11 A. M., under Order No. 1720-HMR, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver RioVista, Solano County, 8 fire extinguishers, 2½-gal. polished copper, "Elkhart," Thompson Diggins Cat. No. 26 or equal; 12 fire extinguishers, 1-qt. size, polished brass, with brackets, "Pyrent" or equal; 2 re-fills for former and 6 re-fills for latter; one length, 50-ft. ¾-in. 4-ply duck water hose. Further information obtainable from above.

SACRAMENTO, Cal.—Until March 6, 11 A. M., under Proposal No. 30-286, Specification No. 1710, bids will be received by U. S. Engineer Office, California Fruit Bldg., for removal of sunken vessels "Brunwood" and "Burnham." Further information obtainable from above.

WASHINGTON, D. C.—(By Special Wire)—Otis Elevator Co., Washington, D. C., at \$20,799 submitted low

bid to Supervising Architect, Treasury Department, to install elevators in additions to U. S. Marine Hospital to be erected in the San Francisco Presidio. Next two low bidders were: Kimbell Bros. Co., Council Bluffs, Iowa, \$22,240; Spencer Elevator Co., San Francisco, \$25,870. Complete list of bids will be published shortly.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Purchasing Officer, 100 Harrison St., San Francisco:

Bids Open March 11
Sch. 2913, San Diego, 100 metal propeller blades.

Sch. 2906, San Diego, 672 deck scrubbing brushes; Mare Island, 4200 do; Puget Sound, 4500 do.

Sch. 2907, Mare Island, 360 file cleaners.

Sch. 2901, Puget Sound, 5 motor-driven heavy duty lathes.

Sch. 2888, western yards, water gage glasses.

Sch. 2893, western yards, squirt cans and feeders.

Sch. 2897, western yards, steel wire cleaning brushes.

Sch. 2884, Mare Island, 40,000 lbs. boiler compound; Puget Sound, 10,000 lbs. do.

Sch. 2892, Puget Sound, 12,000 feet rubber air hose.

Sch. 8291, San Diego, 3 cameras, 36 cut film holders; San Diego, 6 camera lens, 3 developing outfits, 60 film developing hangers, 3 dry mounting presses, 3 trimmers and 3000 negative preservers.

Sch. 2885, Mare Island, 10 fire extinguishing systems; Puget Sound, 10 do.

Sch. 2890, Mare Island, 3240 ft. magnesia pipe covering, 10,000 sq. ft. block magnesia.

Sch. 2904, western yards, brushes; paint, varnish, etc.

Sch. 2918 western yards, iron or steel boat chains.

Sch. 2894, eastern and western yards, 7080 dauhers; Puget Sound, 210 do.

SAN FRANCISCO.—Until March 7, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for repairs to hot water heating system in Officers' Quarters and Administration Building at Fort Barry. Spec. obtainable from above.

See call for bids under official proposal section in this issue.

SAN FRANCISCO.—Until March 10, 10 A. M., under Schedule No. 928-30-207, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 6,000 lin. ft. 10-in. water pipe; bell and spigot, centrifugally cast iron in lengths to lay 12- or 15-ft.; one c. i. 12- to 10-in. reducer (standard 18-in. in length) for above pipe with hub on large end and spigot on small end; one Y branch, 10x10x12 for above pipe (standard pattern, with angle of the branch to the line being 45°). Further information obtainable from above.

PHOENIX, Ariz.—Until March 6, 2 P. M., bids will be received by Phoenix Indian School, Phoenix, to furnish 116 inside mortice three tumbler lock sets with escutcheons and knobs, dead black finish, all to be mastered keyed and furnished with five keys. Forty pair to be 4x4 BB-WS-LP butts; 80 pair 4x4 WS-LP butts; 37 pair 3½x3½; 30 pair 2½x2½. Bids will be considered for delivery at bidder's plant and f. o. b. Phoenix.

SACRAMENTO, Cal.—Until March 4, 11 A. M., under Order No. 1714-1609, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, 1 piece hammer lapwelded pipe, ¾-in. thick steel plate, 22-in. outside diameter and 5 ft. 11 in. long with skin coat turned off to a 21½-in. outside diameter from each and for a distance of 4 inches. Also one piece lapwelded pipe, ¾-in. thick steel plate, 22-in. outside dia., and 12 ft. 6 in. long, with a skin coat turned off to a 21½-in. outside dia., from each end for a distance of 4 inches. Further information obtainable from above.

PHOENIX, Ariz.—Until March 10, 2 P. M., bids will be received by Phoenix Indian School to furnish and deliver 600 sacks hardwall plaster in paper sacks containing 100 lbs. to sack. Delivery f. o. b. bidder's plant or Phoenix.

SACRAMENTO, Cal.—Until March 4, 11 A. M., under Order No. 1717-1610, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, leather belting cup leathers; boat spikes; steel covered flints; iron rivets; brass screws; set screws; stove bolts, etc. Further information obtainable from above.

SAN FRANCISCO.—Until March 4, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to install pump and motor in pump house at Fort Barry. Specifications obtainable from above.
See call for bids under official proposal section in this issue.

SITKA, Alaska.—Until April 15, bids will be received by Bureau of Yards and Docks, Puget Sound, Wash., for painting radio towers at Sitka, Alaska. Plans and further information obtainable from above office.

PACIFIC COAST.—Following contracts awarded by Bureau of Yards and Docks, Navy Department, Washington, D. C., for work at Pacific coast points:

Spec. 5384, double quarters, naval radio station, Wailupe, Oahu, T. H., H. C. Wise, Jr., care of Allen & Robinson, Ltd., Honolulu, item 1, \$7,650, 150 calendar days.

Spec. 5332, extension of erection shop and battery and metal shop, naval operating base, San Diego, Calif., Anton Johnson Co., Inc., 517 El Centro St., South Pasadena, Calif., items 3 and 5 (c) \$146,400, as specified.

Spec. 6028, garages for officers quarters, naval operating base, San Diego, R. H. Jones Co., 504 K Ave., National City, Calif., item 1, \$7,950, 90 calendar days.

Spec. 6061, inclosing exercise yard, naval operating base, San Diego, Calif., Southern California Fence Co., 3551 Whittier Blvd., Los Angeles, Calif., item 1, \$1,450, 60 calendar days.

Spec. 6089, San Diego, toilet room at naval hospital, R. H. Jones Co., National City, Calif. \$1,329.

DENVER, Colo.—N. P. Severin Co., 22 W Adams St., Chicago, at \$747,900 time for completion 540 days, awarded contract by Supervising Architect, Treasury Department, Washington, D. C., to erect customhouse at Denver. Contract covers all work except elevator inclosure entrances.

HAWTHORNE, Nev.—Until March 6 (date extended from March 12), bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 1908, for chimney to be erected at the Naval Ammunition Depot, Hawthorne.

The work consists of a chimney that shall be 4 feet inside diameter at the top by 100 feet high, constructed of reinforced concrete, and shall have a fire brick lining in the lower 70-foot portion, openings for flues, ladder on the outside, cleantout door, and lightning protection. When available, plans and specifications may be obtained from the District Public Works Officer Room 513, 100 Harrison St., San Francisco, Cal., upon deposit of \$10 check or postal money order payable to the Chief of the Bureau of Yards and Docks.

PEARL HARBOR, T. H.—Until Mar. 12 (date extended from March 5) under Spec. No. 5921 bids will be received by Bureau of Yards and Docks Navy Department, Washington, D. C., for extension of motor testing building at the naval operating base (air station), Pearl Harbor, T. H. Work includes earthwork, concrete, steel and iron work, tubular steel and hollow metal doors, steel windows, roofing and sheet metal work, woodwork, hardware, glazing, painting, and electric lighting.

PHOENIX, Ariz.—Until March 5, 2 P. M., bids will be received by Superintendent, Phoenix Indian School, to furnish f.o.b. bidder's plant and f.o.b. Phoenix, Ariz., six No. 37 steel doors and frames, 3-ft. by 7-ft., 5 open out hinge to the left and one open out hinge to the right; 3 No. 48 steel doors and frames, 3-ft. 10½-in. by 7-ft. 9-in., two open out hinge to the left and one open out hinge to the right. To be furnished with hardware consisting of extra heavy duty hinges and locks. Locks of mortise cylinder type, master keyed, Yale door check or equal.

SAN FRANCISCO.—R. P. Paoli and Co., 3159 Fillmore St., awarded painting contract for Nurses' dormitory and basement of Wards Nos. 7 and 9 at Letterman General Hospital, by Constructing Quartermaster, Fort Mason. Piedmont Pacific Decorating Co., Oakland, awarded contract for field kitchen and mess halls. Complete list of bids published in issue of Feb. 13th.

PEARL HARBOR, T. H.—Until Apr. 2, 11 A. M., under Specification No. 6087, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for refrigerating display cases and for an automatic refrigerating machine, complete with all accessories, at Naval Operating Base (Navy Yard) Pearl Harbor. Specifications obtainable from the Bureau at Washington or the Commandant at the Naval Operating Base, Pearl Harbor, or the Commandant of the Navy Yard at Mare Island, Calif., on deposit of \$5, payable to Chief of Bureau of Yards and Docks. Deposit is returnable.

See call for bids under official proposal section in this issue.

PHOENIX, Ariz.—Until March 10, 2 P. M., bids will be received by Superintendent, Phoenix Indian School, to furnish and deliver materials to form a complete sign system as follows (numbers taken from catalog 16 of Edwards and Co., New York City):
25 No. 7041 Nurses' Annunciators, Two lights each.
One No. 7070 Heavy Duty Transformers, 250 watt. Prim. 110 V. 60 cye.
Sixty-seven No. 7011 Calling Stations, locking button type, ward calling stations, 1 cord, complete with cords.

Twenty No. 7031 Dome type corridor lamp station, 1 lamp.
Sixteen No. 7093 Louvered type night light, white enamel.
Eight thousand ft. No. 16 R. C. single strand wire.

SEATTLE, Wash.—Until March 12 (date previously set Feb. 26) bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6053, to erect shop building, approximately 260 by 100 ft., and one-story storehouse, approximately 200 by 100 ft., having concrete foundations and floors, steel framing, brick and hollow tile walls, and built-up roofing, and a concrete seaplane runway at the naval air station, Seattle, Wash.; deposit of \$25 required for plans, obtainable from bureau.

HALLS AND SOCIETY BUILDINGS

Sub-Contracts Awarded.
CLUB Contract price, \$287,000
SACRAMENTO, Sacramento Co., Cal.
Ninth and M Sts., facing Capitol Square

Four-story reinforced concrete club building.
Owner—Sutter Club.

Architect—Dean and Dean, California State Life Bldg., Sacramento, and Stark & Flanders, Oschner Bldg., Sacramento, Associated.

Contractor—George D. Hudnutt, Inc., 1315 S St., Sacramento.
MILL WORK—Friend & Terry, 2nd and S Sts., Sacramento.

Steel Sash—Michel and Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.

Owners will take bids on elevators, painting, glazing and kitchen equipment shortly.

As previously reported, heating and ventilating awarded to Latourette-Fical Co., 907 Front St., Sacramento; plumbing and electric work to Luppen & Hawley, 3216 J St., Sacramento; concrete piles to Raymond Concrete Co., Hunter-Dulin Bldg., San Francisco.

Plans Being Completed.
GYMNASIUM Cost, \$35,000
VALLEJO, Solano Co., Cal. York and Santa Clara Sts.

One-story gymnasium (type of construction not decided; 90x56 ft.)
Owner—Naval Y. M. C. A. (W. T. Wilkie, manager), Vallejo.

Bids by Owner.
Plans will be taken some time in March.

Contract Awarded.
Y. M. C. A. BLDG. Cost, \$46,695
EAST LONG BEACH, Los Angeles Co., Calif. Tenth and Belmont Sts.

Two-story brick and stone Y. M. C. A. building.
Owner—Young Men's Christian Assn. Architect—Hugh R. Davies, 424 East Ocean Ave., Long Beach.
Contractor—Beswick Const. Co., 230 Newport St., Long Beach.

Bids to Be Taken Feb. 28th; To Be Opened March 10th.

AUDITORIUM—Cost, 1st unit, \$150,000 (Total Cost, \$500,000)
RENO, Nevada. First and Chestnut Streets.

Two-story and basement class A concrete and steel Scottish Rite Auditorium.

Owner—Scottish Rite Masonic Temple Association.

Architect—Carl Werner and S. Helman associated, 605 Market St., San Francisco.

Bids will be received by Architects.

Bids Under Advisement.
MEMORIAL BLDG. Cost, \$—
CORNING, Tehama Co., Calif. Solano St. and Houghton Ave.
Brick memorial building.
Owner—County of Tehama.
Architect—Starks & Flanders, Forum Bldg., Sacramento.

Low Bidders—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco, at \$34,999.

NOTE—No action will be taken with regard to the bids received until September 8th, 1930, according to an announcement of the Tehama county supervisors.

HOSPITALS

Preliminary Plans Prepared.

HOSPITAL Cost, \$750,000
LONG BEACH, Los Angeles Co., Cal.
Linden Ave. and Tenth St.

Ten-story class A hospital.
Owner—Sisters of Charity of the Incarnate Word.

Architect—J. E. Loveless, 211 Robertson Bldg., Beverly Hills.

Plans Being Completed.

LABORATORY BLDG. Cost, \$30,000
with equipment
SAN FRANCISCO. Sutter and Scott Streets.

One-story frame and stucco laboratory building.

Owner—Mt. Zion Hospital, Premises.
Architect—Arthur Brown, Jr., 251 Kearny St., San Francisco.

Bids will be taken in about ten days.
FRESNO, Fresno Co., Cal.—County supervisors contemplate erection of an addition to the Old Peoples' Home. It is expected that \$15,000 will be appropriated at once to finance the structure.

SANTA CRUZ, Santa Cruz Co., Cal.—Fresno-Santa Cruz Investment Co. has secured site at 192 Walnut Ave., opposite the high school, and will erect a modern maternity hospital costing \$40,000. A similar structure is planned at Fresno. Mrs. May Kincaid of Santa Cruz is interested in the project.

Plans Being Figured — Bids Close March 10, 10 A. M.

DETENTION HOME Cost, \$30,000
SALINAS, Monterey Co., Cal.

One-story reinforced concrete county detention home with tile roof (accommodations for 20 children).

Owner—County of Monterey.
Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.

Plans are on file in the office of the county clerk at Salinas and are obtainable from the architects.

SAN FRANCISCO.—F. J. Reilly, 6350 Fulton St., at \$9,581 awarded contract by Board of Public Works to construct film storage vault on roof of San Francisco Hospital at 21st and Potrero Ave.

Preparing Working Drawings.

MOTHER HOUSE Cost, \$95,000
MISSION SAN JOSE, Alameda Co.

Three-story reinforced concrete Spanish type Mother House (stucco exterior, tile roof; main facade 136 ft. long).

Owner—Femal Religious of the Order of Saint Dominic.

Architect—Arnold Constable, 580 Market St., San Francisco.

Structural Engineer—W. Adrian, 417 Market St., San Francisco.

Mechanical Engineer—Coddington Co., 222 Kearny St., San Francisco.

Bids will be taken in about 6 weeks

HOTELS

Contract Awarded.

HOTEL Cost, \$115,000
EDEN HOT SPRINGS, Riverside Co.
Two-story brick and concrete hotel (50 rooms) and 3 frame and stucco bungalows.

Owner—Eden Hot Springs, Ltd.
Architect—S. Chas. Lee, Petroluem

Securities Bldg., Los Angeles.
Contractor—Gregory R. Evans, 118 N. Highland Ave., Los Angeles.

Excavating, Concrete and Carpentry Contracts Awarded.

ADDITION Cost, \$60,000
EUREKA, Humboldt Co., Cal.

Addition to present hotel (English half timber construction).

Owner—Eureka Inn.
Engineer—Frederick Whitton, 369 Pine St., San Francisco.

Contractor—Mercer-Fraser Co., Eureka, \$10,500.

Bids are being taken on other portions of the work. Work consists of coffee shop, kitchen, laundry and new street front.

Plans Being Figured—Bids Close March 1st.

ALTERATIONS Cost, \$30,000
SANTA ROSA, Sonoma Co., Cal. Occidental Hotel.

Alterations and additions to hotel (24 rooms).

Owner—Leonard Howarth, Healdsburg Highway, Santa Rosa.

Architect—Arthur S. Bugbee, 1462 Lombard St., San Francisco.

To Be Done By Day's Work.

ADDITION Cost, \$20,000
WILLITS, Mendocino Co., Cal. Hotel Van.

Brick and steel addition to present hotel (54x125 feet).

Owner—Hotel Van (G. Van Cleemput, Manager), Willits.

Architect—L. H. Thomas, 3742 Grand Ave., Oakland.

Contractor—G. Van Cleemput, Willits.
Construction has been started.

SAN FRANCISCO—Rumors are current that the Plaza Hotel, Post and Stockton Sts., will be sold to the Ritz Carlton interests of New York, which proposes to demolish the structure and build on the site "the largest hotel in San Francisco."

POWER PLANTS

OAKLAND, Cal.—Until March 4, 5:30 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 Sixteenth St., to construct and furnish f. o. b., 22nd and Adeline Sts., Oakland, equipment for Claremont, Pleasant Valley and Vine Street Pumping

Plants. Bids are being received under three schedules, as follows:

SCHEDULE 1

Claremont Pumping Plant

2 Pumping units, centrifugal pump, 1400 g p m; 250 h p, 1200 r p m motor, 3 phase, 60 cycles, complete.

2 Flanged gate valves for 200 lbs. working pressure, for suction of pump.

2 Flanged gate valves for 200 lbs. working pressure, for discharge of the pump.

2 Flanged check valves for 200 lbs. pressure for discharge of pump.

3 200 k v a, 6600 single phase, outdoor transformers.

15,000 volt, 400 ampere, triple pole, single throw outdoor type oil circuit breaker.

3 300 ampere, 15,000 volt, single pole, single throw, outdoor type disconnecting switches.

SCHEDULE 2

Pleasant Valley Pumping Plant

2 Pumping units, one horizontal shaft centrifugal pump, 1400 g p m at head of 360 ft. one 200 hp, 1200 r p m squirrel cage induction motor to operate on electric energy at 440 volts, 3 phase and 60 cycles, complete.

2 Flanged gate valves for 300 lbs. working pressure for suction of the pumps.

2 Flanged gate valves for 300 lbs. working pressure for discharge of the pumps.

2 Flanged check valves for 300 lbs. working pressure for discharge of the pumps.

15,000 volt, 300 ampere, triple pole, single throw, outdoor type oil circuit breaker.

3 300 ampere, 1500 volt, single pole, single throw, outdoor type disconnecting switches.

SCHEDULE 3

Vine Street Pumping Plant

3 Pumping units, each to consist of one horizontal shaft centrifugal pump, 1400 g p m at a head of 185 ft., one 100 h p, 1200 r p m squirrel cage induction motor to operate on electric energy at 440 volts, 3 phase and 60 cycles, complete.

3 Flanged gate valves for 150 lbs. working pressure for suction of the pumps.

3 Flanged gate valves for 150 lbs. working pressure for discharge of the pumps.

3 Flanged check valves for 150 lbs. working pressure for discharge of the pumps.

3 100 k v a, 6600 (11,000V) to 220-440 volts, single phase, distribution type, outdoor transformers.

15,000 volt, 400 ampere, triple pole

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single throw, outdoor type oil circuit breakers.
3 300 ampere, 15,000 volt, single pole, single throw, outdoor type disconnecting switches.
Specifications obtainable from Secretary.

UKIAH, Mendocino County, Calif.—Pacific Telephone & Telegraph Co. will start construction at once on rebuilt line between Ukiah and Boonville involving new poles, wires and other equipment.

STOCKTON, San Joaquin Co., Cal.—Pacific Telephone & Telegraph Co. will spend \$135,000 in new equipment in connection with the Stockton-Merced long distance line, it is announced by H. C. Britton, district manager for the company.

LOS ANGELES, Cal.—Until 2 P. M., March 10, bids will be received by the county supervisors to install two 500-hp. water tube boilers in the power house at Los Angeles General Hospital. Plans prepared by Karl Muck, county architect.

PALO ALTO, Santa Clara Co., Cal.—City council sets March 14 as date to vote bonds of \$135,000 to finance purchase of gas and electric distributing systems of Pacific Gas & Electric Co. in the Mayfield district; \$75,000 for gas plant and \$60,000 for power and lighting system. J. F. Bybee Jr., is city engineer.

LONG BEACH, Cal.—The Associated Telephone Co. has announced that \$3,000,000 will be expended in the Long Beach district during the next few years. Of this sum, \$1,500,000 will be expended during 1930. A branch exchange costing \$250,000 is now under construction, and the balance of the million and a half will go into betterments.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans Being Prepared.
COUNTY JAIL Cost, \$—
SAN JOSE, Santa Clara Co., Cal. On 200-acre site near County Almshouse property at Milpitas.
Dormitory type branch county jail (steel and masonry construction).
Owner—County of Santa Clara (Henry A. Pfister, County Clerk).
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
This project will probably be financed by a bond to be voted at the general election in November of this year.

Contract Awarded.
FIREHOUSE Cost, \$11,944
VALLEJO, Solano Co., Cal. Alameda and Maryland Sts.
One-story Spanish type firehouse.
Owner—City of Vallejo (Alf. E. Edgumbe, city clerk).
Architect—Wm. A. Jones, 408 Alameda St., Vallejo.
Contractor—Frank Lamb, 821 Capitol St., Vallejo.

Sub-Contracts Awarded.
LIBRARY Cost, \$275,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Kittredge St.
Reinforced concrete and steel class A public library (50 ft. high).
Owner—City of Berkeley, E. M. Hann, city clerk.
Architect—James M. Plachek, Mercantile Bank Bldg., Berkeley.
Heating Engineers—Leland & Haley, 58 Sutter St., San Francisco.
Contractor—K. E. Parker, 135 South Park, San Francisco.

Structural Steel—Pacific Coast Engineering Co., foot of 14th St., Oakland.
Reinforcing Steel—Concrete Engineering Co., 1280 Indiana St., San Francisco.

Plans Being Figured—Bids Close Mar. 11th, 3 P. M.
COUNTY JAIL Cost, \$50,000
WILLOWS, Glenn Co., Cal.
Two-story and basement reinforced concrete county jail.
Owner—County of Glenn.
Architect—Otto A. Deichmann, 110 Sutter St., San Francisco.

Plans Completed.
CLUBHOUSE Cost, \$25,000
LONG BEACH, Los Angeles Co., Cal.
Houghton Park, North Long Beach
One-story frame and stucco community clubhouse.
Owner—City of Long Beach.
Engineer—G. W. Ferris, City Engineering Dept., Long Beach.

Plans Being Prepared.
CANOPY, ETC. Cost, \$40,060
SAN FRANCISCO. Civic Auditorium.
Construct gridiron canopy and install electrical equipment for stage.
Owner—City and County of San Francisco.
Architect—Bureau of Architecture (C. H. Sawyer, acting chief), 2nd floor City Hall.

Contract Awarded.
ALTERATIONS Cost, \$10,877
OAKLAND, Alameda Co., Cal. Broadway, bet. 4th and 5th Sts.
Alterations and additions to County Courthouse.
Owner—County of Alameda, Geo. A. Gross, County Clerk.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.
Contractor—John E. Branagh, 184 Perry St., Oakland.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, \$7,300
ELDRIDGE, Sonoma Co., Cal. State hospital grounds.
One-story and basement frame and stucco assistant physician's residence.
Owner—State of California.
Architect—Geo. B. McDougall, state architect, Public W'ks., Bldg., Sacramento.
Will contain seven rooms; stucco exterior and shingle roof.
Contractor—G. Magnusson, 320 Cypress, San Bruno.

WOODSIDE, San Mateo Co., Calif.—Walter A. Hoff Landscape Organization, 526 Powell St., San Francisco, at approximately \$8,000 awarded con-

tract by Walter Buck, owner, Woodside, for complete landscape development, roads, plumbing, lawns, creek development in connection with 20-acre county home, to cost approx. \$35,000. Plans were prepared by Architects Farr and Ward, 68 Post St., San Francisco.

Contract also awarded to Walter A. Hoff Landscaping Organization for sunken garden, rose garden and lawns in connection with Halsey Manwarling residence, located in Hillsborough

Plans Being Figured.
RESIDENCE Cost, \$15,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner—Brownie Soward.
Architect—Russell Coleman, 1404 Broadway, Burlingame.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and stucco residence (6 bedrooms, 5 baths).
Owner—Name Withheld.
Architect—Russell Coleman, 1404 Broadway, Burlingame.

Sub-Bids Wanted.
RESIDENCES Cost, \$9500 each
SAN FRANCISCO. Mt. Davidson, Manor Drive, about 250 ft. north Ocean Avenue.
Two six-room frame and stucco residences.
Owner and Builder—C. W. Morse, SW Pinehurst and Kenwood Sts., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San Francisco.

Sub-Figures Being Taken.
RESIDENCE Cost, \$8,000
SAN FRANCISCO. Twenty-first Ave. near Rivera St.
One-story and basement five-room frame and stucco residence.
Owner and Builder—J. Carlsen, 2239 Bryant St., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$7,345
NAPA, Napa Co., Cal. State Hospital grounds.
One-story and basement frame and stucco assistant physician's residence.
Owner—State of California.
Architect—Geo. B. McDougall, state architect, Public W'ks., Bldg., Sacramento.
Will contain seven rooms; stucco exterior and shingle roof.
Contractor—G. Magnusson, 320 Cypress, San Bruno.

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Plans Being Prepared.
RESIDENCES Cost, \$10,000 each
SAN FRANCISCO. San Aliso N Up-
land Drive.
Four one-story and basement six-
room and social hall frame and
stucco residences.
Owner and Builder—A. J. Herzig, 635
Victoria St., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San
Francisco.
Sub-bids will be taken in one week.

Sub-Figures Being Taken.
FLAT & STORE Cost, \$12,000
MILLBRAE HIGHLANDS, San Mateo
Co., Cal. El Camino Real.
Two-story frame and stucco flat and
store building.
Owner and Builder—J. C. Polderman,
Millbrae Highlands.
Plans by D. E. Jaekle, Call Bldg., San
Francisco.

Contract Awarded—Sub-bids Being
Taken.
RESIDENCE Cost, \$18,000
BERKELEY, Alameda Co., Cal. South
Hampton Road.
Two-story and basement frame and
stucco residence (8 rooms, 3 baths)
Owner—C. S. Crittendon.
Architect—E. L. Snyder, 2101 Shattuck
Ave., Berkeley.
Contractor—Herbert Schulz, 811 Men-
docino, Oakland.

Owner Taking Bids.
RESIDENCE Cost, \$13,000
SAN JOSE, Santa Clara Co., Calif.
Palm Haven.
Two-story and basement Spanish type
frame and stucco residence.
Owner—E. L. Wolfe, 704 Palm Haven,
San Jose.
Architect—Wolfe and Higgins, Realty
Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, \$10,000
LAS VEGAS, Nevada.
Two-story frame and stucco residence
Owner—Mr. Henderson.
Architect—A. L. Worswick, Las Vegas
Contractor—C. A. Bryant, Las Vegas.

Contract Awarded.
RESIDENCE Cost, \$10,000
SAN MATEO, San Mateo Co., Cal.
Baywood Park.
Two-story frame and stucco residence
Owner—Rev. Carl M. Warner, 2208
Hillside Ave., Burlingame.
Architect—None.
Contractor—Thos. A. Cavanaugh, 343
Virginia St., Baywood.

Contract Awarded.
RESIDENCE Cost, \$10,700
REDWOOD CITY, San Mateo Co., Cal.
Two-story and basement frame and
stucco residence.
Owner—Chas. F. Woodmansee, 506
Edgewood Road, Redwood City.
Architect—Chas. F. Strothoff, 2274
15th St., San Francisco.
Contractor—H. H. MacDonald, San
Carlos.

Plans Being Figured.
RESIDENCE Cost, \$125,000
SANTA MONICA, Los Angeles Co.,
Calif.
Two-story 15-room frame and stucco
residence.
Owner—John L. Kennedy.
Architect—Ashton & Denny, Wilshire
Preuss Bldg., Beverly Hills.

Plans Being Completed.
RESIDENCE Cost, \$15,000
LA JOLLA, San Diego Co., Cal.
One-story and basement sixroom 2-
bath frame and stucco residence.
Owner—Withheld.
Architect—Martin Sheldon, Monad-
nock Bldg., San Francisco.

Plans will be ready for bids in about
two weeks.

Plans Being Prepared.
RESIDENCE Cost, \$9,000
SAN MATEO, San Mateo Co., Calif.
Peninsula Manor.
Two-story frame and stucco residence.
Owner—M. D. Smith, Decoto, Calif.
Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.

Plans Being Figured.
RESIDENCE Cost, \$8500
SAN MATEO, San Mateo Co., Calif.
Peninsula Manor.
Two-story frame and stucco residence
Owner—Mrs. A. Giraud.
Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.

Plans Being Figured.
RESIDENCE Cost, \$8500
SAN MATEO, San Mateo Co., Calif.
Peninsula Manor.
Two-story frame and stucco residence
Owner—Mrs. L. Duthie.
Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.

Sub-Figures Being Taken.
RESIDENCE Cost, \$13,500
SAN MATEO, San Mateo Co., Calif.
Hillsborough Park.
Two-story frame and stucco residence
Owner and Builder—A. M. Schulte, 459
Carnell Ave., San Mateo.
Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.

Plans Being Figured.
RESIDENCE Cost, \$11,000
PALO ALTO, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner—R. N. McIntosh.
Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.

WILLOW GLEN, Santa Clara Co.,
Cal.—Town Building Inspector H. N.
Bishop grants permits to Thos. H.
Herschbach, local real estate operator,
to erect 12 new homes in North Glen
Tract. Construction on four buildings
has already been started, and work on
the remaining eight structures will be
started at once. Construction will
involve an expenditure of \$60,000.

Plans Being Prepared.
RESIDENCE Cost, \$50,000
PIEDMONT, Alameda Co., Cal. Glen
Alpine Road.
Two-story 16-room frame, stucco and
brick veneer residence.
Owner—J. C. Witter, 116 Parkside Dr.,
Oakland.
Architect—Williams & Wastell, 374
17th St., Oakland.
Plans will be ready for bids in about
thirty days.

Contract Awarded.
RESIDENCE Cost, \$23,000
GILROY, Santa Clara County, Calif.
Bloomfield Ranch.
One-story Spanish type frame and
stucco residence with tile roof;
barn and service building.
Owner—Lawrence Kelly.
Architect—Herman Krause, Bank of
San Jose Bldg., San Jose.
Contractor—Wm. Radtke, Gilroy.

Sub-Figures Being Prepared.
BUNGALOWS Cost, \$6500
BERKELEY, Alameda Co., Calif.
One-story frame and stucco duplex
bungalow (two 4-room bungalows)
Owner & Builder—H. P. Perkins, 1511
Woolsey St., Berkeley.
Architect—L. F. Hyde, Oakland.

Contract Awarded.
RESIDENCE Cost, \$8000
SAN FRANCISCO. N Jersey E Chat-
tanoga St.
One-story and basement frame and
stucco residence.

Owner—M. J. Wynne, 101 Dolores St.,
San Francisco.
Plans by D. K. Brooks.
Contractor—D. K. Brooks, 246 Faxon
Ave., San Francisco.

SCHOOLS

Preliminary Plans Being Prepared.
SCHOOL & HALL Cost, \$10,000
PLEASANTON, Alameda Co., Calif.
Frame and stucco school and social
hall.
Owner—First Presbyterian Church.
Architect—Rollin S. Tuttle, Box C, Los
Gatos.

Plans Being Completed.
SCHOOL Cost, 1st unit, \$700,000
SAN FRANCISCO. Aptos and West-
gate Aves.
Class A Junior High School (accom-
modate approx. 1200 pupils).
Owner—City & County of San Fran-
cisco.
Architect—Shea and Shea, 454 Mont-
gomery St.
Will be known as Aptos Junior High
School. Plans will be completed in
about thirty days.

Plans Being Figured—Bids Close Mar.
25th, 2 P. M.
HALL Cost, \$170,000
CHICO, Butte Co., Calif. State Teach-
ers' College.
Two-story Italian type brick and con-
crete assembly hall (to seat 1500).
Owner—State of California.
Architect—Geo. B. McDougall, State
Architect, Public Works Building,
Sacramento.

Will be two-story steel and concrete
frame with balcony, brick and concrete
walls, concrete floors and tile and
composition roofs. The floor area is ap-
proximately 30,500 square feet with a
seating capacity of approximately
1500.

Separate bids are wanted for a gen-
eral contract and for mechanical
equipment which includes plumbing,
heating, ventilating and electric work.
Separate bids will be received for
electrical work and for plumbing,
heating and ventilating work. Com-
bined bids will also be considered for
all four branches of the work com-
bined.

See call for bids under official pro-
posal section in this issue.

Plans Being Completed.
HIGH SCHOOL
\$240,000 voted to finance.
MARTINEZ, Contra Costa Co., Cal.
Two-story fireproof high school.
Owner—Alhambra Union High School
District.
Architect—W. H. Weeks, 111 Sutter
St., San Francisco.
Plans will be ready for bids in three
weeks.

ARMONA, Kings Co., Cal.—Armona
Grammar School suffered a \$15,000 fire
loss Feb. 25. A \$60,000 insurance was
carried on the structure. Three class-
rooms were gutted by the blaze.

Plans Being Completed.
SCHOOL \$130,000 in bonds voted
BURLINGAME, San Mateo Co., Cal.
Canyon Road and Summit Drive.
Two-story 8-classroom reinforced con-
crete school.
Owner—Burlingame School District.
Architect—W. H. Weeks, 111 Sutter
St., San Francisco.

The \$130,000 voted will provide for
the erection of this 8-room school, in
addition to the purchase of a site for
another school in East Burlingame to
accommodate students in the Win-
chester Tract.
Plans will be ready for bids in four
weeks.

SANTA BARBARA, Calif.—Paul E. Stewart, superintendent of city schools recommended that proceedings be started for holding elections to vote bonds in sum of \$300,000 for two new grammar school buildings and \$600,000 for new junior high school. Sites for buildings already secured.

Bids To Be Taken Feb. 26th.
SCHOOL Cost, \$35,000
WILLOW GLEN, Santa Clara Co., Calif.
One-story reinforced concrete school (6 classrooms, administration room and kindergarten).
Owner—Willow Glen School District.
Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Bonds Voted—Plans Being Prepared. ADDITIONS, ETC. Cost, \$75,000
HAYWARD, Alameda Co., Cal.
Seven-classroom addition to Bret Harte School; 4-classroom addition to Luther Burbank School; alterations and auditorium addition to John Muir School; replace plumbing in Fairview and Markham Schools.

Owner—Hayward Grammar School District.
Architect—E. P. Whitman, 192 Main St., Hayward.
Election held Feb. 18 to vote bonds of \$75,000 to finance this work carried by a vote of 434 in favor and 117 against the issue.

Sub-Contracts Awarded.
GYMNASIUM Cont. price, \$55,530
SAN RAFAEL, Marin Co., Calif. San Rafael High School.
Reinforced concrete gymnasium.
Owner—San Rafael Board of Education, Oliver R. Hartzell, secretary.
Architect—N. W. Sexton, deYoung Bldg., San Francisco.
Contractor—Young & Horstmeier, 461 Market St., San Francisco.

Excavation—Frank Cuff, San Rafael.
Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.

Rock, Sand and Cement—Grady Bros., San Rafael.

Roofing—San Rafael Roofing Co., San Rafael.

Lumber—Henry Hess Lumber Co., San Rafael.
Bids are wanted on maple hardwood flooring.
As previously reported heating contract awarded to D. O'Mara, 218 Clara St., San Francisco, at \$6998; electrical work to North Bay Elec. Works, San Rafael, at \$3696; plumbing to Thos. J. Catton, 354 Hobart St., Oakland, at \$169.

Preparing Working Drawings.
SCHOOL Cost last unit, \$50,000
ANTA CRUZ, Santa Cruz Co., Cal. Laveaga Park.
Two-story frame and stucco Mission type school (6 classrooms, offices, etc., 58x160-ft.)
Owner—Society of Mary.
Architect—L. D. Esty, Alta Building, Santa Cruz.
Segregated bids will be taken about March 15.

Plans Being Completed.
GYMNASIUM Cost, \$60,000
ENTERVILLE, Alameda Co., Cal. One-story reinforced concrete gymnasium.
Owner—Washington Union High School District.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
General bids will be taken about March 1st.

SAN FRANCISCO—Until March 5, 1930 P. M., bids will be received by S. Hester, secretary, Board of Public Works, for re-rigging stage curtains.
Addition to High School of Commerce in Fell St. bet. Van Ness Ave.

and Franklin St. Certified check 10% payable to clerk of the Board of Supervisors, required with bid. Bond in the sum of one-fourth the amount of contract required of successful bidder. Plans obtainable from secretary of the Board of Public Works, City Hall.

Contract Awarded.
ADDITIONS Cost, \$23,170
BAKERSFIELD, Kern Co., Cal.
Brick additions and alterations to Roosevelt School.
Owner—Bakersfield School District.
Florence C. Porter, Secretary.
Architect—Symmes & Cullimore, Harborfelde Bldg., Bakersfield.
Contractor—Wm. Eissler, 2300 Nile St., Bakersfield.

Following is a complete list of bids received, all bidders being of Bakersfield:
Wm. Eissler \$23,170
P. W. Paynter \$23,700
W. A. Croft \$24,061
August Zimmerman \$24,089
Currie & Dulkar \$24,644
W. K. Michael \$24,710
Z. L. Murray \$25,188
L. H. Moon \$25,300
Henry Eissler \$25,500
Paul Opperman \$25,875
Clark Gramling \$30,822

Commissioned To Prepare Plans.
SEMINARY Cost, \$3,000,000
SEATTLE, Wash. Laurelhurst Dist. Class A seminary buildings.
Owner—Pacific Theological Seminary.
Rev. P. W. H. Frederick, Dean.
Architect—Bebb & Gould, Hoge Bldg., Seattle.

The first unit will comprise a dormitory to cost \$250,000. Will be three-story 212 by 42-ft. by 34-ft. of brick and stone construction.

GRIDLEY, Butte Co., Cal.—Gridley Elementary School District orders erection of an additional fire escape on the McKinley school.

REDWOOD CITY, San Mateo Co., Cal.—Strout-Steffens Equipment Co., 114 Sansome St., San Francisco, at \$2,590 submitted lowest bid to Sequoia Union High School District, to furnish and install water softener.

Following is a complete list of the bids:
Strout-Steffens Co., S. F. \$2,590
Standard Filter Co., S. F. 2,925
Refnite Company 3,100
Crane & Company 4,052
International Filter Co., S. F. 5,540
Bids held under advisement.

Preparing Working Drawings.
SCHOOL BLDGS. Cost, \$150,000
PITTSBURG, Contra Costa Co., Cal. Group of four brick and terra cotta Junior High School Buildings (attached), Academic Bldg., Gymnasium, Shops and Auditorium.
Owner—Pittsburg School District.
Architect—Davis-Pearce Co., Grant and Weber Sts., Stockton.
Plans will be ready for bids in about thirty days.

Bids Opened.
ADDITION Cost, \$120,000
OAKLAND, Alameda Co., Cal. Montecello and Fleming Sts. (Maxwell School).

Two-story brick addition to present elementary school.
Owner—Oakland Board of Education.
Architect—John J. Donovan, 1916 Broadway, Oakland.

Following is a complete list of the bids:
Alt. No. 1, deduct for omission of cement walks and steps; Alt. No. 2 deduct for omission of the wainscot and installation of plaster.
General Work

Alfred Olsen, 631 Viona St., Oak-

land, \$118,378; (1) \$200; (2) \$3,000.

George Petersen, Oakland, \$121,800; (1) \$300; (2) \$3,500.

Chas. D. Vezey & Son, Oakland, \$123,340; (1) \$325; (2) \$2,700.

George Swanstrom, Oakland, \$124,100; (1) \$360; (2) \$3,098.

F. J. Westlund, Oakland, \$124,340; (1) \$500; (2) \$3,500.

A. F. Anderson, Oakland, \$124,748; (1) \$185; (2) \$3,566.

Leibert & Trobeck, San Francisco, \$126,800; (1) \$175; (2) \$3,500.

E. T. Lesure, Berkeley, \$129,600; (1) \$450; (2) \$3,000.

N. H. Fjoberg & Son, Oakland, \$130,538; (1) \$223; (2) \$3,145.

Villadsen Bros., San Francisco, \$131,700; (1) \$250; (2) \$2,800.

Blackboards
Alt. No. 1 deduct for omission of blackboards in Classroom No. 5.

F. E. Turner Co., Box 501, Stockton, \$1,097; (1) \$100.

C. F. Weber Co., San Francisco, \$1,120; (1) \$103.

H. S. Crocker Co., San Francisco, \$1,169; (1) \$106.

R. W. King, Oakland, \$1,350; (1) \$105.

Finish Hardware
Maxwell Hardware Co., 1320 Washington St., Oakland, \$1,629.

Associated Hardware Co., Oakland, \$1,919.

Bids held under advisement for one week.

Bonds Voted—Plans Being Prepared. SCHOOL Cost, \$105,000
WILLIAMS, Colusa Co., Cal. Spanish type school.
Owner—William School District.
Architect—Starks & Planders, Forum Bldg., Sacramento.
Bond election carried by a vote of 249 for and 109 against.

Plans Being Figured—Bids Close Mar. 18th.
SCHOOL Cost, \$245,000
FAIRFIELD, Solano Co., Calif. Two-story reinforced concrete high school (10 classrooms and auditorium).

Owner—Armijo Union High School District.
Architect—Coffman, Sahlgren & Stafford, Emerson St., Oakland.

Segregated bids are being taken as follows:

- (1) Concrete, carpentry and masonry.
- (2) Plastering.
- (3) Roofing.
- (4) Glass and glazing.
- (5) Painting.
- (6) Sheet Metal.
- (7) Electrical work.
- (8) Heating.
- (9) Plumbing.

Plans will be obtainable from architect March 3rd.

BANKS, STORES & OFFICES

Completing Plans.
OFFICES Cost, \$750,000
PHOENIX, Arizona. First and Adams Streets.

Eleven-story Class A offices 101x138 ft. **Owner**—Phoenix Title & Trust Co.
Architect—Lescher & Mahoney, First National Bank of Arizona Bldg., Phoenix.

Bids will be called for shortly.

Completing Plans.
OFFICES Cost, \$—
HUNTINGTON PARK, Los Angeles Co., Cal. Pacific Blvd.

Two-story Class A reinforced concrete offices (55x125 feet).

Owner—Los Angeles Gas & Electric Corp., 810 S. Flower St., L. A.

Architect—Eng. Dept. of Owner.
Work will be done by day's labor by owner. Sub-bids will be taken about March 15.

TULARE, Tulare Co., Calif.—J. O. Reed, Tulare, awarded contract to erect a dyeing and cleaning establishment at 218 South K St. for Seaman & Seaman of Tulare. Plans are awaiting the approval of the state authorities.

Completing Plans.

OFFICES Cost, \$—
LOS ANGELES, Cal. 629-33 S Hill St. Twelve-story and basement Class A offices, terra cotta facing (60x158 feet).

Owner—Sun Realty & Finance Co.
 Architect—Claud Beelman, Union Bank Bldg., Los Angeles.

Contract Awarded.

ALTERATIONS Cost, \$15,000
SAN FRANCISCO. No. 511 Howard Street.

Alterations to sales building.

Owner—Bothin Real Estate Co., 604 Mission St., San Francisco.

Engineer—N. E. Green, Sharon Bldg., San Francisco.

Contractor—F. R. Siegrist, 604 Mission St., San Francisco.

Low Bidder.

NEWSPAPER BLDG. Cost, \$—
ALHAMBRA, Los Angeles Co., Cal. Stonemason Avenue.

One and two-story and basement steel frame and reinforced concrete newspaper building (50x107 ft.).

Owner—Alhambra Post-Advocate.

Architect—John Walker Smark, Mills-Praser Bldg., Los Angeles.

Low Bidder—Steed Bros., 305 N. Garfield Bldg., Alhambra.

Contract Awarded.

ALTERATIONS Cost, \$20,000
SAN FRANCISCO. Montgomery and Post Sts.

Alterations to mezzanine floor of bank building (new elevator, stairs, etc.)

Owner—Crocker First Federal Trust Co., Premises.

Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.

Contractor—Dinwiddle Construction Co., Crocker Bldg., San Francisco.

MADERA, Madera Co., Cal.—Construction will be started shortly on a 1-story brick Spanish type store building in Yosemite Ave. for Rosenthal-Kutner Co.; will contain six stores with stucco exterior and tile roof. Est. cost, \$22,500.

CASTROVILLE, Monterey Co., Cal.—Monterey County Trust and Savings Bank of Salinas, has been authorized by the State Superintendent of Banks to establish a branch at Castroville. Two sites are being considered by the directors of the institution on which to erect a modern bank building.

Sub-Contracts Awarded.

BANK Cont. Price, \$257,500
SALINAS, Monterey Co., Cal. Main Street.

Six-story Class A steel frame terra cotta and brick bank building.

Owner—Salinas National Bank.

Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Brix Bldg., Fresno.

Contractor—H. H. Larsen, 64 South Park, San Francisco.

Structural Steel—Indeson-Pacific Co., 609 Mission St., San Francisco.

Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts., S. F.

Excavation—S. Ruthven, Monterey.

Terra Cotta—N. Clark & Sons, 116 Natoma St., San Francisco.

FRESNO, Fresno Co., Cal.—Fashion Cleaners, Ltd., recently incorporated, will open quarters at 1217 Van Ness

Ave., about March 3. Equipment, costing approximately \$7500, will be purchased and installed in the new quarters, according to Ben Paschall, president of the company.

Bids Opened—Under Adjudement.

STORE Cost, \$10,000
SANTA CLARA, Santa Clara Co., Cal. One-story Spanish type brick grocery store.

Owner—Mr. George.
 Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Plans Being Figured—Bids Close Feb.

25th.
STORE Cost, \$—
REDWOOD CITY, San Mateo County, Cal. Broadway and Minnie Streets. (62½x100-ft.)

One-story concrete (2) store building.

Owner—Adam Andrew, 50 Brewster, Redwood City.

Architect—John McCool, 331 Bush St., San Francisco.

Plans To Be Prepared.

BUILDING Cost, \$—
SAN FRANCISCO. SW Steiner and Chestnut Sts.

Two-story concrete building.

Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.

Architect—O'Brien Bros and W. D. ery St., San Francisco.

Contract Awarded.

OFFICE BLDG. Cost, \$450,000
BERKELEY, Alameda Co., Cal. S Durant St. near Fulton (60x78 ft.).

Eleven-story class A rein. concrete and steel medical-dental bldg.

Owner—Durant Medico-Dental Bldg. Corp.

Architect—Miller & Warnecke, 1404 Franklin St., Oakland.

Contractor—Chas. S. Mabrey Co., Inc., 1001 45th St., Sacramento, and Oakland.

Sub-bids will be taken in about thirty days.

Planned.

MERCANTILE BLDG. Cost, \$—
LOS ANGELES, Cal. Location not selected.

Five-story class A mercantile bldg.

Owner—Bullock and Jones, Inc., 649 Hope St., Los Angeles (Chas. Rogers, secy., 340 Post St., San Francisco).

John Reid, Jr., 405 Montgomery St., San Francisco, prepared the plans for the present building and will probably be the architect on proposed building. Present lease does not expire for two years.

Plans Being Figured.

PUBLISHING PLANT Cost, \$10,000
REDWOOD CITY, San Mateo Co., Cal. Washington and Webster Sts.

One-story and mezzanine floor reinforced concrete publishing plant.

Owner—Standard Printing Co. and Times Gazette, Redwood City.

Plans By—L. F. Bourquin, Redwood City.

Sub-Contracts Awarded.

OFFICE BLDG. Cost, \$500,000
SAN FRANCISCO. Montgomery St., bet. Pine and California Sts.

Eighteen-story class A steel frame & reinforced concrete office building.

Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.

Architect—O'Brien Bros. and W. D. Feugh, 315 Montgomery St., San Francisco.

Elevators—Spencer Elevator Co., 166 7th St., San Francisco.

Structural Steel—McClintic Marshall Co., 2050 Bryant St., San Francisco.

Owner is taking bids on other portions of the work as previously reported.

Grading, Etc.—Cahill Bros., 206 Sansome St., San Francisco.

Wrecking awarded to Industrial Contracting Co., 815 Bryant St., San Francisco.

Preparing Working Drawings.

STORE Cost, \$150,000
SAN RAFAEL, Marin Co., Cal. 4th & B Sts.

Four-story and basement class B store and office building.

Owner—J. Albert, San Rafael.

Architect—S. Heiman, 605 Market St. Plans will be ready for bids in about three weeks.

Sub-Contracts Awarded.

ALTERATIONS Cost, \$—
SAN FRANCISCO, NW Polk St. and California St.

Extensive alterations to present building for store and fountain.

Owner—Owl Drug Co.

Plans by Edwin Du Val, Dalziel Bldg., Oakland.

Contractor—Edwin Du Val, Dalziel Bldg., Oakland.

Cabinet Work—Lannom Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.

Tile—Scott Co., 243 Minna St., San Francisco.

THEATRES

Commissioned To Prepare Plans.

THEATRE Cost, \$—
BEVERLY HILLS, Los Angeles Co., Calif. SW Wilshire Blvd. and Reeves Drive.

Reinforced concrete and steel class A theatre (to seat 2,500).

Owner—Warner Bros. Pacific Coas. Theatres.

Architect—B. Marcus Priteca, 411 V 7th St., Los Angeles.

Planned.

THEATRE Cost, Approx. \$2,000,00
LOS ANGELES, Cal. Wilshire Blvd. and Western Avenue.

Class A theatre (300x225 ft.).

Owner—Henry de Roulet Co., 3778 Wilshire Blvd., Los Angeles.

Architect—Not Selected.

Negotiations are under way to finance same.

Contract Awarded—Sub-Bids Being Taken.

THEATRE Cost, \$48,500
PLACERVILLE, El Dorado Co., Cal. Two-story rein. concrete theatre stores and offices.

Owner—R. W. Brown, Placerville.

Plans by Owner.

Contractor—Chas. Mabrey Co., Inc., 1001 45th St., Sacramento, and Oakland.

Sub-Bids Wanted.

THEATRE Cost, \$52,100
SAN BRUNO, San Mateo Co., Cal. One-story rein. concrete theatre (to seat 1000).

Owner—Chas. E. Petersen, San Bruno.

Architect—Norman R. Coulter, Kearney St., San Francisco.

Contractor—Chas. S. Mabrey Co., Inc., 1001 45th St., Sacramento, and Oakland.

Sub-bids are wanted on mechanic work, plumbing, heating, electric wiring, sheet metal, mill work, roofing, plastering, glass and glazing.

Preliminary Plans Being Prepared.

THEATRE Cost approx. \$1,000,00
OAKLAND, Alameda Co., Cal. Broadway near Hobart St.

Class A theatre building.

Owner—Public Theatres, Inc.

Architect—Miller & Pfueger, 580 Market St., San Francisco.

SACRAMENTO, Cal.—Paramount-Famous-Lasky Corp. has taken options on a site in the north side of K St., between Ninth and Tenth Sts., on which it is proposed to erect a \$1,000,000 theatre, according to C. J. Chittenden, real estate operator. Will be of class A construction, seating approximately 2000 people.

Preliminary Plans Being Prepared.
THEATRE Cost, \$250,000
POMONA, Los Angeles Co., Cal. SW Third and Garey Ave.
Two-story reinforced concrete and steel theatre (set 2,000; 103x195-ft.)
Owner—Fox West Coast Theatres, Inc., Washington St. and Vermont 7 Ave., Los Angeles.
Architect—S. Charles Lee, Petroleum Securities Bldg., Los Angeles.

Plans Completed.
THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. Twelfth and Broadway.
Two-story theatre and store building (theatre to seat approx. 800).
Owner—Levy Estate, Oakland.
Architect—Clausen & Amandes, Hearst Bldg., San Francisco.
Owner—Golden State Theatres, Inc.
Bids will be taken in about one week.

Contract Awarded.
THEATRE Cost, \$—
YREKA, Siskiyou Co., Cal.
One-story reinforced concrete Theatre (\$55,120-ft.); seating 1,000.
Owner—Miss Bernice Warrens, Yreka.
Architect—Not Given.
Contractor—R. I. Stuart & Sons.
Lessee—Walter Leverette, Medford, Oregon.

Stuart & Sons awarded general contract at \$1,950. Other bids were: D. M. Reid, Yreka, \$23,993, which included the plumbing and heating, and J. P. Brennan, Redding, \$22,250, which did not include plumbing and heating; E. L. McNeil, Klamath Falls, Ore., \$20,999, for building only; Sig Asch, Medford, \$19,840, for building only; E. R. Metzger, Roseburg, building only, \$19,536.

Plumbing and heating awarded to Dinkins and Churchill at \$960 for plumbing, \$1,960 for oil burner heating plant. Other bids were: Allen & Allen, Red Bluff, plumbing, \$1,216; heating plant, \$2695; Modern Plumbing & Sheet Metal Co., Medford, plumbing only, \$1,341; Heating and Ventilating Co., Portland, \$2387, heating plant only; J. C. Bayer Furnace Co., Portland, \$2305, furnace, not an oil burner.

Contracts for wiring, painting, and decorating will be let later.

MISCELLANEOUS CONSTRUCTION

SAN MATEO, San Mateo Co., Cal.—Until March 3, 8 P. M., bids will be received by E. W. Foster, city clerk, for grading East San Mateo Park at Monte Diablo Ave. and North Eldorado St. Plans on file with city clerk.

BERKELEY, Alameda Co., Calif.—Following bids received by Regents of the University of California for (1) central heating plant; (2) utility tunnel connection; (3) job complete, including central heating plant building and utility tunnel.

H. K. Henderson, 20 Avila Rd., Berk., (1) \$47,751; (2) \$5,060; (3) \$52,801.

Sullivan & Sullivan, Oakland, (1) \$49,950; (2) \$4,826; (3) \$54,350.
Dinwiddie Const. Co., San Francisco (1) \$51,000.

Walter Sorensen, Oakland, (1) \$51,780.

J. W. Cobby & Son, San Francisco, \$55,961.

Connor & Connor, Oakland, \$57,000.
F. J. Westlund, Oakland, \$57,297.
C. D. De Velblas, Oakland, (1) \$59,112; (2) \$5,500; (3) \$64,312.
Bids held under advisement.

Contract Awarded.
ALTERATIONS Cost, \$15,000
SALINAS, Monterey Co., Cal. West San Lucas St. and Lincoln Ave.
Alterations and additions to undertaking parlors.
Owner—Struve & La Porte, Salinas.
Architect—Butner & Stranahan, Gilk-barg Bldg., Salinas, and Cory Bldg., Fresno.
Contractor—Fred C. Carlson, 336 Lincoln Ave., Salinas, Cal.

WOODLAND, Yolo Co., Cal.—Until March 3, 5 P. M. bids will be received by J. H. Laugenour, City Clerk, to erect building in Freeman Park. Certified check 10% required with bid. Plans on file in office of clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—San Lorenzo Improvement Club will ask bids shortly to erect two Neon signs over the Watsonville-Santa Cruz Highway entrance and the Los Gatos-Santa Cruz Highway entrance. Tentative estimates submitted to the club are within the amount available for construction.

SAN FRANCISCO—Until March 24, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish Class 1—Milk, ice cream, groceries; Class 2—enameled and aluminum ware, tinware, japanned and galvanized ware, kitchen utensils; Class 5—Fuel and gasoline; Class 6—Boiler compounds, fire brick; Class 8—Lubricants; Class 10—Household supplies and cordage; Class 14—Photographic, blue, print supplies; Class 15—Drugs, medicines, chemicals, hospital appliances, surgical instruments; Class 16—Street and sewer materials; Class 17—drafting and engineering supplies; Class 18—Incandescent electric lamps. Plans on file with city purchasing agent.

See call for bids under official proposal section in this issue.

SACRAMENTO, Calif.—Associated Oil Co. awarded contract to city to furnish fuel oil for 1930; \$1.33 per bbl. for tank wagon deliveries and \$1.03 per bbl. delivered at the pumps.

BERKELEY, Alameda Co., Cal.—Gilmore Oil Co., authorized by city council to construct a distributing station at Second and Gilman Sts., involving installation of 20,000-gal. gasoline tanks and six 8000-gal. oil tanks.

SAN FRANCISCO—Until March 5 2:30 P. M., bids will be received by Board of Public Works to furnish and deliver a portable gravel plant for the Coast Range Division of the Hetch Hetchy Water Supply System, under Contract No. 121. Bond in the sum of one-half the amount of the contract price required of the successful bidder. Certified check 10% payable to clerk of the Board of Supervisors required with bid. Spec. obtainable from the Bureau of Engineering, 3rd floor, City Hall, on deposit of \$5. returnable. NOTE—Bids were previously set to be opened on this equipment Feb. 26.

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street. Phone KEarny 1252.

18057—Trade Service.—New York, N.

Y. Party is leaving shortly for England to establish there a business service which will act as a merchandising counsel, securing agencies for American products, conducting negotiations and arbitrations between American and British firms, etc.
18058—Agency, San Diego, Cal. Party who is connected with import houses in Scandinavia and northern Germany wishes to act as agent there for local firms.

18061—Spraying Machines. Nuernberg, Bavaria. Manufacturer of metal spraying machines wishes to secure a representative.

18063—Chimney Wind Catcher. Dins-laken, Germany. Party offers license for the manufacture of patented chimney wind catcher of cement.

18066—Oriental Carpets. Athens, Greece. Government organization for fostering trade wishes to represent without charge the interests of importers of Oriental carpets.

18068—Representation. Bombay, India. Party wishes to represent a number of manufacturers in British India.
18070—Ballast. Osaka, Japan. Company wants to find a market for ballast which is composed of small pebbles that are used for the construction of concrete buildings.

18074—Soda Water Fountains and Flavors. Bluefields, Nicaragua. Party wishes to communicate with manufacturers and exporters of soda water fountains and soda fountain extracts or flavors.

18076—Hardware. Los Angeles, Cal. Corporation wants to represent on the west coast of Mexico manufacturers of lines of hardware.

18078—Agency. Porto, Portugal. Company wishes to act as agent for manufacturers of stainless steel forks, knives, etc., tools, chemicals, etc.
18079—Traveling Agent. San Francisco, Cal. Party is seeking a connection with an import-export house to act as a traveling agent, buying and selling for the firm in Central and South America, Hawaii, the Philippines, and China.

D-3392—Equity in Business Desired. San Francisco, Cal. Local citizen has three-story building, good condition, with total of 45,000 sq. ft., which he desires to contribute as his equity in a business, preferably manufacturing, which would occupy the building, and with which the owner could be actively associated.

D-3393—Distributor. Chicago, Ill. Firm interested in securing connections in San Francisco to represent them as a sales agent selling their products to firms in this territory.

D-3394—Brass Goods. San Francisco Cal. Party interested in disposing of machine shop equipped for turning out brass goods.

D-3395—Agent. Aurora, Ill. Firm desires firm or individual in this city, who can act as agent to sell a high temperature heat insulating cement and a high temperature insulating fiber block.

D-3397—Representation in South. New Orleans, La. Southern company desires representation in south for importers and manufacturers of commodities sold by the electrical and hardware trade.

D-3398—Dealer. Fort Dodge, Iowa. Company desirous of securing a dealer in this city for an amplifying system, one preferred who has knowledge of radio and electrical appliances.

D-3399—Hardware Representation. Philadelphia, Pa. Party interested in communicating with manufacturers of hardware or kindred lines who might require the services of a representative in Philadelphia.

D-3400—Outlet for Hardware and Automotive Accessories. Spokane, Wash. Party who has secured connections with all the larger accounts in the territory of Washington desires to secure side line for that territory.

Engineering News Section

BRIDGES

MARIN COUNTY, Cal.—Until Mar. 19, 2 P. M., bids will be received by State Highway Commission to construct an overhead crossing over the tracks of the Northwestern Pacific Railroad at Forbes Station, consisting of one 46-ft. steel beam span and 190-ft. timber trestle on pile bents.

See call for bids under official proposal section in this issue.

CHICO, Butte Co., Cal.—City Council is seeking right of way to widen Park Ave. bridge, and plans are being prepared by City Engineer Martin C. Polk to widen the Broadway bridge. Both projects will involve a total expenditure of \$5,000.

CALIFORNIA.—Directors of the Golden Gate Bridge and Highway District propose to call election in August or September to vote bonds of \$30,000,000 to finance construction of the Golden Gate Bridge. The election will be held in San Francisco, Marin, Sonoma, Mendocino, Napa and Del Norte counties. San Francisco will carry about 85% of the bond burden or approximately \$25,500,000, according to tentative estimates. W. W. Felt, Jr., Claus Spreckels Bldg., San Francisco, is secretary of the district.

SANTA ROSA, Sonoma Co., Cal.—Officials of the Shoreline Highway District are conferring with the State Department of Public Works with regard to the construction of a \$200,000 bridge over the Russian river near its mouth, under the terms of the state toll bridge act. B. B. Meek, state director of public works, is said to be in favor of the project. J. B. Platt of Santa Rosa is engineer for the Shoreline Highway District.

MARIN COUNTY, Cal.—As previously reported, bids will be received March 19 by State Highway Commission to construct overhead crossing over Northwestern Pacific Railroad tracks at Forbes Station, consisting of one 46 ft. steel beam span and 190 ft. timber trestle on pile bents. Project involves: Furnish 3500 lin. ft. redwood piles, including test piles; drive 76 each, redwood piles, including test piles; 53 M. feet board measure redwood timber dense select all-heart structural grade; 38 cu. yds. Class "A" Portland cement concrete (structure); 125 cu. yds. Class "A" Portland cement concrete (pavement) 20,100 lbs. reinf. steel; 41,500 lbs. structural steel; 1 lot miscellaneous items of work.

STOCKTON, San Joaquin Co., Cal.—J. E. Fitzsimmons, Route 1, Box 80, Lodi, at \$9,780.50 awarded contract by county supervisors to construct Durham Ferry Bridge over San Joaquin river in Road District No. 3. Complete list of bids follows:

J. E. Fitzsimmons.....	\$ 9,780
L. Uhels.....	10,040
E. L. Stokes.....	10,215
M. A. Jenkins.....	10,567
Carl Nelson.....	10,995
Bundisen & Lauritzen.....	15,475

IMPERIAL COUNTY, Cal.—California State Department of Public Works, Division of Highways, au-

thorized by State Railroad Commission to construct a public highway at separated grades under the tracks of the San Diego and Arizona Railroad in the vicinity of Coyote Wells, Imperial County estimated cost \$20,-524.

OAKLAND, Cal.—Petition of Alameda County Supervisors seeking authorization to reconstruct the Bay Farm Island bridge will be considered by the U. S. War Department in San Francisco on March 12 at the U. S. Engineer's Office, Customhouse. The proposed bridge will have a swing draw span with a vertical clearance of 10 feet at high water or 18.6 feet at mean lower low water; and a horizontal clearance of 72 feet between the dolphins on the Alameda or north side of the center pier. There also will be a small fixed span for motor boats which will have a vertical clearance of 12 feet at high water, and 20.6 feet at mean low water and a horizontal clearance of 20 feet. Geo. A. Posey is county surveyor of Alameda County.

SISKIYOU COUNTY, Cal.—Jacobs & Pattiani, 337 17th St., Oakland, at \$71,548 awarded contract by State Highway Commission to construct a reinforced concrete bridge at Station 236+75.25 about 5 1/2 miles north of Yreka, consisting of one 200 ft. open spandrel arch span and three 40 ft. girder approach spans.

LOS ANGELES, Cal.—County Bridge Engineer W. D. Armstrong, Hall of Records, completes plans for new bridge to span Topanga Canyon about 2.5 miles from the mouth of the canyon. The proposed structure will be 520 ft. long and will have two primary arches with spans of 90 ft. each. The roadway will be 80 ft. above the canyon bed at its deepest point.

DREDGING, HARBOR WORKS & EXCAVATIONS

BAKERSFIELD, Kern Co., Calif.—C. W. Hartman Const. Co., Bakersfield, at 10c yds. awarded contract by Kern River District of Kern County for reinforcement of levee on east side of Chester Ave. and north side of Kern river. Complete list of bids follows:

Hartman Const. Co., Bakersfield.....	10 c
A. J. Peterson, Bakersfield.....	15 c
Lang Transportation Co., L. A.....	17.4c
Switzer Bros., Los Angeles.....	23 c
Carl Ingalls, Bakersfield.....	30 c
H. H. Jorgensen, Los Angeles.....	30 c

Hard Boiled Hats

protect the head from falling tools, rivets, etc.

BULLARD-DAVIS, Inc.

SAN FRANCISCO 275 8th St.
MARKET 2322

LOS ANGELES 800 W. 11th St.
WEETMORE 4179

LONG BEACH, Calif.—Proposal for the extension of the San Pedro breakwater, 12,500 ft., will be considered this month by the river and harbor board at Washington, D. C. Estimated cost, \$6,897,000. Recommendations of modification of dredging plans for the entrance channel at Long Beach harbor, made by Col. T. M. Robins, U. S. district engineer at San Francisco, will probably be approved by the board. Previous proposals contemplated at 40-ft. depth, but Col. Robins recommends a 35-ft. depth.

SAN FRANCISCO—Associated Boat Industries of California and Capt. B. P. Lamb, Secretary of the City Park Commission, will seek a \$250,000 appropriation from the supervisors, for expansion of Yacht Harbor. According to Frederick Weddleton, secretary-manager of the association, the \$250,000 will be sufficient to raise a breakwater long enough to increase the present harbors capacity to 1000 boats. At present only 180 boats may be moored in the shelter.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Calif.—Until March 17, 4 P. M., bids will be received by Anna Sorensen, secretary, Turlock Irrigation District, for construction in Improvement District No. 26, involving approx. 19,000 sq. ft. 2-in. concrete canal lining with necessary main structures. This work is part of Schedule No. 3 between Blue Gum Ave. and Southern Pacific R. R. Bond of one-half the amount of the contract price required of the successful bidder. Cashier's or certified check 5% payable to district required with bid. Plans obtainable from secretary. R. V. Welkie is chief engineer for the district.

TURLOCK, Stanislaus Co., Calif.—Until March 17, 3 P. M., bids will be received by Anna Sorensen, secretary, Turlock Irrigation District, for construction in Improvement District No. 23, involving under:

SCHEDULE NO. 1

Section No. 1. Consisting of approximately 24,076 sq. ft. of 2-inch thick concrete canal lining.

Section No. 2. Consisting of approximately 71,806 sq. ft. of 2-inch thick concrete canal lining.

SCHEDULE NO. 2

Consisting of approximately 27 conc. structures, a total of 30.6 cu. yds. of concrete.

(Schedule No. 2 is to be paid for in cash by property owners benefited).

SCHEDULE NO. 3

Consisting of one Highway Siphon. Bond of one-half the contract price will be required of the successful bidder. Cashier's or certified check 5% payable to district required with bid. Plans obtainable from secretary. R. V. Welkie, chief engineer of district.

TRACY, San Joaquin Co., Cal.—Until March 19, 8 P. M., bids will be received by W. Schlossman, secretary, Banta-Carbena Irrigation District, under Contract No. 18, for excavation and distribution system improvements, involving:

- (1) 15,000 cu. yds. excavation.
- (2) Install 70 redwood drops and furnish lumber and material for same

(3) Install 14 timber turnouts and furnish lumber and material for same;
(4) One concrete turnout and furnish material for same;
(5) One 30-inch concrete pipe road-crossing and one 24-inch pipe road-crossing and furnish material for same;
(6) One metal flume, wooden sub-structure over main lift canal, material for this to be furnished by district.
Certified check 5% payable to President of Board of Directors of district required with bid. Plans obtainable from secretary.
See call for bids under official proposal section in this issue.

TURLOCK, Stanislaus Co., Calif.—Until March 17, 3 P. M., bids will be received by Anna Sorenson, secretary, Turlock Irrigation District, for construction in Improvement District No. 30, involving under:

- SCHEDULE No. 1**
Section No. 1. Consisting of approximately 800 lin. ft. of 24-in. low pressure concrete pipe either machine made or poured in place.
Section No. 2. Consisting of approximately 1½ cu. yds. of concrete in one intake structure with one 24-in. Calco side gate in place.
SCHEDULE No. 2
Section No. 1. Consisting of approximately 3200 lin. ft. of 16-in. reinforced high pressure concrete pipe in place.
Section No. 2. Consisting of approximately 20 16-inch reinforced stand pipes in place, a total of 38 lin. ft.
Section No. 3. Consisting of approximately 20 lin. ft. 16-in. metal drain pipe crossing in place with Day-on Union and concrete abutments.
Section No. 4. Consisting of approximately 6 cu. yds. of reinforced concrete in outlet structure and drain crossing.
Cashier's or certified check 5% payable to district required with bid. and in the amount of one-half of contract price required of successful bidder. Plans obtainable from secretary. R. V. Meikle is chief engineer or the district.

STREET LIGHTING SYSTEMS

PACIFIC GROVE, Monterey Co., Cal.—Due to protests, the city council has postponed hearings on the proposal to install ornamental street lighting systems in Central Ave. until March 3. One project involves the installation of 46 and another the installation of 17 single lamp standards.
G. G. Stuhbs, is city clerk.

NEWMAN, Stanislaus Co., Cal.—City trustees contemplate installation of electroliner system in Kern St. and South O and N Streets. Manufacturers will install standards from high property owners will select a sign.

FRESNO, Fresno Co., Calif.—City council declares intention (102-D) to

install lighting system in Fresno St. bet. O and Divisadero Sts.; Howard St. bet. Fresno and Divisadero Sts.; portions of Divisadero and Fresno Sts. Involving installation of 76 electroliners together with underground system. Standards of combination steel and cast iron, single lamp, 1911 Act. Hearing March 13. H. S. Foster, city clerk. A. M. Jensen, city engineer.

FRESNO, Fresno Co., Calif.—City council declares intention (101-D) to install lighting system in Stanislaus St. bet. Van Ness Ave. and point 75-ft. northeast of O St., in O St., from Stanislaus St. to point 125-ft. NW from Stanislaus St., and in portions of Blackstone Ave., involving installation of 137 standards together with underground system. Comb. steel and cast iron standards. 1911 Act. Hearing March 13. H. S. Foster, city clerk. A. M. Jensen, city engineer.

PORTERVILLE, Tulare Co., Cal.—City council is considering the installation of a modern electroliner system in the business district. The project has the backing of the Porterville Realty Board.

MACHINERY AND EQUIPMENT

SACRAMENTO, Cal. — Morrison Chevrolet Co., Sacramento, awarded contract by city to furnish two truck chassis for use of the City Park Department.

RENO, Nevada—City council plans to purchase an asphalt heating machine for use in improving streets.

OAKLAND, Cal.—Pacific Coast Engineering Co., at \$8,468 awarded contract by City Port Commission to furnish dredge hull and ladder pipe.

BERKELEY, Alameda Co., Cal.—Kleiber Motor Truck Co. at \$5044 submitted low bid to city council to furnish dump truck for street department. Complete list of bids, all taken under advisement, follow:

Kleiber Co.	\$5044
Sterling Motor Truck Co.	5400
Moreland Sales Corp.	5396
Auto-Car Sales & Service Corp.	9000

OAKLAND, Cal.—Until March 6, 12 noon, bids will be received by Frank C. Merritt, city clerk, to furnish and deliver one 1½-ton motor truck. Bond of 15% of contract price required of successful bidder. Specifications on file in office of clerk.

SAN FRANCISCO.—Until March 5, 2:30 P. M., bids will be received by Board of Public Works to furnish and deliver a portable gravel plant for the Coast Range Division of the Hetch Hetchy Water Supply System, under Contract No. 121. Bond in the sum of one-half the amount of the contract price required of the successful bidder. Certified check 10% payable to clerk of the Board of Supervisors required with bid. Spec. obtainable from

the Bureau of Engineering, 3rd floor, City Hall, on deposit of \$5, returnable. NOTE—Bids were previously set to be opened on this equipment Feb. 26.

- EUREKA, Humboldt Co., Cal.**—W. H. Pierce, superintendent of equipment, California State Highway Commission, will receive bids on March 10, 2 P. M., for the purchase of the following equipment no longer required by the commission:
- CHC 1309** Liberty cargo body truck.
" **1318** Standard truck chassis with cab.
" **1319** Standard truck chassis with cab.
" **2027** Liberty dump truck.
" **2349** G. M. C. truck chassis with cab.
" **2433** Ford Express Model T.
" **2484** Ford Express Model T.
" **2536** Ford Express Model T.
" **2350** G. M. C. 2-ton truck chassis with cab.
" **2353** G. M. C. 2-ton truck chassis with cab.
" **2354** G. M. C. 2-ton truck chassis with cab.
" **2584** Chevrolet 1-ton Screenslide truck.
" **2** Crusher, Acme rock.
" **112** Engine, Cadillac gas.
" **19** Grader, Austin Giant 8 ft.
" **53** Kettle, Tarrant Asph. Heating.
" **21** Loader, Mandt wagon
" **5** Pump Unit, 4x5-in. FM.
" **56** Pump unit, 4x5-in. FM type ZA.
" **57** Pump unit, 4x5-in. FM type ZA.
" **59** Pump unit, 3-inch, Gould Centrifugal.
" **67** Pump unit, 3-inch, Gould Centrifugal.
" **2** Roller, Case 12-ton steam, 3 wheel.
" **3** Roller, Buffalo Pitta 12-ton steam, 3 wheel.
" **2** Saw Drag, No. 2 Blue Break
" **12** Saw Drag, Diamond H, Falling attach.
" **3** Scraper, Bagley dragline, 1 yard.
" **8** Scraper, Bagley dragline, 2½ yard.
" **5** Spreader, 8 foot lime.
" **132** Engine, Cadillac gas.
" **7** Pump unit, 4x5-in. Gould.
" **12** Saw Rig, Portable, 20-in. saw frame.
" **14** Shovel, P. & H. gas, ¾ yd. cap.
" **9** Holst, Willamette-Yarder 4 drum steam.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at Eureka, California, from 8:30 A. M. to 4:30 P. M. on any working day, except the following which may be inspected at Highway yards at Crescent City:

CHC 132 Engine, Cadillac, gas.
" **7** Pump unit, 4x5-in. Gould.
" **12** Saw Rig, portable, 20-inch
" **14** Shovel, P. & H. Gas, 4-yd. cap.

And the following which may be inspected at Elk Valley:

CHC 9 Holst, Willamette-Yarder, 4-drum steam.

Deliveries will be made as soon as approval of sale is obtained from the Department of Finance which usually takes one to two weeks. All bids should be addressed to W. H. Pierce, Superintendent of Equipment, Shop 1, Division of Highways, Eureka, Calif.

EUREKA, Humboldt Co., Cal.—W. H. Pierce, superintendent of equipment, California State Highway Commission, will receive bids March 10, 2 P. M., for the purchase of the following equipment no longer required by the commission:

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

CHC 1342 Standard truck chassis with cab.
 " 2 Elevator, 30 ft. bucket. :
 " 119 Engine, Cadillac Gas.
 " 133 Engine, Cadillac Gas.
 " 50 Kettle, Spearswell Asphalt Heating.
 " 9 Pump Unit, 3½x6 inch, Gould.
 " 1 Saw Rig, Portable C. H. & E.
 " 153 Trailer, Steel tired wagon.
 " 10 Lambert Steam Hoist 2 drum.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at Willits, California, from 8:30 A. M. to 4:30 P. M. on any working day, except the Lambert Steam Hoist, 2 drum, CHC 10, which may be inspected at the Highway quarry at Laytonville.

Deliveries will be made as soon as approval of sale is obtained from the Department of Finance which usually takes one to two weeks. All bids should be addressed to W. H. Pierce, Superintendent of Equipment, Shop 1, Division of Highways, Eureka, Calif.

RAILROADS

SAN FRANCISCO.—Interstate Commerce Commission denies application of Western Pacific Railroad to construct its proposed line from San Francisco Bay District to Fresno. Company officials announce that a rehearing will be asked. The company has two other applications before the commission, one with the Great Northern Railway which provides that the latter road enter California and connect with the Western Pacific, the other for permission to construct a line from San Francisco to Redwood City, which would be connected with its main line at Niles via a bridge across San Francisco Bay.

STOCKTON. San Joaquin Co., Cal.—Southern Pacific Railroad has filed application with the Interstate Commerce Commission to construct a 4-mile spur from the intersection of Los Angeles Ave. and the Borden Highway in Stockton to a point on the east bank of the Burns Cut-Off. The purpose of the extension is to serve industries which will locate in that district because of Stockton's deep water project.

WINSLOW. Ariz.—Sharp & Fellows Contracting Co., Central Bldg., Los Angeles, has been awarded a contract on a yardage price basis for constructing 23 miles of secondary main line between Winslow and Joseph City, Arizona, for the Santa Fe Ry. The work will involve road-bed grading, construction of concrete foundations for the widening of two steel bridges and the construction of a number of timber bridges, culverts and headwalls.

HOLTVILLE. Imperial Co., Calif.—Southern Pacific Co. has filed applications with the Interstate Commerce Commission to build and operate 5.5 miles of railway between Sandia and Holtville. From Holtville the railway will use the Holton Interurban tracks into El Centro.

FRESNO. Fresno Co., Calif.—Santa Fe Railroad will improve crossings at Fresno St. and Ventura Ave. on main line, involving placing heavier rails, plank and concrete pavement; estimated cost \$11,500.

LOS ANGELES. Cal.—Until 2 P. M., March 3, bids will be received by the county supervisors for furnishing 4000 railway ties for the flood control department.

FIRE ALARM SYSTEMS

SAN MATEO. San Mateo Co., Cal.—Until March 3, 3 P. M., bids will be received by E. W. Foster, city clerk, to furnish material and construct Fire Alarm System. Certified check of 10% required. Plans on file with city clerk. See call for bids under official proposal section in this issue.

FIRE EQUIPMENT

GUADALUPE. San Luis Obispo Co., Cal.—Guadalupe Fire District has been organized and will spend \$4,144 in the purchase of fire fighting apparatus.

SAN BRUNO. San Mateo Co., Cal.—Fire Chief Jos. Senger contemplates purchase of resuscitating and inhalator devices for use of department.

SAN JOSE. Santa Clara Co., Cal.—Murray Rubber Co., Trenton, N. J., at \$1,660 awarded contract by city council to furnish 2,500-ft. 2½-inch fire hose. American Rubber Co., Oakland, at \$750 awarded contract to furnish 1,000-ft. of similar hose.

BLUE LAKE. Humboldt Co., Cal.—Fire Chief Loren De Motte authorized to purchase 200 ft. 1½-in. fire hose, two nozzles and a Siamese coupling. The material will probably be purchased in the open market.

MISCELLANEOUS SUPPLIES AND MATERIALS

BERKLEY. Alameda Co., Cal.—California Metal Enameling Co., 557 Market St., San Francisco, at \$654.46 submitted low bid to city council to furnish city with "street name" signs. Flexaml Sign Co., 901 E-Fourteenth St., Oakland, only other bidder at \$662. Taken under advisement.

RESERVOIRS AND DAMS

SAN DIEGO COUNTY. Cal.—Geo. W. Clemson, Los Angeles, files application with the State Department of Public Works, Division of Water Rights, for authorization to construct a dam in San Marcos Creek in San Diego County and divert 1239 acre feet of water a year for the irrigation of 800 acres of land. He proposes to erect a dam 38 feet high and 205 feet long. The irrigation system to be installed, exclusive of the dam, is estimated to cost \$10,000.

PIPE LINES, WELLS, ETC.

OAKLAND. Cal.—Pacific Coast Engineering Co., Foot of 14th St., Oakland, at \$8468 awarded contract by City Port Commission to furnish dredge and hull pipe.

SEWERS AND SEWAGE DISPOSAL PLANTS

STANISLAUS COUNTY. Calif.—J. City Engineer Harry Goodridge making surveys for 400 ft. storm sewer tunnel in the Cragmont slide area, just east of Cragmont Ave. near the Bret Hart road. Preliminary estimates place the cost at \$2680, exclusive of \$5000 to completely drain the slide area.

VALLEJO. Solano Co., Calif.—City Engineer T. D. Kilkenny is making surveys for sewer system in the north and east sections of the city to be financed by Sewer District No. 1, Solano county; will be from 18- to 36-in. dia. and will start at the extreme northern Vallejo city limits and empty into the bay at foot of Ryder St., So. Vallejo. Pumping plant will be included.

OROVILLE. Butte Co., Calif.—City Engineer S. J. Norris completing surveys for storm sewer extensions. Tentative plans will be submitted at the city council meeting on March 3.

SOUTH SAN FRANCISCO. San Mateo Co., Calif.—South San Francisco Land and Improvement Co. petitions city council to construct adequate sewers in industrial tract in Linden Ave., declaring that present conditions retard industrial growth.

CORONADO. San Diego Co., Calif.—The city council has voted to place on the April ballot a \$60,000 bond issue for constructing a modern sewage treatment plant. E. A. Ingham is manager of operations for the city.

PACIFIC GROVE. Monterey Co., Cal.—City council declares intention (3170) to improve Congress Ave. bet Sinex Ave. and south city limits and Sinex Ave. between alley extension to Park St. and Congress Ave., involving 6-in. vit. sanitary sewer, 4 brief manholes. 1911 Act. Bond Act 1915 Hearing March 20. W. G. Stubbs, city clerk.

SPARKS. Nevada.—Until March 24 bids will be received by city council to construct sewage disposal plant from plans of C. C. Kennedy, engineer, Call Bldg., San Francisco. Plan provide for new mains to eliminate pumping system. Plant will comprise retaining tank, concrete sludge digestion tank with sludge beds adjoining

CONTRACTORS' MACHINE WORKS

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Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments; Blacksmithing and Welding.

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 ZOE ST., bet. 3rd and 4th, off Brannan St.

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SAN FRANCISCO

Plans on file in office of engineer in San Francisco and the city clerk at Sparks.

MISCELLANEOUS CONSTRUCTION

LOS ANGELES, Calif.—Until 10 A. M., March 19, bids will be received by the board of public works for the construction of three tunnels and appurtenant work in connection with the Figueroa St. Extension, in accordance with plans prepared by Merrill Butler, chief bridge engineer, City Hall. The work involves construction of three concrete and tile lined tunnels through Elysian Park, the tunnels to be approx. 46.5 ft. in width by 28 ft. high, of semi-circular shape, of an aggregate length of 996 feet. There will be one 5-ft. walk with 1½-ft. curb on the opposite side. In addition to the tunnels, the job will include storm drain estimated at about \$30,000, retaining wall, and necessary walks and cement concrete paving. The cost is roughly estimated between \$700,000 and \$800,000. Project will involve: 351 ft. cross section No. 1, incl. tunnel excav.; 100 ft. cross section No. 2, incl. tunnel excav.; 45 ft. cross section No. 3, incl. tunnel excav.; 1521 sq. yds. white glazed tile surf., incl. plas. backing; 7349 sq. yds. plas. of tunnel arches; all light. fix. fixtures, metal standards, etc.; all portal walls and approach walls; storm drain and sanitary sewers; transformer vault and fiber conduit; pedestrian subway at Sta. 0 plus 74.89; pedestrian subway at Sta. 12 plus 80; 184,531 sq. ft. 8-in. corr. pave.; 1633 ft. heavy unplas. curb; 122 ft. light unplas. curb; 2613 ft. 21-in. special unplas. curb; 389 ft. 12-in. special unplas. curb; 221.47 ft. steel curb armor; 70,603 cu. yds. excav. unclass. outside of tunnels, not incl. struc. excav. below rdwy. or sidewalk subgrade; 22,444 sq. ft. one-course walk; 2456 ft. wire fence in place, incl. four gates; 2798 sq. ft. conc. pave. 6-in. thick; 671 sq. ft. 4-in. asph. conc. wearing surf.; 453 sq. ft. 4-in. conc. driveway; 6337 sq. ft. class AAA. resurf., oiled rdwy.; 224 ft. reinf. integral curb; 501 sq. ft. 6-in. conc. gutter.

Following items refer to Riverside Drive, South, north of North Portal of Tunnel No. 3:

Remove indicated portions of existing bridge; all steel reinf. in place; 439 cu. yds. class F conc.; 382 cu. yds. class C conc.; conc. hand rail; conc. lighting standard with lanterns, etc.; 3271 sq. ft. 8-in. asph. conc. pave.; 523 sq. ft. 3-in. asph. conc. wearing surface.

WATER WORKS

MARTINEZ, Contra Costa Co., Cal.—Construction will be started shortly by the California and Hawaiian Sugar

Corp., on a pipe line from Soscol wells over the Carquinez bridge to Crockett. The company proposes to pump 1,000,000 gals. daily to its Crockett refinery.

TURLOCK, Stanislaus Co., Calif.—City council has authorized installation of Pumping Station No. 6 near the intersection of Washington Street and Lateral No. 4.

ORANGE, Orange Co., Cal.—Until 1 P. M., March 4, bids will be received by the city council for furnishing 4,000 ft. 6-in. cast iron, class B or class 150 bell and spigot water pipe. Cert. check 10%. Paul E. Clark, city clerk.

WATSONVILLE, Santa Cruz Co., Cal.—Until March 11, 7:30 P. M., bids will be received by M. M. Swisher, city clerk, to construct a slow sand filter plant and appurtenances, reservoir lining and cover and other water works improvements, under the recently voted \$125,000 bond issue.

The project comprises the following principal features:

(1) A concrete slope and bottom, lining, concrete piers and wooden roof, together with certain piping, water measuring device and other improvements and at the two main distributing reservoirs at Freedom Village, approximately 2 miles west of north of the business district of Watsonville.

(2) A slow and filter plant having a nominal maximum capacity of 2.5 million gallons daily, embracing a sedimentation basin, 5 filter units, sand storage bin, filtered water basin, 50,000-gallon storage tank, head house, tool and storage houses, together with all piping and appurtenances, at and in the vicinity of Corralitos Village, approximately 7 miles west of north of the business district.

The following approximate quantities are involved in the above improvements:

6700 cubic yards of net excavation for structures;

2550 cubic yards of concrete, mostly reinforced;

212,500 feet, board measure, of lumber in roofs and elsewhere;

6000 linear feet of water and drain pipe ranging from 1-inch to 20-inches in size and of various materials.

In addition to the above there will be grading work and considerable other work of a miscellaneous nature.

Certified check of \$10,000 payable to the City Treasurer required with bid. Bond of 50% of the contract price will be required of the successful bidder.

Plans obtainable from H. B. Kitchen, city engineer, and from C. G. Hyde, consulting engineer, Berkeley, on deposit of \$25, returnable. Plans and specifications are on file in the

office of Daily Pacific Builder and may be inspected by those interested.

SAN MATEO, San Mateo Co., Cal.—Until March 3, 8 P. M., bids will be received by E. W. Foster, city clerk, for furnishing standard wrought steel pipe and fittings. Specifications on file in office of city clerk.

ST. HELENA, Napa Co., Calif.—Until March 11, 8 P. M., bids will be received by E. R. Palmer, town clerk, to replace certain water mains with bell and spigot cast iron pipe and fittings and to replace all household meter connections with new pipes and valves, together with new connections for future use, in Madrona Avenue, Adams and Spring Sts., Oak Ave. and Pope St. Plans obtainable from John A. Mitchell, town engineer.

OAKLAND, Calif.—Following bids taken under advisement by East Bay Municipal Utility District to furnish water pipe: "A" 5700 ft. 24-in. electric welded, sheet steel pipe, with ¼-inch walls and alternate proposals for 4,000 ft. of additional of similar pipe. 20-in. in diameter; or the same amount of cast iron pipe of the like size, under proposal "B" or "C".

Steel Tank & Pipe Co. of California, 1100 4th St., Berkeley, proposal A, \$22,116; B, \$11,000; total \$33,116.

Montague Pipe & Steel Co., San Francisco, A, \$23,484; B, \$12,920; total, \$36,404.

The U. S. Pipe & Foundry Co., of San Francisco, bid C, \$11,000.

The American Cast Iron Pipe Co., San Francisco, C, \$14,490.

FULLERTON, Orange Co., Calif.—Burns - McDonnell-Smith Engineering Corp., 422 Western Pacific Bldg., Los Angeles, has been retained by the city council to make a survey of the present city water system and to make recommendations as to future expansion. According to the contract, a written report will be filed with the council. C. A. Smith was named as consulting engineer.

HANFORD, King Co., Cal.—Byron Jackson Co., Sharon Bldg., San Francisco, at \$1,263 awarded contract by city council to furnish and install, complete, motor driven deep well pressure pump, together with motor, tank, switchboard and other accessories.

SALEM, Oregon.—C. Dudley DeVelbiss, 354 Hobart St., Oakland, Calif., at \$101,655 awarded contract by city council to construct filtration plant in connection with municipal water system. Filters will be in six units of 1,000,000-gals. capacity each.

NAPA, Napa Co., Cal.—Until March 3, bids will be received by city council to furnish and deliver two carloads of pipe for water system extensions. H. A. Harrold, city engineer.

STANISLAUS COUNTY, Cal.—J. M. de Souza, Rt. 3, Box 944, Modesto, files application with State Department of Public Works Division of Water Rights, Sacramento, seeking authorization to pump 10 cubic feet a second between March and October from the Tuolumne River to irrigate forty acres of land he owns in Stanislaus County. A 2,000-foot ditch and pump of 4500 gallons capacity he intends to install, would cost \$1500.

RICHVALE, Butte Co., Calif.—See "Factories and Warehouses," this issue. Sub-bids wanted for 50,000-gal. steel water tank and tower, etc.

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Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT, AND SAND FLOAT FINISH

Sold by Representative Dealers Everywhere

STREETS AND HIGHWAYS

RENO, Nevada.—Hearings will be held March 24 by the Reno city council on the proposed sidewalk, curbs, gutters and alley paving program for the year 1930. Improvements are contemplated in the First, Fourth, Fifth and Sixth Wards.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5024) to improve Fifteenth street between Taylor and Mission streets, involving grading; 1½-in. asph. conc. surface pavement on 3-in. asph. conc. base; conc. curbs, gutters and walks; 4-in. vit. pipe house lateral sewers. 1911 Act. Bond Act 1915. Hearing March 10. John J. Lynch, city clerk. Wm. Pepp, city engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—County supervisors defer action on proposed improvements in Atascadero district until March 11, due to protests of property owners. The work includes paving, culverts, fire hydrants, etc., in Assessment District No. 18.

LOS ANGELES COUNTY, Cal.—Doering, Von der Hellen and Pierson, Berkeley, at \$537,629 awarded contract by State Highway Commission to grade 7.1 miles between Castaic School and Canton Creek.

LOS ANGELES, Cal.—Contratto Bros., 2955 Cudahy St., Walnut Park, at \$136,615 awarded contract by county supervisors to construct sewers in Belvedere Unit No. 2, Blanchard St., etc., involving 8-in., 12-in. and 15-in. cement pipe sewers.

SANTA CRUZ, Santa Cruz Co., Cal.—City council petitioned to pave Owen St. and construct overhead crossing at Southern Pacific tracks. The cost of the crossing and approaches would cost between \$7500 and \$10,000, according to preliminary estimates. Referred to Roy Fowler, city engineer, for report.

BERKELEY, Alameda Co., Cal.—Western Roads Co., 23th and Poplar Sts., Oakland, at \$1122 awarded contract by city to pave Shattuck Ave. north of Vine St. City Engineer Harry Goodridge estimated to cost at \$1462.

OAKLAND, Cal.—Central Construction Co., Oakland Bank Bldg., Oakland, awarded contract by City Port Commission for paving area at rear of 14th St. wharf.

SAN FRANCISCO—Until March 10, 11 A. M., bids will be received by Contracting Quartermaster, Fort Mason, to resurface road at Fort Winfield Scott. Specifications obtainable from above.

LOS ANGELES, Cal.—City council of Los Angeles has approved recommendations by City Engineer J. J. Jessup that Venice Blvd. be widened to 50 ft. on each side of the Pacific Electric Railway, between Walgrove Ave. in Venice and Overland Ave. in Palms. The proposed improvement will cost \$218,000.

CALAVERAS COUNTY, Cal.—Beerman & White, Stockton, at \$67,956 awarded contract by State Highway Commission to surface with untreated crushed gravel or stone, 15.5 miles between Murphy's and Big Trees.

SAN JOSE, Santa Clara Co., Cal.—A. J. Ralsch, 46 Kearny St., San Francisco, at \$16,828.23 awarded con-

tract by city council (4986) to improve 19th St. bet. St. James and Washington Sts., involving 1½-in. asph. conc. surface paving on 3-in. asphaltic concrete base; cem. conc. curbs and gutters; walks; vit. pipe house lateral sewers; 3 cem. concrete storm water inlets.

MONTEREY, Monterey Co., Calif.—City council declares intention (2940) to improve Camino Bienvenida and Via Mirada, involving 2½-in. asph. conc. pave. on existing macadam base and Copa Del Oro, involving grading; 2½-in. asph. conc. base pave. with 1½-in. asph. conc. surface; concrete curbs and gutters; 5 catchbasins with 12-in. pipe connections. 1911 Act. Bond Act 1915. Hearing March 11. Clyde A. Dorsey, city clerk.

EL CENTRO, Imperial Co., Calif.—Until 2 P. M., March 4, bids will be received by the county supervisors for the following: Crushed rock, all minus one-half inch mesh with not to exceed 20 per cent fines, to be delivered at a rock crushing plant to be erected by the contractor at base of Signal Mountain in Imperial County; bidder to set forth prices on such crushed rock to be delivered in the following quantities: 2000 tons per month, 1350 yards per month, 4000 tons per month, 2700 yards per month, 6000 tons per month, 4000 yards per month. Contractors to furnish a minimum quantity of 2000 tons or 1350 yards per month and county of Imperial to accept a minimum of 2000 tons or 1350 yards per month. Contract to terminate June 30, 1930, and county to have privilege of renewing contract from year to year for five years. C. G. Mousseau, clerk of the board.

SAN RAFAEL, Marin Co., Calif.—Pacific States Const. Co., Call Bldg., San Francisco, at \$35,899.60 awarded contract to improve streets in Cascades Imp. Dist. No. 1, including portions of Cascade Drive, Redwood Ave., Laurel Drive, Hickory Ave., etc., involving grading; pave with Dur Emulse asphalt; corrugated iron pipe culverts; hyd. cem. conc. drain inlets, catchbasins, etc. Est. cost \$30,000. Work under County Imp. Act 1921. Following is a complete list of the bids.

Pacific States Const. Co.	\$35,899
Highway Builder, Ltd.	36,290
California Const. Co., S. F.	36,478
McDonald & Maggiorio, Sausalito	37,489

LONG BEACH, Cal.—D. P. Durham, 900 Raymond Ave., Long Beach, was awarded contract by the city council at \$35,206 to improve Easy Ave., Fashion Ave. and Gale Ave. and other streets, under 1911 Act, involving: grading; 183,267 sq. ft. 4-in. D. G. pave; curbs, walks, gutters.

ANAHEIM, Orange Co., Cal.—City council declares intention (217) to imp. S Palm St. from W Broadway to Vermont Ave., involv. 6-in. asph. conc. pave, curb, walk, gutter, 6-in. class A conc. driveways and approaches, corr. iron pipe water ways, gas service lines, etc. 1911 Act. Hearing March 11. E. B. Merritt, city clerk.

ALAMEDA, Alameda Co., Cal.—Until March 18, 8 P. M., bids will be received by W. E. Varcoe, city clerk (95) to improve Park St. from its north termination at San Antonio Estuary to San Jose Ave., involving widening for 3½-ft. on each side of the street; construct concrete gutters, curbs, corr. iron culverts and pave widened area with asphalt concrete. Acq. and Imp. Act 1925. Est. cost, \$31,000. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Burnett Hamilton, city engineer.

MONTEREY, Monterey Co., Cal.—City council has started proceedings to improve Camino Bienvenida, Mirado and Copa del Oro in the Mesa Tract, involving grading and asphalt pavement. H. B. Severance, city engineer.

SAN BERNARDINO CO., Cal.—Until March 19, 2 P. M., bids will be received by State Highway Commission to grade 1.9 miles between The Pass and 2 miles down Watson Canyon. C. H. Purcell, state highway engineer.

See call for bids under official proposal section in this issue.

SAN JOSE, Santa Clara Co., Cal.—Until March 3, 8 P. M., bids will be received by John J. Lynch, city clerk (4965) to improve 33rd St. bet. San Fernando and San Antonio Sts., involving grading; 1½-in. asph. concrete surface on 3-in. asph. concrete base pave; conc. curbs, gutters, walks; 4-in. vit. san. house lateral sewers. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of city clerk. Wm. Pepp, city engineer.

SALINAS, Monterey County, Cal.—Montford and Armstrong, Sacramento at \$16,125 awarded contract by county supervisors for crushing and stockpiling broken stone for the Carmel Valley Road in Supervisor District No. 5. Complete list of bids follows:

Montfort & Armstrong, Sacto.	\$16,125
Falling McDonald	17,500
E. Bishop	17,625
A. A. Tieslau, Berkeley	17,750
M. J. Murphy, Carmel	18,500

SALINAS, Monterey County, Cal.—A. Telchert, 1846 37th St., Sacramento, at \$23,300 awarded contract by county supervisors for crushing and stockpiling rock in Supervisor Districts Nos. 3 and 4. Complete list of bids follows:

Meyer Rosenberg, S. F.	\$31,320
A. Telchert, Sacramento	32,300
Granite Const. Co., Watsonville	33,900

Note.—Bid of Meyer Rosenberg, low bidder, was declared irregular.

SALINAS, Monterey County, Cal.—J. L. Conner, Monterey, at \$3,797.50 awarded contract by county supervisors to construct earth approaches to Lonoak and Pancharico Creek Bridges in Supervisor District No. 4. Complete list of bids follows:

J. L. Conner, Monterey	\$3,797
Lang Transportation Co., L. A.	4,665
Meyer Rosenberg, San Francisco	4,774
Tiffany, McReynolds & Tiffany	4,774
W. H. Dontanville, Salinas	5,316

SALINAS, Monterey County, Cal.—J. L. Conner, Monterey, at \$9,109 awarded contract by county supervisors to grade and surface the Bitterwater road from King City to the county line in Supervisor District No. 3. Complete list of bids follows:

J. L. Conner, Monterey	\$9,109
Lang Transportation Co., L. A.	14,320
A. Telchert, Sacramento	14,487
W. H. Dontanville, Salinas	15,331
Guerin Bros., San Francisco	19,432
Meyer Rosenberg, S. F.	24,556

OAKDALE, Stanislaus Co., Calif.—Proceedings will be started at once by city council to pave five blocks of G St. between Third Ave. and West St. Project will be financed with money from the General Fund.

PERSHING CO., Cal.—J. N. Tedford Fallon, Nev., at \$88,140.60 awarded contract by State Highway Commission to grade, construct structures and gravel surface, 22.24-miles in Pershing County between Woolsey and two miles south of Humboldt House. Complete list of bids follows:

J. N. Tedford, Fallon, Nev.	\$88,140
A. D. Drumm, Jr., Fallon, Nev.	91,858
Dodge Bros., Inc., Fallon, Nev.	94,672

Nevada Rock & Sand Co., Reno 100,354
Isbell Const. Co., Carson City, 106,009
Planagan Warehouse Co., Reno, Nevada, at \$3,164.30 awarded contract to furnish corrug. metal pipe culverts in connection with the above project. Complete list of bids follows:

Planagan Warehouse Co., Reno, Nevada	\$3,164
California Corrugated Culvert Co., West Berkeley, Calif.	3,232
Superior Culvert & Plume Co., Oakland, Calif.	3,655
W. E. Newman & Sons Co., Ogden, Utah	3,749

SAN MATEO, San Mateo Co., Cal.—Until March 3, 8 P. M., bids will be received by E. W. Foster, city clerk, for grading East San Mateo Park at Monte Diablo Ave. and North Eldorado St. Plans on file with city clerk.

SALINAS, Monterey Co., Cal.—Until March 10, 10 A. M., bids will be received by C. F. Joy, county clerk, to construct a portion of the Arroyo Seco Road from point near Grubers to point near Abbotts Lake, is Supervisor District No. 3, involving:

- (1) 52,000 cu. yds. excavation without class, and without overhaul;
- (2) 600 lin. ft. 12-in. corr. iron culverts;
- (3) 80 lin. ft. 18-in. corr. iron culverts;
- (4) 132 lin. ft. 24-in. corr. iron culverts.

Plans obtainable from County Surveyor Howard Cozzens on deposit of \$10.

SALINAS, Monterey Co., Cal.—Until March 10, 10 A. M., bids will be received by C. F. Joy, county clerk, for construction of concrete pavement on Monterey-Carmel Rd., from Monterey city limits to a point on the Hatton Road opposite Ocean Ave. in Supervisor District No. 5, involving:

- (1) 29,766 sq. yds. subgrade for pave;
- (2) 5,809 cu. yds. class A Portland cement concrete (pavement);
- (3) 152,674 lbs. reinforcing steel (pave.)

Plans on file in office of county clerk and obtainable from County Surveyor Howard Cozzens on deposit of \$10, returnable.

SACRAMENTO, Cal.—Until March 3, 5 P. M., (to be opened 8 P. M.) bids will be received by H. G. Denton, city clerk, (2295) to improve alley between S and T, 26th and 27th Sts., involving c. l. drains; vit. sewers; reconstruct manhole; grade; 1-in. water main connections; hydraulic concrete pavement. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. B. C. Clark, city engineer.

SAN FRANCISCO—Board of Public Works recommends to supervisors that portion of Rincon Hill be cut down to provide 6-acres of level land for additional industries. The cost of the grading is estimated at \$150,000, to be financed by property owners in the district.

VALLEJO, Solano Co., Cal.—City council declares intention (169) to improve Lozier alley between Sonoma and Sutter Sts., involving grading; r. w. curbs; 5-inch cem. concrete pavement. 1911 Act. Bond Act 1915. Hearing March 11. Alf. E. Edgumbe, city clerk, T. D. Kilkenny, city engineer.

VENTURA, Ventura Co., Calif.—County Engineer C. W. Pettit preparing plans for widening and straightening Santa Susana Grade. Est. cost, \$50,000. An appropriation will be asked for in the July budget.

SAN FRANCISCO.—Chas. Harney, Call Bldg., at \$3,217 awarded contract by Board of Public Works to improve 28th Ave. bet. Moraga and Noriega Sts., and 31st Ave. bet. Judah and Kirkham Sts. (where not), involving concrete curbs; side sewers; 6-inch concrete base, 1½-in. asph. concrete surface pavement.

SAN FRANCISCO.—A. G. Ralsch, 46 Kearny St., at \$907 awarded contract by Board of Public Works to improve Ortega St. bet. 45th Ave. and Great Highway (where not), involving armored concrete curbs, 1 side sewer; 6-in. conc. base pave., 1½-in. asph. concrete surface.

SAN FRANCISCO.—L. Gallagher, 822 25th Ave., at \$144 awarded contract by Board of Public Works to improve Somerset St. bet. Silver Ave. and Silliman St. (where not), involving 1½-in. asph. conc. surface pave.

SAN FRANCISCO.—C. L. Harney, 74 New Montgomery St., at \$12,997, awarded contract by Board of Public Works to improve Castro St. from pavement in 29th St. to 30th St. and 30th St. east to pavement in 20th St., involving grading; construct reinforced concrete stairways with 2 pipe railing, reinf. concrete wall; curbs, fence, gutters and coping; ironstone sewers with manholes, wye branches and side sewers; brick catch basins; gutter sump and storm water inlets and at 29th, Day and 30th Sts., by construction of red warning lights and reflectors; 6-in. conc. base pavement with 1½-in. asph. conc. surface; and a concrete pavement and art. stone sidewalks.

SAN FRANCISCO.—Meyer Rosenberg, 12 Oak Grove Ave., at \$5,023 awarded contract by Board of Public Works to improve Capitol Ave. bet. Lakeview Ave. and Thrift St., including crossings of Lakeview Ave. and Thrift St., involving grading; concrete curb, walks; r. catchbasins; 6-in. vit. clay pipe side sewers; conc. pavement and light traffic conc. base pavement with 2-in. asph. conc. surface.

SAN FRANCISCO.—A. G. Ralsch, 46 Kearny St., at \$3,049 awarded contract by Board of Public Works to improve Kirkham St. bet. 16th and 17th Aves., involving conc. curbs; 12-in. ironstone pipe sewer with wyes and side sewers; 6-in. conc. base, 1½-in. asph. conc. surf. pave.

SAN BERNARDINO CO., Calif.—As previously reported, bids will be received March 19 by State Highway Commission to grade 1.9 miles bet. The Pass and 2 miles down Waterman Canyon. Project involves: 26 acres clearing and grubbing right of way; 219,000 cu. yds. rdwy. excav. without class; 241,000 cu. yds. overhaul; 1500 cu. yds. structure excav.; 521 cu. yds. class A Port. cem. conc. (struct.); 78,800 lbs. reinf. steel (struct.); 464 lin. ft. 18-in., 530 lin. ft. 24-in., 434 lin. ft. 30-in. and 116 lin. ft. 48-in. corr. metal pipe; 60 lin. ft. corr. metal pipe (clean and relay); 600 bbls. fuel oil; 1 mile new property fence; 101 sta. flash rdwy.; 95 monuments. State will fur. corr. metal pipe.

LOS ANGELES, Cal.—County supervisors declare intention for improvements in A. & I. No. 228, Orangewood Blvd. and other streets in the vicinity of San Gabriel Blvd. and Anaheim-Telegraph Road, involving: 50,604 cu. yds. grading; 464,837 cu. ft. 6-in. and 146,978 sq. ft. 8-in. asph. conc. pave.; 130,498 sq. ft. 3½-in. walk; 24,308 ft. 6x9x15-in. curb; 8690 ft. 6x10x18-in. curb; 468 ft. curb armor; 102,710 sq. ft. gutter; 21,599 sq. ft. cross-gutter; 651,815 sq. ft. 4-Inch D. R. sub-base;

298 ft. 10-in. and 176,619 ft. 8-in. cem. sewer; 6862 ft. 6-in. cem. house sewers; 19 brick junction chambers; 27 manholes; 11 flushing manholes; four double flushing manholes; 2410 ft. ¾-in. galv. iron pipe. Est. \$231,686.64. Hearing, March 3.

SAN FRANCISCO.—P. J. McHugh, 466 36th Ave., at \$6,710.75 awarded contract by Board of Public Works to improve Clayton St. at Market St.

SAN FRANCISCO.—P. McHugh, 466 36th Ave., at \$744 awarded contract by Board of Public Works to improve 21st Ave. bet. Noriega and Ortega Sts. (where not), involving concrete curbs; 6-in. conc. base pavement with 1½-in. asph. conc. surface.

ALTURAS, Modoc Co., Calif.—State Highway Commission has advised city council that it will contribute \$25,000 to pave the main street through Alturas. The total cost of the improvements is placed at \$75,000 and provides for paving Main St. from 12th Street through the business section to Pit River bridge below Carlos St. E. E. Elliott is city clerk.

VALLEJO, Solano Co., Cal.—City Engineer T. D. Kilkenny completing plans to improve Lozier alley between Carolina and Florida Sts.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on March 19, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Marin County, an overhead crossing over the tracks of the Northwestern Pacific Railroad at Forbes Station (IV-Mrn-1-A), consisting of one 46-foot steel beam span and 190 feet of timber trestle on pile bents.

San Bernardino County, between The Pass and two miles down Waterman Canyon (VII-ESD-43-A), about one and nine-tenths (1.9) miles in length, to be graded.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a represent-

ative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS,

C. H. PURCELL,
State Highway Engineer.
Dated February 19, 1930.
(Feb. 24, March 3-10-17)

NOTICE TO CONTRACTORS

MECHANICAL WORK

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, March 25, 1930, said bids thereon for said day to be publicly opened and read, for the installation and completion of the Mechanical Work for the Assembly Building, Chico, State Teachers' College, Chico, California, in accordance with plans and specifications therefor.

Mechanical Work includes Plumbing, Heating, Ventilating, and Electrical Work. Separate bids will be received for "Electrical Work" and for "Plumbing, Heating, and Ventilating Work." Combined bids will also be received covering all four branches of the work.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications and proposal forms may be secured by licensed contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State

Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE
GEO. B. McDOUGALL,
State Architect.
B. B. MEEK,
Director of Public Works.
(Feb. 23; March 7-14-21)

NOTICE TO CONTRACTORS

GENERAL WORK

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, March 25, 1930, thereafter or said day to be publicly opened and read for the erection and completion of the General Work for the Assembly Building, Chico State Teachers' College, Chico, California, in accordance with plans and specifications therefor.

The building is a two-story steel and concrete frame structure with balcony, brick and concrete walls, concrete floors and tile and composition roofs. The floor area is approximately 30,500 square feet with a seating capacity of approximately 1500.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications and proposal forms may be secured by licensed General Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929 and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE
GEO. B. McDOUGALL,
State Architect.
B. B. MEEK,
Director of Public Works.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on March 26, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Glenn County, between Logandale and Willows (111-Gle-7-A), about five and two-tenths (5.2) miles in length, to be paved with Portland cement concrete.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,
State Highway Engineer.
Dated February 25, 1930.

MICHEL AND PFEFFER OPEN BRANCH AT SEATTLE

Michel & Pfeffer Iron Works of San Francisco has opened a factory branch in the White-Henry-Stewart Building, Seattle, with L. D. Kelsey and Walter Chaplin, experienced engineers in charge. The company manufactures Ariston copper steel windows, bronze windows and doors, ornamental iron and ornamental metal and are Western agents for United Metal Products Company of Canton, Ohio.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
218	Loupe	Malloch	25000
219	Anderson	Owner	4000
220	Caro	Owner	1250
221	Carlson	Owner	4000
222	Elkington	Owner	5000
223	Owl	Duval	5000
224	Stoff	Owner	35000
225	Stoneson	Owner	21000
226	Anderson	Owner	4000
227	Christensen	Owner	4000
228	Christensen	Owner	4000
229	Commercial	McLean	1000
230	Getz	Owner	4000
231	Grosman	Owner	5000
232	Hardiman	Owner	8000
233	Metzgar	Shell	3000
234	Moyse	Coburn	2000
235	Rubine	McCall	4500
236	Sawyer	Owner	3725
237	Casanova	M. & M.	3500
238	Folsom	Mission	13450
239	Lurie	Cahill	41000
240	Pinkham	Owner	2000
241	Bothin	Siegrist	9000
242	St. Mary's	Johnson	12000
243	Wynne	Brooks	6000

STORES

(218) SW FILLMORE & POST Sts.; one-story reinforced concrete stores. Owner—L. G. Loupe, Alexander Bldg. Architect—S. Helman, Santa Fe Bldg. Contractor—J. S. Malloch, 666 Mission Street. \$25,000

DWELLING

(219) S VICENTE 52 E 15th Avenue; one-story and basement frame dwelling. Owner—C. Anderson, 150 Granville Way. Architect—None. \$4000

ALTERATIONS

(220) W 17th AVE. 275 N Geary St.; alterations to dwelling. Owner—J. Caro, 41 Sutter St., Rm. 309. Architect—None. \$1250

DWELLING

(221) W 21st AVE. 125 S Rivera; one-story and basement frame dwelling. Owner—J. Carlson, 2239 Bryant St. Architect—D. E. Jaekle, 744 Call Bldg. \$4000

DWELLING

(222) E 15th AVE. 75 N Vicente; one-story and basement frame dwelling. Owner—G. J. Elkington & Sons, 330 Vicente St. Architect—C. F. Strothoff, 2274 15th Street. \$5000

ALTERATIONS

(223) NW POLK and California Sts.; alterations to store fronts; install new fixtures. Owner—The Owl Drug Co., 611 Mission St. Plans by Contractor. Contractor—E. A. Duval, 207 Dalziel Bldg., Oakland. \$5000

APARTMENTS

(224) S SACRAMENTO ST. 100 W Franklin St.; four-story and basement class C (18) apts. Owner and Builder—L. D. Stoff, 26 Montgomery St. Architect—H. C. Baumann, 251 Kearny Street. \$38,000

DWELLINGS

(225) W CAYUGA 77 N Geneva; six, 1-story and basement frame dwellings. Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena Ave. Architect—C. F. Strothoff, 2274 15th Street. each \$500

DWELLING

(226) S VICENTE 52 E 15th Avenue; one-story and basement frame dwelling. Owner—C. Anderson, 150 Granville Way. Architect—None. \$4000

DWELLING

(227) NV 18th AVE. and Lawton St.; one-story and basement frame dwelling. Owner—H. Christensen, 1422 27th Ave. Architect—None. \$4000

DWELLING

(228) N LAWTON 95 W 18th Ave.; one-story and basement frame dwelling. Owner—H. Christensen, 1422 27th Ave. Architect—None. \$4000

REPAIRS

(229) 2051 SUTTER ST.; repair fire damage. Owner—Commercial Center Realty Co., 916 Kearny St. Architect—None. Contractor—R. A. McLean & Co., 666 Mission St. \$1000

DWELLING

(230) W 41st AVE. 157 N Geary St.; one-story and basement frame dwelling. Owner—Sol Getz & Sons, 24th Ave. & Lincoln Way. Plans by Owner. \$4000

DWELLING

(231) N NAVAJO 270 E Delano; one-story and basement frame dwelling. Owner—W. E. Grosman, 47 Curtis St. Architect—None. \$5500

DWELLINGS

(232) W 18th AVE. 50 S Kirkham; two 1-story and basement frame dwellings. Owner—M. D. Hardiman, 423 38th Avenue. Architect—None. each \$4000

SUPPLY STATION

(233) NE SCOTT & WALLER STS.; one-story concrete auto supply station.

Owner—F. W. Metzgar, Hobart Bldg., care Weissbein Bros., 582 Market Street. Architect—None. Lessee—Shell Oil Company, San Francisco. \$3000

ALTERATIONS & ADDITIONS

(234) 133 COMMONWEALTH AVE.; alterations and additions to dwelling. Owner—J. Moyse, care contractor. Architect—None. Contractor—Ira W. Coburn, Hearst Bldg. \$2000

DWELLING

(235) W ALABAMA 100 S Precita; one-story and basement frame dwelling. Owner—J. Rubino, 1627 Alabama St. Architect—None. Contractor—J. P. McCall, 52 Gladys Street. \$4500

DWELLING

(236) E MISSOURI 225 E 20th St.; one-story and basement frame dwelling. Owner—Mrs. E. Sawyer, 406 Keith St. Architect—None. \$3725

DWELLING

(237) NE FOOTE & Ellington; one-story and basement frame dwelling. Owner—Antinia Casanova, 519 Huron Avenue. Architect—None. Contractor—M. & M. Bldrs., 771 Hanover St. \$3500

BUILDING

(238) SE COR 17th and Connecticut Sts.; one-story and basement reinforced concrete light industrial building. Owner—Folsom St. Iron Works, 17th and Missouri Sts. Architect—T. W. Lenzen, 785 Market Street. Contractor—Mission Concrete Co., 272 Turk St. \$13,450

BANK & OFFICES

(239) NW MONTGOMERY & Summer Streets; seventeen-story and basement class A bank and office lobby. Owner—The Lurie Co., 315 Montgomery St. Engineer—O'Brien Bros., and W. D. Peugh, 315 Montgomery St. Contractor—Cahill Bros., 206 Sansome Street. \$410,000

ALTERATIONS

(240) 2023 ANZA ST.; alterations to add one story to dwelling. Owner—P. F. Pinkham, 2023 Anza St. Architect—None. \$2000

ALTERATIONS

(241) 511 HOWARD ST.; alterations to sales building. Owner—Bothin Real Estate Co., 604 Mission St. Architect—N. B. Green, Sharon Bldg. Contractor—F. R. Siegrist, 604 Mission Street. \$9000

DWELLINGS

(242) N BENTON 213 W Geneburn; two 1-story and basement frame dwellings. Owner—St. Mary's Park, 3901 Mission Street. Plans by D. E. Jaekle, 744 Call Bldg. Contractor—A. R. Johnson, 3901 Mission St. each \$6000

Capital City Title Company

J. C. PALEN

Manager

914 Seventh Street

Sacramento - California

DWELLING
(243) N JERSEY 100 E Chattanooga;
one-story and basement frame
dwelling.
Owner—M. J. Wynne, 101 Dolores St.
Architect & Contractor—D. K. Brooks
246 Faxon Ave. \$6000

BUILDING CONTRACTS

San Francisco County

45 Tosch Smith 2448

HUNGALOWS

(45) E BAYWOOD COURT 160 N
Geneva Ave. N 80 x E 50; general
construction on three four-room
bungalows.

Owner—Maurice Tosch.

Architect and Contractor—F. Smith.
Filed Feb. 20, '30. Dated Feb. 10, '30.

Roof on 25%
Plastered 25%
Completed 25%
Usual 35 days.....25%

TOTAL COST, \$2448

46 Dowling Phelan 5706

BUILDING

(46) N PELL ST. 75 E Shrader St.
E 25 x N 100; two-story frame
building with garage and social
hall in basement.

Owner—W. J. Dowling, 80 Tavaral St.
Architect—None.
Contractor—P. J. Phelan, 74 Macon-
dray.

Filed and Dated Feb. 25, 1930.

Rough frame up.....\$1250
Rough coat mortar on.....1250
Completed 1603
Usual 35 days.....1603

TOTAL COST, \$5706

Forfeit, \$5. Limit, 90 days. Plans and
Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted

Feb. 19, 1930—W 15th AVE 25 N
Lawton N 25 x 95. Herman Chris-
tensen to whom it may concern.....

February 19, 1930

Feb. 19, 1930—25 BEALE ST. P G
& E Co to H H Larsen Co.....

February 17, 1930

Feb. 19, 1930—SW BOSWORTH 140
NW Hamerton Ave NW 30 x SW
100 ptn Blk 6 Mission & 30th Sts
Exten Hd Union. Wm R Mc-
Knight to whom it may concern.....

February 17, 1930

Feb. 19, 1930—W DEHARO 100 S
22nd S 25 x 100. M Loscutto to
E Wiander.....

February 15, 1930

Feb. 18, 1930—SW COR W FORTAL
Ave and Vicente. T E Foster to
C T Magill.....

February 13, 1930

Feb. 18, 1930—SW BOWDOIN ST
175 NW Felton St NW 25 x SW
120. Wm F and G Bernell to
whom it may concern.....

February 12, 1930

Feb. 18, 1930—NE COR SUTTER &
Jones known as 732 Sutter St.
Ernest Hirsch to whom it may
concern.....

Feb. 18, 1930—E THIRTY-FOURTH
Ave 200 S Ulloa. Mrs. M Roche
to Robert A Roche.....

Feb. 17, 1930

Feb. 18, 1930—SW THOMAS AVE
175 SE Lane. August Stremme to
Wm T Hummer.....

Feb. 17, 1930

Feb. 18, 1930—W CONNECTICUT
100 N Mariposa No. 172 Con-
necticut St. Joe Penna to John
Clisero.....

Feb. 18, 1930—E TWENTY-FIFTH
Ave 150 N Lawton N 25x E 120.
Sam B Goss to whom it may con-
cern.....

Feb. 8, 1930

Feb. 18, 1930—LOT 2 Map Trt Blk
466 A No. 145 Mallorca Way. John
Musso to Fracchia & Truffell.....

Feb. 15, 1930

Feb. 18, 1930—E PENINSULA AVE
beg. 249 S Lathrop Ave 62-10% x
100. Wm H Grahm to whom it
may concern.....

Feb. 17, 1930

Feb. 17, 1930—LOT 36 BLK A, map
Glen Park Terrace. Olaf and Inga
Martinsen to Alexander Anzele-
vich.....

February 13, 1930

Feb. 21, 1930—W LEAVENWORTH
77-6 Pine S 27-6 x W 102-6. W
E Mettman to whom it may con-
cern.....

February 21, 1930

Feb. 21, 1930—S SUTTER 57-6 W
Taylor W 27-6 x S 100. Aprha
West to E E O'Leary.....

Feb. 14, 1930

Feb. 21, 1930—W ORIZABA AVE
335 N Stanley N 35 W 100 S 35 E
100. L E Kelley to whom it may
concern.....

February 1, 1930

Feb. 21, 1930—S TRUMBULL 375 W
Congdon W 25 x S 110. M H
Laughran and T R Brown to A
Richards.....

February 13, 1930

Feb. 21, 1930—LOTS 7, 8 and 9 being
75 on SW Hollister Ave 150 NW
Ingalls. John Beresini to Joseph
Luchini.....

February 20, 1930

Feb. 21, 1930—SE COR 20th
Sanchez 30 on 20th and 85-6 on
Sanchez. Joseph F Kennedy to
whom it may concern.....

Feb. 21, 1930

Feb. 21, 1930—NE BUCHANAN &
Haight 76-3x137-6. N J Nelson
to whom it may concern.....

February 21, 1930

Feb. 20, 1930—BEG ON SW SANTA
Rosa Ave 200 SW Cayuga Ave SW
575 to beg SW 35 x NW 100. The
McCarthy Co to J Arnott & Son.....

February 19, 1930

Feb. 20, 1930—133 KENWOOD Way.
A M Samuelson to whom it may
concern.....

February 20, 1930

Feb. 25, 1930—LOTS 30, 31, 32 and
34, Blk 6965A Map No. 1, Geneva
Terraces. California Pacific Title
& Trust Co to whom it may con-
cern.....

February 24, 1930

Feb. 25, 1930—SE BAKER & Jef-
ferson. Hugo and Delphine F
Carissimo to Masarie & Cuneo.....

February 24, 1930

Feb. 25, 1930—S POST 70 E Stock-
ton B 67-6 x 120. Hobart Estate
Co to Lindgren & Swinerton, Inc.....

February 15, 1930

Feb. 25, 1930—E 20th AVE 157-5 N
Rivera N 25 E 120-2 S 25 W 120-2.
Charles Ingberman to whom it may
concern.....

February 24, 1930

Feb. 24, 1930—E BAYWOOD COURT
213-4 N Geneva Ave N 26-8 x E
50. M Tosch to F Smith.....

February 24, 1930

LIENS FILED

San Francisco County

Recorded Amount

Feb. 24, 1930—E VICTORIA 150 N
Randolph N 25 x E 100. Geo R
Nelson vs R M Gibson, Wm E
and Ruth F Dowd.....\$603.50

Feb. 21, 1930—LOTS 1, 2 and 3 BLK
20 map Hillcrest. T D Harney vs
C Schwarz.....\$425.19

Feb. 21, 1930—W DIAMOND 58 N
Diamond St. O C Windell, \$35; B
Blaiotta, \$378.93, vs Margaret
and F A Johnson and J H Payne.....

Feb. 21, 1930—N LIBERTY 130 E
Sanchez E 25 x N 114. H H Smith
vs Glosue and Fortunata Marac-
chini and E Evangelisti.....\$1275.25

Feb. 21, 1930—S LISBON ST and SV
Russia Ave SE 25 x SW 100. L.
Franklin vs F J Davis.....\$150

Feb. 21, 1930—N ANZA and W 22nd
Ave N 100 x W 57-6. E Sugar-
man vs I M and F R Sommer.....\$2695

Feb. 24, 1930—W CURTIS 398-16 S
Rolph S 25 x W 107-25. Scott Co,
Inc vs Wm H and Emma Cowan
and A P Allen.....\$312.14

RELEASE OF LIENS

San Francisco County

Recorded Amount

Feb. 19, 1930—E EIGHTEENTH AV
100 S Lincoln Way S 25x E 120.
Pacific Coast Aggregates, Inc.;
John T Fraser; Irving Fries; A W
Stoneback; Atlas Heating and
Ventilating Co.; Atlas Electric &
Engineering Corp; Scott Co; G B
Jackson & Son; George Campbell;
James Cantley; Empire Planing
Mill; P O Lind; R S Holding; J
H McCallum; J S Guerin & Co;
Wm J Anderson; Geo G Kennedy;
Angus W MacKillop; Schrader
Iron Works; A Jensen; Scott Co;
and Caroles Wall Paper Co, Inc
to Max and Eugenia Kreuger and
Thos Hamill.....

Feb. 20, 1930—E CAPP 197-6 N 21st
St N 27 6 x E 1226. Jones Bros
Asbestos Supply Co; Atlas Heat-
ing & Ventilating Co to whom it
may concern (two releases).....

BUILDING PERMITS

Alameda County

No. Owner Contractor Amt.

183 Pomeroy Bowers 2000

184 Jensen Helstrom 3500

185 Cavallo Cavallo 52000

186 Giannoni Owner 3000

187 Guilford Warn 6000

188 Johnson Owner 2550

189 Kinker Owner 1500

190 Schuller De Vight 1250

191 Dowling Owner 4500

192 Leazer Allen 4000

193 Brennan Williamson 3500

194 Boyertown McLeran 32000

195 Fleming Owner 3500

196 General Owner 1025

197 Oakland Keating 1100

198 Ferreira Campomenosi 4500

199 Sloan Zeis 1800

200 Billion Kulchar 1000

201 Oakland Littlefield 16540

202 Moning Owner 3500

203 Pfrang Owner 8000

204 Berkeley McDonald 12873

ALTERATIONS

(183) NO. 3217 McGEHE AVE., Ber-
keley. Alterations.

Owner—M. B. Pomeroy, Burlingame.
Architect—None.

Contractor—M. P. Bowers, 2322 Valley
St., Berkeley. \$2000

DWELLING

(184) 3015 E 19th ST., Oakland; one-
story 4-room dwelling.

Owner—T. Jensen, 3015 E 19th St.,
Oakland.

Architect—None.
Contractor—C. Helstrom, 491 36th St.,
Oakland. \$3500

APARTMENTS

(185) E TENTH AVE. 50 NE 22nd
St., Oakland; three-story 72-room
apartments.

Owner—Margaret Cavallo, 1111 Jones
St., Berkeley.

Architect—None.
Contractor—U. Cavallo, 1111 Jones St.,
Berkeley. \$52,000

DWELLING

(186) E FOREST HILL AVE., 500 N
Whittle Ave., Oakland; one-story
5-room dwelling.

Owner and Builder—V. Giannoni and
S. J. Viganego, 439 Moss Avenue
Oakland.

Architect—None. \$3000

DWELLING

(187) N MONTEREY BLVD. 100 F
Saroni Drive, Oakland; two-story
6-room dwelling.

Owner—H. I. Guilford.
Architect—None.

Contractor—Warr Bros., 419 E Merle Court, San Leandro. \$6,000

DWELLING
(188) S 106th AVE. 200 S Voltaire St., Oakland; one-story 5-room dwelling and 1-story garage.
Owner and Builder—H. E. Johnson, 644 Woodland Ave., San Leandro.
Architect—None. \$2850

ADDITION
(189) S HOLLY ST., 60 W 73th Ave., Oakland; addition.
Owner and Builder—F. L. Rinker, 7733 Holly St., Oakland.
Architect—None. \$1500

CLEANING WORKS
(190) 899 61st ST., Oakland; one-story brick cleaning and dyeing works.
Owner—John Schuller, 899 61st St., Oakland.
Architect—None.
Contractor—Victor DeWight, 1828 Milvia St., Berkeley. \$1250

DWELLING
(191) 2830 CLAY ST., Alameda; one-story six-room frame and stucco dwelling.
Owner & Builder—S. J. Dowling, 2801 Clay St., Alameda.
Plans by Owner. \$4500

DWELLING
(192) 1611 SCHILLER ST., Alameda; one-story 6-room frame and stucco residence.
Owner—Marion Leazer, 1708 Pacific Ave., Alameda.
Architect and Contractor—James Allen, 7339 Alder St., Oakland. \$4000

DWELLING
(193) E WEBSTER ST. 138 S 40th St., Oakland; one-story five-room dwelling.
Owner—Martin Brennan, 415 40th St., Oakland.
Architect—None.
Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland. \$3500

FACTORY & WAREHOUSE
(194) E FOURTH AVE. 140 SE 11th St., Oakland; three-story brick factory and warehouse.
Owner—Boyetown Burial Casket Co., E 11th and 4th Aves., Oakland.
Architect—None.
Contractor—Ralph McLeran Co., 718 Hearst Bldg., San Francisco. \$32,000

DWELLING
(195) N HANLEY ROAD 50 W Waterhouse Road, Oakland; one-story 5-room dwelling.
Owner and Contractor—John Fleming, 4761 Suter St., Oakland.
Architect—None. \$3500

COMFORT BLDG.
(196) FOOT OF FIFTH AVE., Oakland; one-story comfort building and 1-story shed.
Owner and Builder—General Eng. Co., foot of 5th Ave., Oakland.
Architect—None. \$1025

HED
(197) 4209 MOUNTAIN BLVD., Oakland; one-story chicken shed.
Owner—Oakland Brooding Plant, 4209 Mt. Blvd., Oakland.
Architect—None.
Contractor—Wm. C. Keating, 4209 Mt. Blvd., Oakland. \$1100

DWELLING
(198) E AMY DRIVE 400 S Edith St., Oakland; one-story 4-room dwelling.
Owner—J. Ferrela, 359 49th St., Oakland.
Architect—None.
Contractor—E. Campomenosi, 6401 Broadway Terrace, Oakland.

REPAIRS
(199) 4505 BROOKDALE AVE., Oakland; fire repairs.
Owners—Gilbert and Agnes Sloan, Salinas.
Architect—None.
Contractor—Oscar L. Zeis, 2181 High St., Oakland. \$1800

ALTERATIONS
(200) 5529 COLLEGE AVE., Oakland; alterations.
Owner—Wm. Billion.
Architect—None.
Contractor—S. Kulchar Co., 731 E 10th St., Oakland. \$1000

TRANSIT SHED
(201) FOOT OF 14th ST., Oakland; one-story concrete transit shed.
Owner—City of Oakland.
Architect—Port of Oakland Commission.
Contractor—R. W. Littlefield, Howden Bldg., Oakland. \$165,440

DWELLING
(202) W 76th AVE. 250 S Hillside St., Oakland; one-story 6-room dwelling.
Owner and Builder—M. E. Monig, 2638 75th Ave., Oakland.
Architect—None. \$3500

DWELLING
(203) SE COR. GOLDEN GATE and Acacia Aves., Oakland; two-story 7-room dwelling.
Owner and Builder—C. J. Pfrang, 6300 Claremont Ave., Oakland.
Architect—None. \$8000

RECREATION BLDG.
(204) 2500 PARK ST., Berkeley; one-story frame recreation building.
Owner—City of Berkeley.
Architect—Jas. W. Plachek, 404 Mercantile Bank Bldg., 404 Market.
Contractor—McDonald & Son, Berkeley. \$12,873

BUILDING CONTRACTS
Alameda County

No. Owner	Contractor	Amt.
44 Castlewood	Miner	10386
45 Christ	Smith	2600

SWIMMING POOL
(44) AT CASTLEWOOD COUNTRY Club, near Pleasanton; swimming pool, 40x120-ft., the scum gutter thereon and foundation for filter for said pool.
Owner—Castlewood Country Club, Pleasanton.
Engineer—P. H. Affolter.
Contractor—Grant L. Miner, 505 Emerson St., Palo Alto.
Filed Feb. 21, '30. Dated Feb. 20, '30. On 15th of each month. 75% Usual 35 days. 25%
TOTAL COST, \$10,386
Bond, \$10,386. Sureties, Aetna Casualty & Surety Co. Plans and Specifications filed.

REBUILD PIPE ORGAN
(45) SE COR. SANTA CLARA Ave. and Grand St., Alameda; rebuild and electrify pipe organ, etc.
Owner—Rectory, Church Wardens and Vestrymen of Christ Church, SE cor. Santa Clara Ave. and Grand St., Alameda.
Architect—None.
Contractor—F. W. Smith, 2138 Pacific Ave., Alameda.
Filed Feb. 24, '30. Dated Jan. 29, '30. Upon execution of contract. \$500 "commencement of work." 900 Usual 35 days. 1200
TOTAL COST, \$2600
Limit, April 20, 1930.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Feb. 20, 1930—2204-06 MCGEE Ave, Berkeley. David Kesti to whom it may concern.....	February 19, 1930
Feb. 20, 1930—PTX LOT 4 BLK 4 and ptn Buena Ave, Wm Schmidt Tract, Berkeley. Mrs Kate Stenlund to whom it may concern.....	February 18, 1930
Feb. 20, 1930—REAR of 2508 SAN Pablo Ave, Berkeley. Built - in Fixture Co to whom it may concern.....	February 18, 1930
Feb. 20, 1930—1029 KEELER, Berkeley. J F Altermatt to whom it may concern.....	February 20, 1930
Feb. 19, 1930—1033 CLARENDON Crescent. E H and J W Sigwald to Sigwald Bros.....	February 10, 1930
Feb. 19, 1930—1506 TRESTLE Glen Road, Oakland. E H Sigwald to Sigwald Bros.....	January 25, 1930
Feb. 24, 1930—355 24th ST, Oakland. W E Winston to L R McWethy.....	January 5, 1930
Feb. 24, 1930—850 CRAGMONT Ave Berkeley. Winifred Galvin to whom it may concern.....	February 20, 1930
Berkeley. Elbert R Creque to whom it may concern.....	
Feb. 21, 1930—LOT 11 BLK 12, Lakeshore Oaks, Oakland. Wm A Antonette Ambrose to Willis F Lynn.....	February 21, 1930
Feb. 20, 1930—6409 AVALON AVE, Oakland. Walter Pressler to Self.....	February 20, 1930
Feb. 20, 1930—3775 WALNUT AVE, Oakland. Walter Pressler to Self.....	February 20, 1930
Feb. 21, 1930—1081 KEITH AVE, Berkeley. Evelyn H Thompson to C J Krieger.....	February 17, 1930
Feb. 21, 1930—W LINE DOMINGO Ave ptn Ball tract lying E Telegraph Ave and ptn White tract, Berkeley. R Perrotti to Self.....	
Feb. 21, 1930—2577 E 15th ST, Oakland. Mary Cambra to whom it may concern.....	February 19, 1930
Feb. 21, 1930—LOTS 8 and 9 BLK E, amended map of Christiana Tract, Berkeley. Sumner Hardy as trustee for Jewell M, June N, Vernon Y, and Allan T Nishi to whom it may concern.....	February 18, 1930
Feb. 25, 1930—CLAREMONT TUNNEL, Alameda Co. East Bay Municipal Utility District to Grier & Mead.....	February 19, 1930
Feb. 25, 1930—LOT 6 BLK 9, Thousand Oaks, Berkeley. R Beadell & Geo J Lane to whom it may concern.....	February 25, 1930
Feb. 25, 1930—1830 33th AVE, Oakland. Sidney and Bertha W Love to whom it may concern.....	February 24, 1930
Feb. 25, 1930—SW LINE 27th and Telegraph Ave, Oakland. Sears, Roebuck & Co to Hardwood Floor Co, Inc.....	February 18, 1930
Feb. 25, 1930—4355 ATLAS AVE, Oakland. Edmund W and Florence B Murphy to O W Johnson.....	

LIENS FILED

Alameda County

Recorded	Amount
Feb. 20, 1930—E LINE EIGHTH AVE 150 ft E 24th St, Oakland. Industrial Iron Works vs Thomas C and S Pinn.....	\$425
Feb. 19, 1930—E LINE EIGHTH AVE 150 ft N of E 24th St, Arbor Villa Tract. J L Roart. \$1000; H C Sawyer, \$627, vs F C and S Tinn.....	
Feb. 19, 1930—LOT 29 BLK Z, amended map Regents Pl, Berkeley. Churchill Tile Co vs B G and Monta Smith.....	\$47.97

RELEASE OF LIENS

Alameda County

Recorded	Amount
Feb. 24, 1930—LOT 57 BLK 3, Cragmont, Berkeley. Tilden Lumber & Mill Co., \$792.45; Sunset Lumber Co., \$348.29; Contra Costa Building Material Co., \$118.29, to Park Abbott	
Feb. 24, 1930—LOT 160, Arbor Villa Oakland. M Hollisted (Calif. Mill & Lumber Co.) to Chas D and Effie M Knolly, Thos C and Susan Pimm (Partial Release)	\$316.48
Feb. 24, 1930—LOT 160, Arbor Villa 8th Ave 100 ft NE of E 24th St, Oakland. Sheet Metal Service Co. to Chas D and Effie M Knolly	\$176
Feb. 21, 1930—LOT 81 Broadmoor Pk, San Leandro. Thomas Carter doing business as Thos Carter Glass Co to J M and Anna K Olsson	\$103
Feb. 21, 1930—LOT 21 and ptn lot 22 Blk 27, map No 8, Regents Park Albany. Henry Cowell Lime & Cement Co to Amy E and W R White and J Davis	\$101.04
Feb. 19, 1930—LOT 26 BLK 15, map Blks 17, 18 and 19 Thousand Oaks. Tilden Lumber & Mill Co to W H and Dorothy Hooper	\$149.95

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE	
WELLSLEY PARK, Redwood City. All work for two-story and basement frame and stucco residence. Owner—Charles F Woodmansee et al, 506 Edgewood Road, Redwood City. Architect—Charles F Strothoff, 2274 15th St., San Francisco. Contractor—H. H. MacDonald, San Carlos.	
Filed Feb. 19, '30. Dated Feb. 3, '30. Frame up	\$2675
Brown coated	2675
Completed	2675
Usual 35 days	2675
TOTAL COST, \$10,700	
Bond, \$5350. Surety, Aetna Casualty Co. Limit, 100 working days. Forfeit, none. Plans and specifications filed.	

ALTERATIONS

LOT 15, Hermosa Tract, Menlo. All work for alterations and additions to building. Owner—Hester R. MacLean, Menlo Park. Architect—None. Contractor—Louis N. Pollard, 55 Brewster St., Redwood City. Filed Feb. 17, '30. Dated Feb. 13, '30. Frame up	\$229.25
Plastered	229.25
Completed	229.25
Usual 35 days	229.25
TOTAL COST, \$337.00	
Plans and specifications filed.	

BUILDING PERMITS

SAN MATEO

DWELLING, \$4000; Lot 7 Blk 59, N Humboldt Ave., San Mateo; owner, Elliott and Colton; contractor, W. F. Daley.	
GARAGE, \$6000; Lot 19 Blk 68, Bayshore; owner and contractor, Fred Pattison, 204 4th St., San Mateo.	
RESIDENCE, \$9000; S POR LOT 16, No. 431 Fulton St., San Mateo; owner and contractor, Lengfeld & Olund, 145 El Camino Real.	
PREVENTORIUM, \$34,000; Lots 1, 2 and 3 Blk 22, E Poplar St., San Mateo; owner, Preventorium Association, San Mateo; contractor, Geo. W. Williams Co., 1401 Broadway, San Mateo.	
ALTER store, \$1500; Lot 1 Blk 13,	

Burlingame Ave., San Mateo; owner, Robt. Dodd, 170 Pepper St. San Mateo; contractor, Oscar Cavanaugh, 432 Occidental Ave., San Mateo.

BUNGALOW, \$4500; Lot 16 Blk 3, Francisco; owner and contractor, L. M. Hargeo, 415 E. St. Ives St., San Mateo.

RESIDENCE, frame \$8000; Lot 3 Blk 5, Jordan Road, Baywood; owner, Rev. Carl M. Warner, 2208 Hillside, Burlingame; contractor, Thos. A. Cavanaugh, 343 Virginia St., Baywood.

GARAGE, concrete, \$7500; Lot 3 Blk G, San Mateo Drive, San Mateo; owner, C. Adolphson, 706 N Claremont St., San Mateo; contractor, Geo. W. Williams Co., 1404 Broadway, San Mateo.

BUNGALOW, \$4000; N 33 ft. Lots 5 and 6 S 7 ft. Lot 7 Blk 9; No. 818 S. Humboldt St., San Mateo; owner and contractor, A. Powers.

BUNGALOW, \$4500; No. 828 Ninth Ave., San Mateo; owner and contractor, A. Powers, 515 S-Humboldt St., San Mateo.

ALTERATIONS, \$1300; No. 29 Madison Ave., Lot 19, San Mateo; owner, Gastan Periat, Premises; contractor, R. E. Broderick, 130 12th Ave., San Mateo.

FIRE escape, \$1000; Fremont and Second Ave., San Mateo; owner, Lawrence School, San Mateo; contractor, Patterson & Koster.

FIRE escapes (2), \$2500; Peninsula Ave. Blk 1, San Mateo; owner, S. M. Grammar School; contractor, Sullivan Iron Works.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Feb. 17, 1930 — BURLINGAME Hills. Thomas N Gesso to whom it may concern.	Feb. 10, 1930
Feb. 17, 1930—COLMA. G Silvastr to John Antone.	Feb. 10, 1930
Feb. 17, 1930—LOTS 18 & 65 BLK L, San Bruno. Matteo Bologna to Delmer Mead.	Feb. 15, 1930
Feb. 19, 1930—SKYLINE BLVD., San Mateo. State of California to Sibley Grading & Teaming Co.	Feb. 8, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
Feb. 17, 1930—LOT 10 BLK 5, Wellsby Park, San Mateo. G F Walker vs George G Nelson.	\$30
Feb. 19, 1930—LOTS 22 AND 23 BLK 4, East San Mateo. E D Ward vs George E Fisher (2 liens).	
	\$220 and \$530 respectively

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
Feb. 17, 1930—LOCATION NOT Given. San Mateo Feed & Fuel Co. to Emily Aloise Wallace.	

BUILDING CONTRACTS

SANTA CLARA COUNTY

GARAGE COR. MARKET AND BALBACH STS. San Jose. All work for one-story concrete steel frame garage. Owner—Louise Masson and Marie Le Franc, 62 S-13th St., San Jose. Architect—Binder & Curtis, 35 W-San Carlos St., San Jose. Contractor—Thermotite Constr. Co., Inc., 390 Stockton Ave., San Jose.	
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Filed Feb. 20, '30. Dated Feb. 19, '30. As work progresses	75%
Usual 35 days	25%
TOTAL COST, \$37,781	
Bond, \$37,781. Surety, Standard Accident Insurance Co, Detroit, Mich. Limit, 115 days from Feb. 19, 1930. Forfeit, none. Plans and specifications filed.	

BUILDING PERMITS

PALO ALTO

DWELLING, frame and stucco, \$6800; No. 427 Middlefield Road, Palo Alto; owner, I. M. Hinson, Prem.; contractor, A. P. Anderson, 119 Seale Ave., Palo Alto.	
ADD to residence, \$1000; No. 1001 Fulton St., Palo Alto; owner, Anna Markey, Premises; contractor, H. B. Post, 1330 Webster St., Palo Alto.	
DWELLING, frame and stucco, \$2400; No. 401 Pepper St., Palo Alto; owner, L. Monroe, 4th Ave., Redwood City.	
DWELLING, \$1700; No. 504 Oberlin St., Palo Alto; owner, H. Van Polen, Stanford Ave., Menlo Park.	

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Feb. 7, 1930—NE 1/2 LOT 12, Lincoln Hall Acres, San Jose. David L Strom to whom it may concern.	Feb. 6, 1930
Feb. 7, 1930—LOT 17, Laumiester Subd of Blk 4 Seale Tract No. 7, Palo Alto. Ralph W and Janet H Evans to whom it may concern.	Feb. 5, 1930
Feb. 7, 1930—LOT 5, El Abra Court, San Jose. Harry T Early to whom it may concern.	Feb. 6, 1930
Feb. 7, 1930—PLOT ON PEACH Hill right-of-way in Piedmont Subd No. 2, San Jose. H S Whitling to whom it may concern.	Feb. 6, 1930
Feb. 8, 1930—LOT 34, Empire Subd, San Jose. Luigi Chiaramonte to whom it may concern.	Feb. 8, 1930
Feb. 10, 1930 — LOT 14 BLK 2, Heorin Subd, San Jose. Elmer F Hall to whom it may concern.	Feb. 10, 1930
Feb. 10, 1930—LOT 4 BLK A, Kenold Tract, San Jose. Fred R Hagen et al to whom it may concern.	Feb. 10, 1930
Feb. 11, 1930—LOT 9 BLK 1, Restwood Park No. 2, San Jose. Ormal W Dadd et al to whom it may concern.	Feb. 10, 1930
Feb. 11, 1930—PART LOT 2, Francis Smith Subd, San Jose. Earl Borgart to whom it may concern.	Nov. 10, 1929
Feb. 13, 1930—ON 9. 99 ACRE PT Lot 23, Henry Miller's Subd of Las Animas Rch. Frank Bosco to whom it may concern.	Feb. 1, 1930
Feb. 13, 1930—LOT 1 BLK 122, Crescent Park No. 2, Palo Alto. Resnerice M Keystone to whom it may concern.	Feb. 7, 1930
Feb. 13, 1930—N 100 FT. LOT 9 BLK 1, Alba Park Addn, Palo Alto. G H Kouns to whom it may concern.	Feb. 11, 1930
Feb. 13, 1930—S MAIN ST. 357.20 E Gray's Lane, Los Gatos. First Church of Christ Scientist, Los Gatos to whom it may concern.	Feb. 10, 1930
Feb. 14, 1930—ON 27 ACRES ON E Frasier Lake Road, San Jose. Frank Schmitt to whom it may concern.	Feb. 9, 1930
Feb. 14, 1930—NO. 1116 MINNESOTA Ave., San Jose. Dr. Clark E	

Saunders to whom it may concern
Feb. 14, 1930—SW FIFTH ST. 62.5
NW Rosa St., San Jose. C O
Metcalf to whom it may concern
Feb. 14, 1930
Feb. 15, 1930—LOT 14 BLK 6, Los
Altos Park. W D Wasson et al
to whom it may concern. Feb. 13, 1930
Feb. 15, 1930—LOTS 28 AND 29 BLK
3, Vendome Park, San Jose. Marg-
aret Brannan to whom it may
concern. Feb. 12, 1930
Feb. 17, 1930—S 47 FT. LOTS 8 & 9
Blk 1, Alba Park Addition, Palo
Alto. G H Kouns to whom it may
concern. Feb. 14, 1930
Feb. 17, 1930—LOT 98, Studio
Heights, San Jose. J A Wagner
to whom it may concern.
February 14, 1930
Feb. 18, 1930—LOTS 25 AND 26 BLK
13, Vendome Park No. 4, San
Jose. A G Lantz to whom it may
concern. Feb. 15, 1930
Feb. 18, 1930—LOT 65, Garden Lo-
san Jose. Jennie Harrington to
whom it may concern. Feb. 18, 1930
Feb. 18, 1930—PART LOT 2 BLK 12
University Grounds, San Jose.
Emory E Moore to whom it may
concern. Feb. 17, 1930
Feb. 19, 1930—LOTS 3 AND 4 BLK
15, College Terrace, Palo Alto.
Margaret Freese to whom it may
concern. Feb. 18, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
Feb. 13, 1930—LOT 22 BLK 13, Len- dum Tract No. 2, San Jose. Acme Sheet Metal Works vs James A Hines.....	\$42
Feb. 7, 1930—579 ALVARADO Row on Campus of Leland Stanford Jr University. Merner Lbr Co vs The Board of Trustees of the Le- land Stanford University and Na- than and Mabel Van Patten.....	\$665.04
Feb. 7, 1930—579 ALVARADO Row Leland Stanford Jr University. S H Chase Lumber Co, Inc vs Mabel and Nathan Van Natten, Board of Trustees of Leland Stan- ford Jr University.....	\$947.85
Feb. 11, 1930—579 ALVARADO Row Leland Stanford Jr University. Acme Elec Co vs Mabel and Na- than Van Patten and The Board of Trustees of Leland Stanford Jr University.....	\$162.99
Feb. 11, 1930—NE WAVERLY ST 150 ft NW Kingsley Ave NW 75x NE 111 ft part block 76. Christen- sen & Anderson, Inc vs Emma K Willetts.....	\$228.43
Feb. 13, 1930—LOT 22 BLK 13, Len- dum Tract No. 2. James H Mc- Elroy et al vs James A Hines.....	\$720.85

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Feb. 7, 1930—10.07 AC AND 16.91 AC bet Alviso Road and Guadalupe Creek. E J Mattocks to S Akimul bl. 11 1930—NW 112 FT. LOT 7 First Addition to Sunset Tract, San Jose. Glenwood Lumber Co o Burt Stoops.....	\$703.05
Feb. 11, 1930—NW 112 FT. LOT 8, First Addition to Sunset Tract, San Jose. Glenwood Lumber Co o Burt Stoops.....	\$550.83
Feb. 11, 1930—SE 50 FT. LOTS 7 & 8 First Addition to Sunset Tract, San Jose. Glenwood Lumber Co o Burt Stoops.....	\$525.46
Feb. 13, 1930—SECTION 25 TSP 7 R 2 W, San Jose. Sterling Lumber Co vs F W Haswell et al.....	\$170.82
Feb. 20, 1930—NO. 679 ALVARADO	

Row, Leland Stanford Junior Uni-
versity, Palo Alto. Force Chitten-
den (as Acme Electric Co) \$162.99;
Merner Lumber Co, \$665.04; S H
Chase Lumber Co, \$947.05 To The
Board of Trustees of Leland Stan-
ford Junior University and Nathan
and Mabel Van Patten.....

BUILDING CONTRACTS

MONTEREY COUNTY

ADDITIONS

SE SAN LUIS AND LINCOLN STS.,
Salinas. All work for additions and
alterations to chapel.
Owner—Struve & La Porte, Premises.
Architect—Butner & Stranahan, Glik-
barg Bldg., Salinas.
Contractor—Fred C. Carlsen, 336 Lin-
coln Ave., Salinas.

Filed Feb. 9, '30. Dated Feb. 11, '30.
On 1st and 15th of each month 75%
Usual 35 days..... 25%

Bonds (2) \$2325 and \$3475. Sureties,
Arthur Hayward and E. Dougherty.
Limit, forfeit, plans and specifications
none.

STORE BLDG.

LOT 3 BLK 2, Map of the Town of
Castroville. All work for two-
story frame and stucco store
building.

Owner—A. Ostarello, Castroville.
Architect—Butner & Stranahan, Glik-
barg Bldg., Salinas.
Contractor—F. T. Wallstrum, Salinas.
Filed Feb. 9, '30. Dated Feb. 18, '30.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$7660
Bond, \$7660. Surety, Union Indemnity
Co. Limit, 60 working days. Forfeit,
none. Plans and specifications filed.

BUILDING PERMITS

STOCKTON

STATION, service, \$6000; No. 647 E-
Miner Ave., Stockton; owner, Geo.
Finkbohner, 520 N-San Joaquin
St., Stockton; contractor, J. J.
Cavanaugh, 219 N-Sutter St.,
Stockton.

REMODEL store, \$1000; No. 102 E-
Main St., Stockton; owner, S.
Sanguinetti Co., Premises; con-
tractor, L. S. Peletz, 1660 W-Ac-
acia Ave., Stockton.

RESIDENCE and garage, \$4000; No.
227 S-Argonaut St., Stockton;
owner, K. Ynda.

ADD to service station, \$1000; No. 1506
N. Wilson Way, Stockton; owner,
E. A. and A. K. Schwachan,
Premises.

NEW depot, \$119,500; No. 210 N. Sacra-
mento St., Stockton; owner,
Southern Pacific Co, Sacramento &
Weber Sts., Stockton; Superin-
tendent, G. E. Gaylord, Henry
Apts, Stockton.

BUILDING PERMITS

RICHMOND

COTTAGE, 4-room and garage, frame,
\$2200; N Gaynor St., bet. 24th and
25th Sts., Richmond; owner, Mrs.
E. Brown, 2059 Santa Clara St.,
Alhambra; contractor, J. A. Legault,
420 31st St., Richmond.

MOVE frame cottage, install concrete
foundation & underpinning, \$1000;
W 38th St., bet. MacDonald and
Nevin Aves., Richmond; owner, C.
Lind, 118 Second St., Richmond.

COTTAGE, 4-room and garage, frame
\$1950; S Roosevelt St., bet. 33rd
and 34th Sts., Richmond; owner,
S. E. Hollis, 332 21st St., Rich-

mond; contractor, T. C. Hosking,
541 Civic Center, Richmond.
COTTAGE, 6-room and garage, frame
and plaster, \$4000; W McLaughlin
St., bet. Barrett and Nevin Aves.,
Richmond; owner, Mrs. Helen
Collins, 252 17th St., Richmond;
contractor, N. E. Anderson, 3000
Barrett Ave., Richmond.

ADDITION, brick to one-story store,
\$5000; No. 718 MacDonald Ave.,
Richmond; owner, American
Creamery Co., Premises; contrac-
tor, Wallace Snelgrove, 877 24th
St., Richmond.

REPAIR fire damage to frame cottage
\$1000; No. 110 Schrock Ave., Rich-
mond; owner, C. Bardoll Premises;

DUPLEX, one-story frame, 3 rooms
each, \$2800; N Barrett Ave., bet.
5th and 6th Sts., Richmond owner,
Frank Lambie, 576 Barrett
Ave., Richmond; contractor, Tandy
& Theis, 1931 Garvin St., Rich-
mond.

COTTAGE, 6-room frame and plaster,
\$6000; S Rheem St., bet. 25th and
26th Sts., Richmond; owner, A.
Gatto, 2550 Rheem St., Richmond;
architect, Jas. T. Narbett, 31st &
Barrett, Richmond; contractor, A.
Gatto, 2550 Rheem St., Richmond.

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
Feb. 6, 1930—MILL VALLEY. Ed- ward O Hermann to whom it may concern.....	February 1, 1930
Feb. 7, 1930—MILL VALLEY. Mrs S V Smith to whom it may con- cern.....	February 7, 1930
Feb. 8, 1930—SAN ANSELMO. May C Brennfleck to Siemer & Ken- dall.....	January 20, 1930
Feb. 11, 1930—SAN RAFAEL. Earl S White to whom it may concern	February 7, 1930
Feb. 19, 1930—ROSS. Alexander Sherman to E W Ruhl.....	February 19, 1930
Feb. 20, 1930—SAN ANSELMO. Hil- lis J Kemp to whom it may con- cern.....	February 20, 1930

LIENS FILED

MARIN COUNTY

Recorded	Amount
Feb. 15, 1930—MILL VALLEY. Mel- vin Klyce vs Mr and Mrs Charles Baum.....	\$471.60

RELEASE OF LIENS

MARIN COUNTY

Recorded	Amount
Feb. 10, 1930—MARIN CO. H D Hood to Guy Const Co.....	\$710
Feb. 11, 1930—MILL VALLEY. Fair- fax Lumber Co to Louis Winthral	\$1636.15

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
Feb. 21, 1930—W EXTENSION OF College Ave., 19.07 acres, near Santa Rosa. Ernest, Mary, Wm L and Gertrude Rohde to whom it may concern.....	Feb. 10, 1930

LIENS FILED

SONOMA COUNTY

Recorded	Amount
Feb. 19, 1930—S NAPA ST, bet. 4th and 5th Sts., Sonoma City. J S Courreges vs Charles L Dono- van.....	\$164.80
Feb. 21, 1930—LOT 2 BLK 31, City	

of Healdsburg. Healdsburg Lumber Co vs F Barney; Tony De Setta; John Doe, et al.....\$59.25
Feb. 21, 1930—9 ACRES IN PHILIPS Subd, near Santa Rosa. Sterling Lumber Co vs A Trembley and Fred Lundgren.\$342.02 and interest

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Feb. 21, 1930—POR LOT 3, Parker Acres, Stockton. W G Lattin to whom it may concern.....Feb. 18, 1930

BUILDING PERMITS

SACRAMENTO

GARAGE, public, \$3500; No. 1412-14 Fifth St., Sacramento; owner, mento.
RESIDENCE, \$4900; No. 325 36th St., Sacramento; owner, A. Kaiser, 1621 16th St., Sacramento.
RESIDENCE, 6-room, \$4500; No. 364 34th St., Sacramento; owner, H. M. Dunkel, 420 Santa Ynez Way, Sacramento.
RESIDENCE, 6-room, \$4500 No. 2701 O St., Sacramento; owner, Ray G. Huston, 2705 O St., Sacramento
RESIDENCE, 6-room, \$5500; No. 3844 U St., Sacramento; owner, E. T. Bennett, 2531 L St., Sacramento.
RESIDENCE, 7-room, \$4500; No. 2533 Ninth Avenue, Sacramento; owner, W. B. Phillips, 1897 11th Ave., Sacramento.
RESIDENCE 6-room, \$4700; No. 709 41st St., Sacramento; owner, Douglas McFarland, 2716 V St., Sacramento; contractor, W. R. Saunders.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Feb. 19, 1930—W 80 FT. LOT 5 N 30 ft. Lots 8 and 9, Rooney Terrace, Sacramento. Henry Schmidt to whom it may concern.....Feb. 18, 1930
Feb. 19, 1930—STATE HIGHWAY near McConnell. Department of Public Works to whom it may concern (3 bridges).....Feb. 18, 1930
Feb. 19, 1930—W 60 FT. LOT 1, J. 8th and 9th Sts., Sacramento. Joseph Greenbach to whom it may concern.....Feb. 15, 1930
Feb. 24, 1930—LOT 7 F, G, 18 and 19th Sts, Sacramento. E P Somer to whom it may concern.....Februavr 20, 1930

RELEASE OF LIENS

SACRAMENTO COUNTY

Recorded Amount
Feb. 24, 1930—LOT 1214, Elmhurst. Valley Brick Co \$35.95; C H Krebs & Co, Inc, \$....; Dolan Bldg Material Co, \$424.59, to E R and Helen Lancaster

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Feb. 21, 1930—NO. 1901 N St., being W ½ of S ½ Lot 8, M, N, 19th and 20th Sts., Sacramento. R F Brown, Edw Layman and C L Brown vs Geo W Wolfe.....\$300
Feb. 21, 1930—E ½ LOT 5 O, P, 15th and 16th Sts., Sacramento. Crane Co vs A and Rosa Kaiser.....\$166.01
Feb. 21, 1930—LOT 7 N, O, 3rd and 4th Sts., Sacramento. Earl N Holm (as Electrical Supply Shop.

vs Anderson Neon Sign Co.....\$338.29
Feb. 17, 1930—LOTS 35 & 36 Klotz Tract, known as No. 3449-3451 Eye St., Sacramento. Superior Lumber & Fuel Co vs E A Noyes.....\$58.19

BUILDING CONTRACTS

FRESNO COUNTY

SHED
FRESNO. All work for Pullman car shed.
Owner—Southern Pacific Co., Mariposa and H Sts., Fresno.
Architect—None.
Contractor—Standard Constr. Co., 185 Stevenson St., San Francisco.
Filed Feb. 19, '30. Dated Feb. 10, '30.
Monthly payments 75%
After completion Balance
TOTAL COST, \$7390
Bond, \$7390. Surety, U. S. Guaranty Co. Limit, 50 calendar days. Forfeit, none. Plans only filed.

BUILDING PERMITS

FRESNO

SERVICE station, \$10,000; No. 5 N. Van Ness Ave., Fresno; owner, Union Oil Co, Premises.
SERVICE station, \$3000; Echo and Olive Aves., Fresno; owner, A. Iversen, 1214 Echo Ave., Fresno; contractor, W. H. Crowley.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Feb. 19, 1930—LOT 35 Bloomington Park Terrace, Fresno. Asalee Offutt to J E Leisure.....Feb. 18, 1930
Feb. 19, 1930—LOTS 17 TO 20 BLK 5, Clovis. Frank T Bell to whom it may concern.....Feb. 17, 1930
Feb. 19, 1930—S 40 FT. LOTS 37 to 40 Blk 33, Belmont Addition,

Fresno. Queenie Avakian to P A C Williams.....Feb. 19, 1930
Feb. 19, 1930—LOTS 67 AND 68 BLK 2, Recreation Park Terrace, Fresno. J W Bandy to whom it may concern.....Feb. 17, 1930
Feb. 20, 1930—FRESNO and Kings Counties. Associated Oil Co to Lang Transportation Co.....February 14, 1930
Feb. 24, 1930—LOTS 3 and 4 BLK 9, New High School Addition. Mr and Mrs D F Griffeath to whom it may concern.....February 21, 1930
Feb. 17, 1930—LOTS 46 AND 41 BLK 1, Hill Addition, Fresno. Estate Annette Jensen to Fred Stone.....Feb. 17, 1930

TEETH IN BUILDING CODES

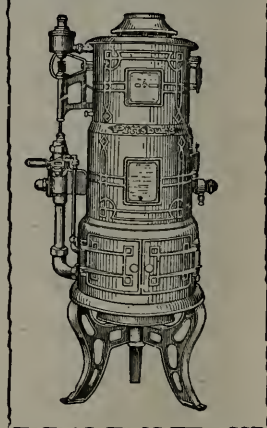
Technical code committees appointed to make suggestions for redrafting the building code of New York City are making a determined effort to place effective enforcement provision in the revised code of that city, according to the monthly bulletin of the Pacific Coast Building Officials Conference.

The committee has suggested that there be a requirement calling for an affidavit to be filed with the plans when the plans are first submitted. This affidavit is to be signed by the architect and the engineer, stating that the plans conform to the code in every particular.

A further and more important requirement is suggested that before a certificate of occupancy is granted, an affidavit must be made out and signed to the effect that the building has been constructed in complete accordance with the plans on file.

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BUILDING *and* ENGINEERING NEWS

San Francisco Office
444 Market Street

SAN FRANCISCO, CALIF., MARCH 8, 1930

Thirtieth Year, No. 10
Published Every Saturday

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Subscription terms, payable in advance:
 U. S. and Possessions, per year.....\$5.00
 Canadian and Foreign, per year..... 6.00
 Single Copies..... 25c
 Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND PUBLISHING CO., Publishers
 545-547 MISSION ST., SAN FRANCISCO
 Phone KEarny 1252
 J. P. FARRELL, Editor
 J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

BUILDING PROSPECTS CLOUDY COMPARATIVE FIGURES SHOW

Although the record of building contract awards for January was encouraging for the month, showing an increase of 2% over December for the first time in nine years, the figures of building permits issued during January do not afford so much encouragement as regards future building prospects. These permit figures reflect chiefly plans for residential construction in the smaller cities. The S. W. Straus figures of permits issued in 566 places were 46% lower in value than in January, 1929, and 17% lower than in December, 1929. Bradstreet's figures for 192 cities show a decrease of 9.2% from December and of 48.7% from last January. Dun's figures also show a total of building permits for January somewhat less than half the value of those issued in January, 1929. The total of New York City permits in January was about 30% larger than in December, but less than 1/2 as great as in January, 1929.

In contrast to these indications that lighter types of residential construction are lagging, the McGraw-Hill Construction Daily reports contemplated heavy construction operations of all classes, announced during January, amounting to \$624,502,000 as compared with \$550,120,000 in January, 1929. At the same time the Engineering News-Record figures show a total of heavy construction contract awards so far this year about 45% less than in the corresponding period of 1929.

It thus appears that while general construction under way showed improvement in January, prospective work declined, and heavy construction prospects improved though actual heavy construction under way was lagging.—(The Business Week).

KANSAS CITY BUILDING TRADES ON STRIKE

The Central Building Trades Council, representing all organized building crafts in Kansas City, Mo.; Kansas City, Kan., and Leavenworth, Kan., voted Feb. 28 to strike for a five-day week at the present five and one-half-day pay. Between 3,000 and 9,000 workmen are affected, and the strike will cause cessation of all building operations on which union labor is employed unless builders can establish the "open shop."

The workers had demanded a 12 1/2 per cent wage increase, while the Builders' Association (employers) had proposed to cut wages 10 per cent. The matter was placed in the hands of a Chamber of Commerce committee for arbitration. The committee on Feb. 28 recommended that wages be neither increased or decreased.

The trades council then voted a strike to enforce new demands—a shortening of the 44-hour week to 40 hours, eliminating the 4-hour work period on Saturday, with no decrease in wages.

MUNICIPAL WATER DEPARTMENT FOR S. F. CREATED

Final steps in setting up the legal machinery for the taking over by the city of San Francisco of the Spring Valley water system on March 3 were taken Feb. 26 when the Board of Supervisors approved the ordinance creating the municipal water department and Nelson A. Eckart, assistant City Engineer, was named as general manager of the utility at an annual salary of \$15,000.

Eckart's appointment was announced by the Board of Public Works, in whom the control of the operation and management of the Spring Valley water system is vested.

The ordinance approved by the Supervisors yesterday contains the following important features:

1. Control of management and operation vested in Board of Public Works.

2. Control of expenditures to rest with Board of Supervisors.

3. Budget for Spring Valley system to be made up by Board of Public Works on recommendation of General Manager Eckart, subject to Supervisors' approval.

4. Four hundred and fifty Spring Valley operating employees to be transferred to San Francisco civil service lists.

5. Wage scale of Board of Works for similar work to be paid Spring Valley employees.

6. All supplies, except emergency equipment, to be purchased by Bureau of Supplies.

7. Minimum depreciation fund and water extension reserve of \$554,000 to be set up annually from revenues.

8. Water rates to remain as at present for limited period.

9. Spring Valley employees to be classified under city rules later.

The \$15,000 salary fixed for General Manager Eckart is the same as that received by General Manager George Elliott of the Spring Valley Company under the present private management. It is also the same as the salary paid City Engineer O'Shaughnessy.

RIVERSIDE CEMENT COMPANY MAKES 1929 REPORT

Riverside Cement Company reports a net profit for the year ended December 31, 1929, of \$1,013,084, which is equal, after dividends on the first preferred and class A cumulative preferred, to 98 cents per share on 345,000 outstanding class B shares. Figures for the net were after depreciation and Federal taxes.

For the year gross profit totaled \$1,519,817, against which was charged \$382,002 for depletion and depreciation and \$123,730 as provision for Federal taxes.

Balance sheet as of the close of the year indicates assets at \$12,645,097, of which \$3,520,285 are current; current liabilities of \$455,141 and surplus \$2,289,037.

S. F. BUILDING SHOWS SLACK IN FEBRUARY

San Francisco building operations in the month of February involved an expenditure of \$1,144,062 as compared with \$2,314,112 for the corresponding period in 1929. January, 1930, operations involved an expenditure of \$1,431,933.

During February 495 building permits were issued as compared with 570 for February of 1929 and 610 for January, 1930.

The February operations are the lowest on record for that month since the year 1919, when the total registered \$355,377.

Following is a segregated report of the February, 1930, activities as compiled by John B. Leonard, superintendent of the Bureau of Building Inspection of the Department of Public Works:

Class	No. of Permits	Est. Cost
A	3	\$ 76,100
B	18	308,250
C	127	594,310
Frames	345	146,971
Alterations	2	18,431
Public Bldgs.		
TOTAL	495	\$1,144,062

CALIFORNIA RATES SECOND IN NATION'S BUILDING

California ranked second in the United States in volume of building permits issued during January, with a total of \$17,415,364. New York was first with \$34,805,226, and Ohio third with \$9,019,693, says the Pacific Coast edition of the Wall Street Journal.

Building permits issued in 566 representative cities and towns during the month showed a loss of 46 per cent from January, 1929, and a decline of 17 per cent from December, 1929; and December, in turn, had declined 19 per cent from November.

The total for January this year was \$127,685,004, compared with \$236,200,319 in January last year, and with \$153,717,819 in December, 1929. These figures do not include engineering projects. The total for the 25 cities that issued the largest number of permits during January was \$85,395,394, a decrease of 46 per cent from the January, 1929, volume of \$160,200,981, but a 9 per cent gain over the \$78,789,661 reported for December, 1929.

The first 12 states in value of permits issued rank in following order:

State—	No. of Cities	Volume of Permits
New York	44	\$34,805,226
California	69	17,415,364
Ohio	28	9,019,693
Illinois	49	6,992,189
Michigan	20	6,473,084
Washington	14	5,982,891
Texas	20	4,981,743
Massachusetts	26	4,710,742
Pennsylvania	18	4,398,590
New Jersey	37	4,019,343
Maryland	5	2,710,417
Wisconsin	19	2,227,760

BRINGING LEGAL REGULATION OF BUILDING FINANCE UP TO DATE

By J. W. Morin, Attorney of Pasadena, Calif.

Some patient professor in the Law Department of Harvard or Yale University, after a search of the statutes and decisions in courts of America for over one hundred fifty years, has discovered that the subject matter of the peoples law and litigation changes its content almost completely every thirty years. Those things which most concerned the legislatures and courts of 1900 have already passed into limbo in 1930. In other words the styles change in legislation more or less as they change in automobiles, in science and religion, ladies' hats and even, as we all know, the style changes in buildings.

The principle of the mechanics' lien law is found, I am told, in the legislation of 46 out of 48 states of the union, and in California we have had it some form ever since 1879. The principle upon which this peculiar legislation is based is that those who merge their labor and materials into an improvement on real property and in so doing, lose the identity of the thing they furnished beyond all other possibility of reclamation of the service or materials furnished, have a claim on the product of their labor and material, which we call a mechanics' lien.

In 1911 California passed the present act, under which business has operated, with little changes, for nearly 20 years. It seemed a fair and adequate scheme to meet all obvious problems at that time. It gave the owner the choice of either unlimited liability against his property for all labor and materials used in the improvement or the opportunity to limit his liability to the contract price, in case he filed, before the beginning of construction, his plans, his contract and a bond to laborers and materialmen equal to 50% of the contract price. This plan seemed in 1911 adequate because it was assumed that the owner had a valuable property interest in the real estate to protect and that he would exercise due diligence to protect it and would, therefore, file a 50% bond. The theory of the 1911 Act was that even the materialman who was careless could furnish his material without investigation and lay the burden of his bad credit method at the door of the owner and let the owner settle the bills either to protect his equity in the property or by making claim on the 50% surety bond.

Use of Surety Bond

It has been a common phenomenon of increasing occurrence, however, that more and more the owners have failed to avail themselves of the use of this surety bond and have taken a chance and built without the bond. It may not be realized, however, that in fact, by actual count, in Los Angeles County, for example, it has been found that 98% in number of the jobs have been built without the labor and material bond. This factor is present, of course, more particularly in what are known as smaller jobs, particularly those under \$10,000, but it is also a frequent situation in very large construction enterprises as well. The legislature afforded a complete and beautiful scheme for the protection of all in 1911 but made it optional if the people wished to use it, and as above indicated, 98% of the citizens turned their backs upon this logical

An address delivered at the 19th Annual Convention of the National Association of Builders' Exchanges, Palace Hotel, San Francisco.

scheme in the 1911 Act. It is as if the legislature had made a building code which was optional and 98% of the people had built their buildings without any compliance with the building code whatsoever, that is, without plans and specifications in accordance with accepted building practice. The result in either case is anarchy, legal anarchy in the case of mechanics' lien legislation and construction anarchy in case it had been optional whether one would or one would not follow a building code.

Upon an investigation in California, it has furthermore been found that the major assumption upon which the 1911 Act was based, that the owner has an equity in his property to protect, is no longer a safe assumption for quite generally in the great metropolitan centers comprising at least 3/5 of the population and wealth and enterprise of the great Southwest, the 100% financier has become the great pest of the building industry and the present statutes are entirely obsolete to deal with "these bright young men." The industry laws are as obsolete as a 19 year old battleship—you will at least have to elevate your guns if you are going to get that bird.

Of course, there are various legitimate risks that are inherent in building enterprises, as in all business, but whereas a well managed retail credit business will lose only 1% of 1% of its gross business through bad collections, the astonishing fact develops that in these active metropolitan centers about 5% of all building construction business by volume is affected by credit trouble to the extent of having liens and at least 1% of the accounts by volume is probably lost. The liens recorded in Los Angeles County alone for the year 1927 were 14,179 involving \$9,800,000, for the year 1928, were 11,053 in number, involving approximately \$8,000,000, and collections will lose only 1% of the volume of building activity, they are still 10,949, involving about \$5,500,000. To fully appreciate the significance of this handicap to the industry as a whole, one should realize that the net profit in the retail turnover in ordinary credit business is about 2%. On the other hand, here in the building business which is supposed to have the mechanics' lien law for its protection, there is a loss of 1% of the gross accounts, meaning a loss equal to one-half of the amount which should be its absolute net profit through liens, expenses, discounts, compromises and various deductions, besides an unmeasured more remote but larger loss through irritation and lack of confidence, particularly in its financing aspects.

If a citizen with some capital to loan shakes hands with a banker in Long Beach, Pasadena or Los Angeles and says that he has \$5000 to invest in a mortgage or trust deed or something else that is good, he is advised that he can buy public utility stock under the regulation of the State

Railroad Commission; he can buy industrial stock under the central and regulation of the State Corporation Commission and the rules of the Stock Exchange—does the banker advise him to put his money in a building loan without any regulation or protection whatsoever—no, the banker does not.

Dark Spots in Building Loan Finance

If a citizen has \$5000 to invest and he wants to take a chance on a building loan, all that he can depend upon is the recording system of California and a guarantee of title and unless the title company takes the responsibility of disbursing the funds, they will not guarantee that his building loan is and remains a first lien upon the property. In other words, regardless of the things shown on the record, there remain troublesome questions as to the physical condition of the property, watered paper, usurious paper, 100% financing and bogus paper which rise up plague the lender and most particularly the materialman and all who are concerned therewith and which present statutes totally fail to cover and the decisions do not help out the statutes to any great extent. These bad situations are due to the various dark spots or twilight zones wherein the rights of the man who furnished the loan for the building are in conflict and doubt in actual practice, if not in theory, with the rights of those who furnish the labor and material to build the building which was to be a part of the security for the loan. The Junior loans are a course the principal place for this problem.

In 1929 the legislature of California wisely saw fit to license and regulate the contractor who had been used to leaving his bag of troubles at the doorstep of the innocent owner, for the owner to take care of as best he could. The contractor is now subject to termination of his license for dumping his bag of troubles on the doorstep of the owner and for the first time in 75 years, we may now in 1929 if the law is studied and its provisions followed, stop the contractor who has done this once and the 1911 Act is therefore, brought up-to-date as far as the contractor is concerned.

Remember, however, that 98% of the jobs are being built without the 1911 surety bond provision and when 98% of the people do a thing the wrong and dangerous way, the writer believes that something should be done about it, for the damage that results from the mistake and ignorance, as well as the schemes of this 98%, are the worst problem facing the financial side of this industry today. In other words, the 1911 Act was invented to protect the owner and materialman but the act is utterly futile to protect the honest materialman and the honest purchaser of building finance paper during construction, unless he hires a corps of detectives to investigate each job and has a Philadelphia lawyer to interpret the facts which the detectives bring in from the investigation.

Now The Careless "Owner Builder"

It is now the schemer or visionary owner who has an ill-financed or half-baked building scheme who should be regulated by some rule that would require a disclosure in case of building

loans of the real ownership of the property, the real amount borrowed and from whom, what has been charged by way of commission, what has been paid out of the loan for acquiring title from the former owner what various old personal debts the borrower has paid out of the building loan funds for unrelated obligations and what money is left finally for the construction purposes and where it is. There are questions which our present title and recording laws by no means answer. They are merely a rap for the unwary, and it has been found by frequent systematic investigation and postmortems following upon a blown-up building enterprise that the amount of these irregular deductions from building finance loans are in most cases almost exactly equal to the shortage of money which, if it had not been short, due to these deductions, would have completed the building enterprise in good order.

There is no moral reason why a building loan fund during construction and until it has been paid out for legitimate expenses, should not be deemed a trust fund. The Supreme Court of California in December 1928, in *Smith vs. Anglo-California Trust Co.*, decided as between the owner of property and the lien claimants, that it was—although they refused to call it by that name. However, no such doctrine applies between the crooked lender and the building materialman and hence the crooked owner, with the aid of a wiley broker and a slippery so-called finance company are responsible for a good share of the 10,000,000 or thereabouts that is tied up each year in one county of California alone in bad building finance schemes.

There is absolutely no real regulation so far in the law on this situation. One must indeed swear on oath that mere chattel mortgage on an old second hand flivver is in good faith and without intent to hinder, delay or defraud; one must submit a permit before one can sell a share of stock in California—do business as a banker—sell bonds—engage in the building and loan business or record a subdivision; but one may dream a dream at night of a vast building scheme,

in the morning borrow a lot, put up a fictitious first, second and third paper encumbrance invite the world to participate in the offering, and a great portion of the citizens will bite.

Reform Program

You, Gentlemen, who attend the National Conventions of Builders Exchanges, are the leaders in your various communities, you do responsible work and you get paid for it with real money, and you work under favorable conditions even though you may not realize it. You do not need regulation. Neither the owners with whom you deal nor the persons who loan building funds to these owners may need regulation, but the people of the country look to you to lead in the cleaning up of a much needed reform program.

The recognizable fact is that the evils inherent in the present financing abuses of the building industry prey most upon the weak and ignorant and perhaps the incompetent citizens. It is not so much the big and legitimate business, so-called, that is immediately concerned but the effect of losses upon the little home owner and the persons concerned in the building of the little job are colossal. When it is realized that mechanics' liens run in number from 10,000 to 14,000 a year from one county alone and actually involve about one out of every five building permits issued, a notion of the wide prevalence of an unhealthy conditions is realized. No industry could stand such a load of manipulation and abuse and survive if it were not a fundamental industry which must struggle along that the common people may have roofs over their heads.

The ugly fact, is however, that whereas the great public service corporations expect to get their money for expansion on the payment of six or seven per cent at the outside and will not expand their programs if they pay more, the little home owner and the little contractor and the little material man and all the little people among the millions that are citizens who must and will live, are affected by ruling conditions where the money, for junior financing particularly, is manipulated so that in many in-

stances they pay from eight to sixteen per cent or more. These percentages may be normal in the case of rapidly depreciating property like automobiles and such chattels but there should be regulations discouraging a practice which puts the weaker classes of society, financing homes, in the impossible position of paying for the use of money a rate of interest which the carefully managed and directed big service corporation cannot and will not pay. The evils of which I speak thrive in the dark. They thrive because of the loopholes for manipulation existing under our present system whereby one may record instruments affecting real estate which do not speak the truth and then dispose of the funds derived thereby entirely without orderly regulation, which characterizes other forms of investment.

Every thinking member of this greatest of all industries known that this sort of situation breeds losses but most of all it breeds lack of confidence and discontent. If you wish the industry financed, can you afford to tolerate a condition where as a class you lose one-half of your net profits in turnover—where you cannot sell your building finance paper in competition with other products of American industry? The contractors are now regulated—turn now to the owners and smoke out the irresponsible so-called owner-promoter who is without a bona fide plan and without a bona fide property interest to protect.

Future Los Angeles business buildings will cover a much greater area than those built in the past, according to Col. W. A. Starrett, builder of many of New York City's largest skyscrapers, in a talk before Los Angeles architects, contractors, building owners and managers last week. Col. Starrett stated that the trend is towards buildings covering greater area because it is an economic loss for 20 owners to erect 20 buildings within one city block when they all serve the same purpose and their administration over a period of years is not as economical as that of one building combining all that space.

BIDS ASKED ON COUNTY DETENTION HOME



Reed and Corlett, Architects.

Cut Courtesy Monterey Peninsula Herald

Bids will be considered on March 10 by the Monterey County Supervisors to erect the new county detention home from plans prepared by Architects Reed and Corlett of Oakland. The structure will be of the Spanish type, concrete construction with stucco exterior, tile roof and windows set in deep casements.

It will contain two wings, one for boys and one for girls, which will be divided by matrons' offices. There will also be separate recreational yards for both sexes.

Although a fund of \$30,000 has been set aside for construction of the detention home, it is not expected that the entire sum will be used. Estimates place the probable cost of the building at between \$23,000 and \$25,000.

The home will be built on the county hospital grounds, about three miles northeast of Salinas.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

The newer mode in architecture has brought about striking effects through greater simplicity. This is the belief of William C. Hays, professor of architecture at the University of California, who will inaugurate a course in "The Modern Home," beginning March 12 at the Extension building at 549 Powell street.

The course of ten lectures on all phases of the home is believed to be the first of its kind ever offered on the coast and is being sponsored by the university after requests from home owners and prospective builders in the bay region for such a series.

"People are beginning to design buildings with the thought in mind of the structure's particular function," says Professor Hays. "and are no longer accepting as a standard what has been done before. Each room in the modern home must present the maximum in convenience and practicability."

The architect believes that the manner of living in this decade, compared to past decades, has brought about a transformation in building homes. He says, "The average person spends far more time away from home than his grandparents did. Because of this decrease in the use of the home, the distribution of money into building should more than ever be carefully studied out. We no longer find the special parlor that used to form a part of every home."

Lecture topics in the course will include house plans, the site and the relation of the house to it, equipment, arrangement, interior and exterior design, styles of homes, what constitutes a good house, some consideration of the investment, and value to be considered when purchasing a house.

Professor Hays is one of the few architects on the Pacific Coast who has studied at the American Academy at Rome, doing so under the John Stewardson memorial traveling fellowship. He has been architect for a score of projects on the Pacific Coast, including the University of California Branch of the College of Agricultural group at Davis. He is architect of Giannini Hall, the newest addition to the agricultural group on the Berkeley campus.

Joseph Geiger, former president of the Geiger Iron Works of Stockton, who died last January, left an estate which is community property worth \$250,045 and the inheritance tax on it is \$2661, according to Joseph D. Malloy, a state inheritance tax appraiser. Included in the estate is 1491 shares of stock in the Geiger Iron Works that Mr. Geiger gave to his wife prior to his death.

H. C. Baumann, San Francisco architect, was given a judgment for \$2,880 against Steve Carusa of Pittsburgh by Superior Judge A. B. McKenzie in his claim for \$5,700 architect fees alleging that he had prepared plans for a \$160,000 six-story building which was to be erected in Pittsburgh for Carusa. Although the building was not constructed, Baumann demanded his fee, stating that he put in just as much work on the plans as he would have if the building had been built.

Believing that stability, especially in the building industry, is essential at this time, representatives of labor and the building industry in Seattle have agreed to continue the present labor agreement. This was the statement from James Murdock, president of the Seattle Chapter of Associated General Contractors, and George D. Early, secretary of the Building Trades Council. "It is the desire of all engaged in building construction to stimulate, foster and promote a building program in Seattle that will be the envy of the Pacific Coast," Murdock said.

Air rights for building purposes are coming into a prominent place in real estate practice in the larger cities, it was indicated in round table discussion on air right leases held during a session of the Brokers Division at the annual meeting of the National Association of Real Estate Boards in Phoenix, Ariz. Mark Levy, Chicago, chairman of the Division, pointed to the fact that in financing the building of the Merchandising Mart in Chicago, which will be the largest operating building in the country, not only had the loan been originally a bank loan but it had later been taken over by an insurance company. "Air right lease loans as insurance company loans are a new feature of real estate financing," Levy said. "The use of air rights in congested cities where accessibility is important is yet in its infancy." Levy stated, however, that in appraising the value of properties the fact that on any given site there has been built a structure the owner of which holds title or lease on the right to the air above the ground at a certain height does not increase in proportion the value of the adjacent land. The air right development intensifies the use and therefore the value of the first site, but that does not mean that it has increased the value of adjacent land which may never be so intensively developed.

Martin Judge Jr. & Co. of San Francisco, seeks authority of the State Department of Public Works, Division of Water Rights, to construct a concrete dam 600 feet long and 160 feet high in Indian Valley, Lake County, for storage of approximately 175,000 acre feet of water for industrial use in Contra Costa and Solano Counties. The storage and distribution system will cost approximately \$3,000,000. The application states the company plans to appropriate water from the north fork of Cache creek, Lake County, and distribute it to industrial concerns between Richmond and Antioch south of San Pablo and Suisun bays in Contra Costa County and to Benicia in Solano County.

Loans totaling \$231,800 on old and new dwellings in Los Angeles, San Francisco, San Mateo and Burlingame, Calif., were authorized at the last meeting of the Metropolitan Life Insurance Company real estate committee. The loans were placed through Mortgage Guarantee Co., Los Angeles. Loans on mortgages, authorized in the country at large at the same meeting amounted to \$2,199,301. Of this amount \$1,474,801 were city loans and \$724,500 were farm loans.

Advice to those concerned in construction and building industries that their present task, broadly speaking, is to survey the market as it stands, both as to supply and demand, and see where the demand for the commodity, which these interests have to dispose of, can be widened was given in a recent statement made by Robt P. Lamont, Secretary of Commerce, in discussing the present national plan for an advance in home building. Such advice is in line with the current opinion of real estate leaders expressed at the recent Phoenix meeting of the National Association of Real Estate Boards when Harry H. Culver, retiring president of that organization, and Leonard P. Reaume, incoming president, both emphasized that 1930 must be a year of action based on facts, which must be ascertained by means of thorough surveys of the local conditions of real estate supply and demand.

The peak of winter in California invariably brings less work. Men in the seasonal occupations of the country drift into the cities, and inclement weather affects some industries. The January placements by the State Employment Agencies totaled 7,731, as against 9,494 for December, a reduction of 1,763 or 18.6 per cent. Compared with January of 1929, last month's figure show another reduction, 7,731 to 7,320, or 19.7 per cent. The State Employment Agencies, according to Will J. French, director of the State Department of Industrial Relations, have placed 248,729 men and women from July 1, 1928, to January 31, 1930.

Wm. T. Whitmore, Oakland fireman, was suspended by C. C. Young, city commissioner of public health and safety, when it was found that he was working in his spare time as a carpenter. Civil service rules make it specific that no city employee may engage in any other pursuit than that in which he earns money.

California's highway development during January of this year have included construction involving an expenditure of more than \$5,000,000, according to Bert B. Meek, state director of public works. According to Meek, \$3,822,300 worth of work has been placed and contracts and bids are pending on other undertakings totaling \$2,855,300.

Effective March 5 the water lumber rate from the Pacific Northwest to Gulf of Mexico ports will be dropped from \$14 to \$12 a thousand, officers of the Luckenbach, Gulf-Pacific and Redwood lines announced. The rate will be effective for at least ninety days, with a possibility of it being continued. Lumber shippers were said to be surprised at the action, as the \$14 rate had been continued for a year at a meeting in Portland, December 2, of shipping and carrier men. Of the three companies announcing the cut, only the Luckenbach and Gulf-Pacific belong to the Gulf Conference. A fourth service to the gulf, the Trans-Marine, was withdrawn recently.

Reno, Nevada, city council has adopted an ordinance (No. 429) regulating the storage and handling of photographic and Ex-ray nitro-cellulose films and other explosive films.

J. S. Bailey and M. Nine, timber cruisers, are in Yreka to survey several timber tracts in northern Siskiyou county. If sufficient timber be located it is probable that the erection of a mill and box factory will be undertaken.

ALONG THE LINE

McEverlast, Inc., Los Angeles, Cal., has appointed O. A. Steller manager of its advertising department. Mr. Steller was formerly editor of the magazine Concrete.

John D. Finnigan, deputy plumbing inspector of Portland, Ore., for the past 20 years, has been appointed chief plumbing inspector to succeed Wm. Hey, former chief of the municipal plumbing bureau and a deputy inspector for the past 25 years, who recently died.

William H. Menn has been appointed a member of the Los Angeles Building and Safety Commission to succeed J. W. Toms, resigned. He is a member of the insurance firm of Menn & Van Kuick of Los Angeles.

Fred J. Maurer, general contractor of Eureka, died at his home in that city March 1, following a long illness. Maurer was a native of California, aged 67. He had lived in Eureka for the past seven years and in company with his son was active in construction work during that time.

Arthur Reginald Widdowson, Sacramento architect and a resident of the capitol city for the last seventeen years, died at his home in that city March 1, following a prolonged illness. He was fifty-one years of age. Widdowson, who has been connected with a San Francisco firm before coming to Sacramento, was widely known in Sacramento because of his specialization in the field of domestic architecture.

Papers in the suit for \$7,921.74, brought against the city of Vallejo by J. F. Collins, Stockton contractor, have been served on city officials. The suit represents the balance Collins claims is due for work performed on the Gordon Valley spillway two years ago.

Eugene N. Foss, representing the F. B. Sturtevant Company, manufacturers of tunnel ventilators and air coolers, is on the Pacific Coast to complete negotiations for the construction of a plant on a site already purchased in Berkeley.

By failure of the Fresno City Council to act in electing a successor to A. M. Jensen, city commissioner of public works, whose resignation is effective today, Frank Bantama, deputy commissioner of public works, will become head of the department until a new commissioner is selected by the council. Candidates for the position are Jean Vincenz and C. C. Alkenburgh Jr.

William P. Day, Financial Center bldg., San Francisco, has been granted provisional certificate to practice architecture in this state, it is announced by Albert J. Evers, secretary of the State Board of Architectural Examiners, Northern District.

According to an Associated Press dispatch from Paris, Jean Julien Leonard, painter, blinded in the war, as become a successful architect, specializing in the designing of homes. He dictates the technical details to a draftsman.

TRADE NOTES

U. S. Steel Corp. has purchased 208 acres of land adjoining the present plant in Pittsburg, Contra Costa County. This is the first definite indication that expansion of the Pittsburg plant is contemplated.

M. Allen and Paul Frank, painters and decorators of San Francisco, contemplate establishing permanent headquarters at Suisun, Calif. Temporary quarters have been opened in the Arlington Hotel Building.

Alpine Mill and Manufacturing Company of Stockton, has opened a branch at 163 West 11th St., Tracy, with Carl D. Salfeld in charge.

Millwork Institute of California has opened a branch office in the Blake Building, 9th and Broadway, Oakland. Main offices are maintained at 520 Sheldon Building, San Francisco.

Caldow Paint Co., of Oakland, is having plans prepared for a three-story factory and warehouse to be erected at 14th Ave. and E 14th St., Oakland. The company is now located at 1422 14th Ave., Oakland.

Worthington Pump and Machinery Corp., New York City, will be represented in California by a local company, Worthington Machinery Corp. of California, Ltd., with headquarters at Los Angeles and San Francisco. H. D. Cornell will be president of the new company and George W. Hawkins vice-president. Mr. Cornell was formerly president of the Worthington Machinery Corp. of Oklahoma and Mr. Hawkins has been director of sales of the parent company.

Herzog Electric & Engineering Co., Ltd., of San Francisco, capitalized for \$150,000, has been incorporated. Incorporators are: Katherine G. Herzog, J. C. Saffig, Edgar B. Doering, Charles P. Markley and Arthur Purdon.

D. J. Sullivan will operate from 622 Fifth Ave., San Francisco, under the trade name of The Steel Erection Co.

T. H. Davies and Co., one of the important sugar factors in Hawaii, and with numerous other connections in the business of the islands, announces the purchase of Allen and Robinson, one of the old established lumber and hardware firms of Honolulu. The purchase price was \$750,000.

Pacific Structural Welding Corporation has located factory and offices at 481 Fifth St., San Francisco. The company manufactures light structural steel and all welded steel bodies for light commercial trucks in addition to doing a general welding business. W. R. Maeder is secretary of the company.

George N. Ley was re-elected president of the Santa Cruz Lumber Company at the annual meeting of stockholders, Feb. 18. Other officers elected were: James R. Williamson, vice-president; James M. Maddock, secretary-treasurer, and Mr. Ley, Mr. Williamson, Samuel Leask, Sr., Walter Byrne and Jules Steen, directors. All of the directors are residents of Santa Cruz except Mr. Steen. The Santa Cruz Lumber Company cut more than 9,000,000 feet of lumber last year in its holdings on the upper San Lorenzo, near the San Mateo County line.

HERE — THERE — EVERYWHERE

Annual convention of the Northwest Electric Light and Power Association, Engineers' Division, will be held in Aberdeen, Wash., March 26, 27 and 28. It is announced by Edgar F. Pearson, chief electrical engineer of the Northwestern Electric Company. Headquarters will be maintained at the Morck Hotel. More than 200 hydro-electric and steam power plant engineers and their families will attend.

Preliminary plans for the annual convention of the International Association of City Managers to be held in San Francisco during the late summer were considered at a recent meeting of the City Managers' Association of Northern California in Berkeley. John N. Edy, city manager of Berkeley, is chairman of the committee in charge of arrangements.

Frank C. Bremer of Yuba City was elected president of the California Hardware & Implement Association at the thirtieth annual convention of the organization in San Francisco Feb. 20.

Day dreaming last summer while sitting on the front porch of his home at Marysville, Kansas, Charles C. McBurney conceived a machine to hang wall paper. Today his dream threatens to bring him wealth. Made from pieces of farm machinery in his barn, McBurney later put together a contrivance with which to fulfill his dream. After some experimenting, the machine was made to hang wall paper.

Sacramento builders have reached no agreement on the proposed five-day week, it was revealed following a meeting between directors of the Sacramento Builders' Exchange and officials of the Building Trades Council. No definite action is expected for two weeks.

Engineers' Club of Seattle, Wash., at its recent election chose the following officers to serve for the ensuing year: President, J. R. West, chief engineer, Port of Seattle; vice-president, W. F. Way, engineer with Henry & McFee, contractors; secretary, J. T. Dovey; treasurer, R. W. Pinke, assistant resident engineer, Northwestern Portland Cement Co.

Power Plant Engineering Company of Seattle, has become affiliated with the Petroleum Heat and Power Company of New York City, manufacturers of oil burners.

Headed by R. B. Wurltzer, the German American Building-Loan Association, has opened offices at 833 Market St., San Francisco, and will engage in a general building-loan and savings business.

A. F. Shepherd of Seattle, was elected vice-president of the International Society of Master Painters and Decorators of the U. S. and Canada at the recent convention of that body in Minneapolis. Shepherd will have under his jurisdiction all the councils of the several states comprising the Western zone.

The Window Muffler Co., Ltd., of San Francisco, has been incorporated. Incorporators are: D. K. McLean, E. McDevitt, E. A. Austin, D. C. Barrett and B. Bailey.

MONTGOMERY WARD SEES BIG HOME-BUILT HOME MARKET

Home building in 1930 promises to make record-breaking strides for Montgomery Ward and Co., as a result of the new cooperative financing plan that company recently put into effect for the erection of ready-cut dwellings and of the cooperation of local contractors and building tradesmen.

"The new Ward plan makes it possible for the family man to have his own home at a cost less than the rent he has been paying," said J. A. Webber, manager of the Wardway Ready-Cut Homes department recently, "and therein lies the biggest factor of the new home-building era. The plan fits snugly into the desire of President Hoover to stimulate building activities in 1930, and therefore has a very definite place in the economic scheme of things."

"Besides giving strength to the general economic fabric, the Ward plan operates directly for local building activity, for, wherever possible, our company urges the employment of local contractors and building tradesmen. The Wardway Ready-Cut Homes department has arranged for more than 400 sales offices throughout the nation, most of them being linked up with our chain stores. We have sales managers in many districts and they operate with competent and adequate corps of assistants to aid the prospective home owner in his selection of plans and to facilitate the completion of the job. Every economy consistent with perfect workmanship is practiced. Preference always is given to local contractors and building tradesmen, and at all times our company insists that the very best workmanship be put into the structure, which we turn over to the buyer complete in every respect. When we have done our part, we turn the key over to him and say 'Here is your home completely constructed.' Whenever desired, in the sections where we have sales offices, Ward's will have all the direct dealings with the contractors, thereby relieving the home buyer of all attention and loss of time incident to proper supervision. In a word, we assume the whole job, which is complete only when the building is in every way ready for occupancy."

"As to the Ward financing plan: Ward & Co. asks only that the prospective home-owner have his building lot free and clear of debt. The company lends up to 75 per cent of the full value of the building lot and the proposed home on a first mortgage, and assumes all details incidental to the building of the home. The owner has 15 years in which to pay for his home, his payments on principal, interest and financing charges being only \$8.44 a month per \$1000 loaned. This, to our knowledge, is the lowest charge now in effect by home builders."

"The prospective builder makes his selection from our very large list of architectural offerings in our catalogue, or from any other designs he may have in mind, and we do the rest. Our homes combine beauty with utility, and so extensive and diversified is our list to select from that we can meet the requirements of any family, large or small."

West Coast Wood Preserving Co., Seattle, Wash., has been organized to operate wood preserving plants of the J. M. Colman Co. and the Pacific Cresoiting Co. as a consolidated property. Officers of the new company are: President, Laurence J. Colman; vice-president, L. C. Henry; secretary-treasurer, A. D. Barrall; manager, H. E. Horrocks.

SEVEN BILLION DOLLARS FOR PROJECT IN 1930

A program calling for the expenditure of more than seven billion dollars in 1930 for public works and by public utilities and big industries, is beginning to pull American business out of a slump, according to Dr. John M. Gries, chief of the division of public construction of the Department of Commerce.

He reports that thus far in 1930, projects for expansion and improvements have proceeded as rapidly as figured when prospects were inventoried at the November Hoover conferences, He said:

Recent reports are encouraging. Electric light and power companies, representing 85 per cent of the industry, estimate their expenditures for new construction during the first quarter of 1930 at 10 per cent in excess of similar expenditures last year.

CO-OPERATION URGED

Closer co-operation among the various trades in the construction industry was stressed at a dinner meeting of architects, material dealers and contractors at Sacramento, Feb. 26. Leonard F. Starks of the architectural firm of Starks and Flanders, Sacramento, presided. The session was held under the auspices of the State Association of California Architects. Twenty-eight attended.

The principal speakers were J. J. Donovan, William Garren and Charles Roeth.

JUDGE WARNS CONTRACTORS ON SAFETY

A few months ago a San Francisco Judge refused to hold the owner of an unsafe elevator guilty because "he supplies my fraternal organization with refreshments." Recently Judge Dimick of Ventura County found a contractor guilty of working men in a ditch more than seven feet deep without bracing the side walls. He was sentenced to 30 days on the County Jail. As it was the first case in the County and the evidence showed the violation to be common, the Industrial Accident Commission's representative asked for a suspension of the sentence when the Judge gave a warning to all contractors that hereafter heavy jail sentences would be imposed if safety orders were treated with scorn.

CEMENT PRODUCTION CONTINUES TO SHOW DECLINE

American portland cement mills continue to show a decline in the ratio of operations to capacity as indicated by the figures for 12 months' period ending January 31. According to statistics released by the Bureau of Mines of the Department of Commerce the ratio of operations to capacity for the last 12 months was 65.5 per cent. The ratio percentage for 12 months ending January 31, 1929, was 71 per cent and has fallen from a maximum of 71.1 per cent for twelve months ending April 30 to 65.5 per cent for 12 months' period ending Jan. 31, 1930.

During the month 8,498,000 barrels were produced, 4,955,000 barrels were shipped, and stocks on hand at the end of the month were 25,094,000 barrels. Production for January, 1930, was 14 per cent less and shipments 13.2 per cent less than January, 1929. Stocks at the mills were 1.1 per cent higher than a year ago.

U. OF C. PROFESSOR TELLS OF EAST BAY DAM SETTLEMENT

In his first report of a survey of the Lafayette Dam of the Eastbay Municipal Utility District which settled some twenty-two feet recently, made to fellow geologists, Professor George D. Louderback, chairman of the department of geology at the University of California stated that no deep faulting occurred, and that the settling was merely a plastic displacement which could not have been anticipated by the engineers.

He gave his report before the Cordilleran Section of the Geological Society of America which met during the last week-end on the Berkeley campus of the University.

In a summary of his findings he said: "An earth embankment, built on a deep natural fill of alluvium when nearly completed and at a height of 120 feet, sagged down about 22 feet at its crest, spreading out chiefly down stream and raising a ridge of alluvium beyond the toe of the dam about 19 feet high. A series of test borings and pits were put down to determine the nature of deformation within the dam and in the foundation. While the surface expression showed cracks and scarp simulating faulting, it was found that these cracks closed up at moderate depth and that the deeper parts of the dam and alluvium had been deformed plastically. In the dam, this resulted in a profile of equilibrium for the clay core with lower than the original slopes. The deformation in the alluvium was confined to shallow layers which suffered a plastic displacement, the lateral movement downstream resulting in an up-welling in the form of a ridge. The deeper layers of the alluvium showed marked compression resulting in a comparatively symmetrical distribution of local water pressures."

The dam itself was of conservative type, which, by all calculations should have held. The movement is interpreted as a settling into more stable equilibrium with a broader base to the dam. If it is found necessary to place the dam in service, it is believed that slight additions to the height of soil of which it is composed will make it even stronger than the original plans called for.

SCRIPPS MAN TO HELP NAVY WITH PAINT RESEARCH

Prof. W. E. Allen has been named by Dr. T. Wayland Vaughan, director of the University of California Scripps Institution of Oceanography at La Jolla, Calif., to cooperate with the United States Navy in its research on paint to protect ships against marine growths. Professor Allen will be present in San Diego each month while conditions of growths are inspected.

According to word received by Director Vaughan from Rear Admiral C. V. Laws, commander of the Marine Island Navy Yard, paints that have been found fairly effective in preventing growth of animals and plants on ships' bottoms in Atlantic water are not so protective in the Pacific Ocean. Consequently, tests are being conducted on the Pacific Growth of the growth of fouling organisms, particularly barnacles.

The appointment of Professor Allen to assist in this work follows his research on similar problems. He has made special collections for Dr. W. I. Coe of Yale University in connection with studies at the institution place. These studies of Dr. Coe cover a period of about two years of collection from the pier at La Jolla and it is believed at the institution that the work will yield much information as soon as they are finished.

LUMBER RAILROAD PURCHASED BY S. C. LUMBER CO.

A logging railroad a mile and a half long, purchased by the Santa Cruz Lumber Company in the high Sierras, will be put in use in the Santa Cruz mountains where the company is cutting one of the last remaining tracts of redwood in central California.

The purchase was made by telephone, over which President George N. Ley and Secretary James M. Maddock, representing the Santa Cruz Co., conducted negotiations with the seller.

The former owners of the railroad was the Hume-Bennett Lumber Co. of Hume, Calif.

Rails, logging cars and a 40-ton locomotive will be installed by the company to reach a new stand of timber stumpage which it has just bought from the old Western Shore Company, a Middleton holding, on the headwaters of Pescadero creek, just across the line in San Mateo county.

The timber purchase has just been completed by President Hey from Timothy Hopkins, president of the Western Shore Company.

The logging road will run from the present mill site of the Santa Cruz Lumber Company in a general westerly direction. It is estimated by the officers of the company that the newly purchased timber stand will be sufficient to supply the mill with logs for six years. The company cut a little more than 9,000,000 board feet of lumber last year.

The timber in the newly acquired stand is similar to that in Santa Cruz county in which the company has been operating, being redwood with about six per cent pine.

HARDWOOD FLOOR AMENDMENT FOR BUILDING LAWS

San Francisco Board of Supervisors considering adoption of an ordinance to be known as Section 102-A of the Building Law which provides that hardwood floors must be laid on a sub-flooring of at least merchantable T and G pine flooring or pine boards not more than six inches in width and not less than seven-eighths of an inch thick, surfaced on one side and edge and laid as tightly as possible and to be double nailed on each floor joist to obtain a smooth and even surface. These conditions shall apply to hardwood floor construction in all types of buildings.

The proposed ordinance has already been passed to print by the supervisors.

ARCHITECTURAL LIGHTING MEET SET FOR NEW YORK CITY

A conference for architects to discuss methods and problems of commercial, industrial, and home lighting will be held March 12, 13, and 14th at the Westinghouse Lighting Institute, Grand Central Palace, New York City. Special problems concerning lighting in which architects are interested will also be treated. This Architectural Lighting Conference is sponsored by the Commercial and Industrial Committee of the National Electric Light Association.

The pressing use of light for utilitarian illumination and decorative purposes is bringing the architectural profession and the electrical industry into ever closer relationship. A mutual understanding and respect of the problems and aspirations of each as they affect the use of artificial light is the purpose of this conference. Each has ideals of service, the architect to his client, the electrical industry to the consumer of its product.

As the subject implies, architects and others interested are invited to

attend. In subject matter and detail this conference will be the most complete and instructive meeting of its kind ever held. Authoritative speakers will talk on subjects of interest.

MOTOR VEHICLE FUNDS NOT AVAILABLE FOR BONDS

Attorney General U. S. Webb recently informed District Attorney Brantley W. Dobbins of Solano County that motor vehicle funds apportioned to counties by the state cannot be used to pay the interest on the redemption of bonds issued by road improvement districts.

Webb declares the state motor vehicle act was not meant to authorize boards of supervisors to pay from county funds a liability imposed upon an improvement district that should be met by a special assessment tax.

BOND STRENGTH OF CLAYS IN MOLDING SAND

Molding sands consist of clay, silica sand, and water. The clay acts as a bond to hold the grains of sand together, so that the impression of the pattern in the molding sand will maintain its form or shape until the molten metal poured into the mold has solidified. The bond strength, or cohesiveness, of the molding sand depends largely upon the quantity and type of clay present.

The objects of the investigation reported in Bulletin No. 200 of the Engineering Experiment Station of the University of Illinois were (1) to determine the physical and chemical properties of a number of clays; (2) to compose the various clays for endurance of bond strength when used as bonds in molding sands under casting conditions; (3) to determine the thermal conductivity of molding sands and the effect of heat on clays and molding sands; and (4) to determine the effect of repeated heatings on the permeability of molding sands.

The bulletin contains a list of the clays tested and their sources, a description of the apparatus used, a discussion of the methods of testing, and the results obtained from the investigation.

Copies of Bulletin No. 200 may be obtained without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

SCHUMACHER WALLBOARD CORP. LOSES ROYALTY SUIT

The Schumacher Wallboard Corporation is not entitled to recover \$8997.39 from the Buttonlath Mfg. Co. for royalties earned during 1928, according to a ruling at Los Angeles by Superior Judge Yankwich.

By an agreement the Buttonlath Co. was granted a license to make and sell plaster board on the payment of a royalty of one cent per square yard with a minimum guarantee of \$10,000. The Schumacher Corp. agreed not to manufacture or sell the plaster board to any other company in the same territory except on payment of the same royalty. It is asserted that four years later after the agreement was made that the Schumacher Corp. granted a license to the Klinch Lath Co. without having the firm pay any royalty. The following year, 1928, the Buttonlath Co. stopped manufacturing the product and paid as royalty only \$1002.62.

Judge Yankwich held that the undertaking to pay the minimum royalty and the undertaking not to give a license to another company in the same territory on more favorable conditions were concurrent and the breach of one excused the performance of the other.

PACIFIC SOUTHWEST CITIES PLAN MUCH CONSTRUCTION

Chamber of Commerce of Los Angeles has been advised that 15 municipalities in Los Angeles county will expend approximately \$14,000,000 for new construction during the current year. The expenditures contemplated follow:

Redondo, \$370,000, municipal purposes; Whittier, \$180,000, municipal purposes and \$1,020,000 by private interests; Torrance, \$534,000, municipal purposes and \$1,500,000 private interests; Compton, \$600,000, municipal purposes and \$2,245,000 private interests; Santa Monica, \$258,140, municipal improvements and \$3,300,000 proposed; Inglewood, \$629,000, municipal purposes; El Segundo, \$210,000, municipal purposes; Beverly Hills, \$1,088,950, municipal purposes; Gardena Valley, \$25,000, municipal purposes and \$50,000 by private interests; Covina, \$270,000, municipal purposes and \$60,000 by private interests. Unofficial estimates for municipal purposes; Azusa, \$500,000; Long Beach, \$500,000; South Gate, \$500,000; Tujunga, \$100,000; Monrovia, \$100,000. These municipal expenditures total \$9,165,990, and the amounts to be spent by private interests aggregate \$4,875,000.

NEW TRADE ASSOCIATION

The Cement Institute, a trade association of manufacturers of portland cement formed last November, has established general offices in New York City and district offices in Chicago and Kansas City. Luther G. McConnell is general manager, with George H. Reiter and Baxter D. MacLain managers of the Chicago and Kansas City offices. Activities of the Institute will include the collection and dissemination of information with respect to trade and commerce, involving credit information, contracts for immediate and future delivery, production, stocks on hand and shipments of clinker and portland cement, and tabulation of cloth sack returns. In addition, it is the institute's purpose to draw up a lawful plan for the general development and improvement of the industry. It has already formulated a code of ethics for the guidance of its members. Officers of the Institute are: President, Elaine S. Smith, president, Pennsylvania Dixie Cement Corporation; vice-president and treasurer, Morris Kind, president, Hercules Cement Corporation; vice-presidents, M. C. Monday, president, Hermitage Portland Cement Company, Charles Irvin, vice-president, Alpha Portland Cement Co., and J. A. Lehaney, vice-president and manager Lone Star Cement Company of Kansas.

CHICAGO PAINTERS GRANTED WAGE INCREASE

Eighteen thousand painters in Chicago, Ill., on March 8 were granted a \$1 a day increase. Their daily wage will be \$14, and they will continue to work a five-day week.

The increase was automatic, being the result of a clause in the union's contract with employers providing that painters receive as much as workers in any other trade.

Bricklayers, electricians, plasterers and steamfitters have been getting \$13.60 a day for some time. Other trades will go on a \$14 a day basis June 1. The painters' pay boost was made effective today as a compromise arrangement to offset the fact that they have not been getting the highest prevailing wage.

Building News Section

APARTMENTS

Plans Being Revised.

APARTMENTS Cost, \$50,000
BURLINGAME, San Mateo Co., Cal.
Carmelita St.

Three-story and basement frame and stucco apartment building (12 4- and 5-room apts.)

Owner—A. J. Mullin.
Architect—Russell Coleman, 1404 Broadway, Burlingame.

Contract Awarded.

APARTMENTS Cost, \$25,000
SAN BRUNO, San Mateo Co., Cal.
Two-story reinforced concrete apt. and stores.

Owner—H. Rubin, 624 San Mateo Ave. San Bruno.

Architect—Edwards and Schary, 605 Market St., San Francisco.

Contractor—Prosper Bou, San Bruno.

Contract Awarded.

APARTMENTS Cost, \$25,000
SAN BRUNO, San Mateo Co., Calif.
Two-story reinforced concrete apts.
Owner—H. Rubin, 624 San Mateo Ave., San Bruno.

Architect—Edwards and Schary, 605 Market St., San Francisco.

Contractor—Prosper Bou, San Bruno.

Plans Complete.

APARTMENTS Cost, \$175,000
SAN FRANCISCO, N Clay St. bet. Franklin and Gough Sts.

Six-story steel frame and reinforced concrete apts. (24 5- and 6-room apts.)

Owner and Builder—A. J. Falvey, Stanyan and Page Sts.

Architect—H. C. Baumann, 251 Kearny St.

Sub-bids will be taken shortly by owner.

Sub-Bids Being Taken.

APARTMENTS Cost, \$55,000
OAKLAND, Alameda Co., Cal. 421 Van Dyke Ave.

Three-story frame and stucco apartment building (2- and 3-rooms).

Owner and Builder—A. C. Nelson, 1821 6th Ave., Oakland.

Architect—Chester Treichel, American Bank Bldg., Oakland.

Plans Being Completed.

APARTMENTS Cost, \$75,000
SAN FRANCISCO, Cervantes & Scott Streets.

Three-story and basement frame and stucco apartments with tile roof (18 3- and 4-room apts.)

Owner and Builder—Ben. Lieberman, Scott and Prado Sts.

Architect—Irvine & Ebbets, Call Bldg.

Sub-bids will be taken in about 10 days. Will contain all modern conveniences, including steam heat, hot water system, etc.

Plans Complete.

APARTMENTS Cost, \$100,000
SAN MATEO, San Mateo Co., Calif.
Baywood Park.

Two- and three-story frame and stucco apartments.

Owner and Builder—Wm. MacIntosh, Williams Bldg., San Francisco.

Architect—Irvine & Ebbets, Call Bldg. San Francisco.

Sub-bids will be taken shortly.

Contract Awarded.

APARTMENTS Cost, \$65,000
OAKLAND, Alameda Co., Cal. West Athol Ave. S Haddon Road.

Three-story frame and stucco apts.

(69 rooms).

Owner—W. Richardson, San Leandro.
Architect—L. F. Hyde, 372 Hanover Ave., Oakland.

Contractor—J. Daneri, 6515 Raymond St., Oakland.

Preparing Plans.

APARTMENTS Cost, \$50,000
LOS ANGELES, Cal. Third and Serano Sts.

Six-story and basement Class A reinforced concrete apartments (105 apts.; 113x150 feet).

Owner—Withheld.
Architect—C. Waldo Powers, Insurance Exchange Bldg., Los Angeles

Working Drawings Being Prepared.

APARTMENTS Cost, \$65,000
SAN FRANCISCO, California and Joyce Streets.

Sixteen-story Class A steel frame and reinforced concrete apartments (300 rooms).

Owner and Builder—Marian Realty Co., 110 Sutter St., San Francisco

Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Segregated Figures Being Taken By Architect.

APARTMENTS Cost, \$65,000
OAKLAND, Alameda Co., Cal. Piedmont Ave. near Ridgeway.

Three-story and basement frame and stucco apartments (24 2- and 3-room apts.)

Owner—Harry Schuster, 424 Curtis St., Berkeley.

Plans by Harry K. Jensen, 354 Hobart St., Oakland.

Segregated Figures Being Taken.

APARTMENTS Cost, \$85,000
OAKLAND, Alameda Co., Cal. Off Piedmont Ave. near Ridgeway.

Three-story frame and stucco apts. (30 2- and 3-room apts.)

Owner—A. Jensen.

Plans by Harry K. Jensen, 354 Hobart St., Oakland.

All bids are being received by the architect.

Plans Being Figured.

APARTMENTS Cost, \$150,000
OAKLAND, Alameda Co., Calif. 423 Wayne Ave.

Six-story reinforced concrete and steel apartments.

A Demonstration of the

SKILSAW PORTABLE ELECTRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

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ELECTRIC DRILLS
GRINDERS, BUFFERS

PETER H. NELSON

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Owner—L. W. Blake, 423 Wayne Ave., Oakland.

Architect—Ed. T. Foulkes, 357 12th St., Oakland.

Sub-Contracts Awarded.

APARTMENTS Cost, \$577,500
SAN FRANCISCO, S Green St. N Leavenworth St.

Twenty-story steel frame reinforced concrete class A apartment bldg.

Owner—Bellaire Building Co., Crocker 1st National Bank Bldg.

Architect—H. C. Baumann 251 Kearny Street.

Contractor—Consolidated Properties, Ltd., Crocker 1st National Bank Bldg.

Structural Steel—Judson - Pacific Co., 609 Mission St.

Concrete Work—Mission Concrete Co., 270 Turk St.

Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts.

Masonry—White & Gloor, Monadnock Bldg.

Mill Work—Sudden Lumber Co., Evans and Quint Sts.

Electric Work—Fred D. Wilson Co., 144 8th St.

Plumbing—George Frankel, 445 Stevenson St.

Heating—Andrew Harper, 140 8th St. Tile—Art Tile & Mantel Co., 221 Oak Street.

Electric Refrigeration—General Elec. Co., Russ Bldg.

Elevators—Otis Elevator Co., 1 Beach Street.

Plastering & Metal Lath—Chris Berg, 719 45th Ave.

Painting—D. Zellinsky & Sons, 165 Grove St.

Incinerator—Kerner Incinerator Co., 450 Clementina St.

Electric Ranges—Standard Elec. Co., 681 Market St.

Hardwood Floors—Royal Floor Co., 7th and Brannan Sts.

Finish Hardware—E. M. Hundley, 682 Mission St.

Plans Being Completed.

APARTMENTS Cost approx. \$250,000
SAN FRANCISCO, N Jackson St. 80 W Laguna St.

Ten-story steel and reinforced concrete apartments (30 3- 4- and 6-room apts.)

Owner and Builder—A. Penziner, 750 Taylor St.

Plans by Owner.

Bids will be taken in about 2 weeks.

Plans Being Figured.

APARTMENTS Cost, \$18,000
CASTROVILLE, Monterey Co., Cal.
Two-story and basement frame and stucco or brick apartment building (18 rooms; Spanish type).

Owner—Mrs. Franco.

Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Will contain large dining room, lobby, booths and banquet rooms. Bids are being received at the architect's offices in San Jose.

Preparing Working Drawings.

APARTMENTS Cost, \$50,000
SAN FRANCISCO, NW Anza and Arguello Blvd.

Three-story and basement frame and stucco apts. (15 3- and 4-room apts.; all modern conveniences).

Owner—Martin P. Stroheim, 100 Park Ave.

Architect—Irvine & Ebbets, Call Bldg.

Sub-bids will be taken in 2 weeks

BONDS

GARDEN GROVE, Orange Co., Cal.—Trustees of Garden Grove union high school district set March 25 to vote bonds of \$26,000 for gymnasium building.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City defeats proposal to issue bonds of \$50,000 to finance construction of a municipal swimming pool. Edward & Schary, 605 Market St., San Francisco, architect.

JAMESTOWN, Tuolumne Co., Calif.—Jamestown School District selects site in North Main St. on which it is proposed to erect a new grammar school to replace structure destroyed by fire. Two bond elections held to provide funds for such a structure were defeated, due, it is reported, to the failure of the voters to approve of the school site.

SANTA ANA, Orange Co., Cal.—Santa Ana Board of Education called special election for March 27, to vote bonds of \$196,860 for Junior High School buildings in Santa Ana. Work involves plant to cost \$337,000 and for additions and changes to existing plant to cost \$159,860. Allison & Allison, 1005 California Reserve Bldg., Los Angeles, architects.

BRAWLEY, Imperial Co., Cal.—Trustees of Brawley School District called election April 25 to vote bonds of \$0,000 for four-room addition to East side school building and for new six-room building at K St. school site.

YOUNTVILLE, Napa Co., Cal.—Election will be held March 28 in Yountville School District to vote bonds of \$20,000 to finance erection of a new school building. Trustees of district are: Nellie Bornman, Walter Tonascia and Gladys Whitton.

LAKEPORT, Lake Co., Cal.—Election will be held March 27 in Lucerne school District to vote bonds of \$30,000 to finance erection of a new elementary school to contain 3-classes; frame construction with stucco exterior. Trustees of district are: Mrs. Alice Andrews, E. R. Purpouse and M. B. Elliott (clerk).

PHOENIX, Ariz.—Osborn school district, Maricopa county, voted bond issue of \$55,000 for school.

PRESCOTT, Ariz.—Bonds of \$200,000 voted by Prescott School District for additional school buildings. Program calls for additions at high school, seven-room elementary school building and improvements to other schools. Chris. Totten, Prescott, architect. Plans prepared and bids will be called for at once.

ONTARIO, San Bernardino Co., Cal.—Election of Chaffey Union High School District defeated bond issues for erection of Junior College Improvement to high school. It will be necessary to erect Junior College plant at this time and direct tax will be levied to defray cost estimated at \$250,000. Allison and Allison, California Reserve Bldg., Los Angeles, architects.

SANTA ANA, Orange Co., Cal.—Board of Education postponed date of bond election from March 27 to April 3. Bonds of \$196,860 will be voted for Frances Willard Junior High School plant and for additional facilities at Julia Lathrop Junior High school. Allison & Allison, Los Angeles, architects.

CHURCHES

Plans Being Completed.
CHURCH Cost, \$10,000
WILLOW GLEN, Santa Clara County, Calif. W. Lincoln Ave. near Nevada St.

Two-story frame and stucco Spanish type church to seat 180.
Owner—First Christian Church.
Architect—Blinder & Curtis, 35 W San Carlos St., San Jose.
Bids will be taken in about 1 week.

Planned.
CHURCH Cost, \$20,000
VISALIA, Tulare Co., Cal.
Two-story church.
Owner—Presbyterian Church.
Architect—Not selected.

BAKERFIELD, Kern Co., Cal.—Church of the Nazarene plans early erection of a frame and stucco church at Seventeenth and I Sts. A building committee has been appointed to secure funds to finance construction. Temporary quarters are located in Chester Ave., bet. 6th and 7th Sts.

Plans Being Re-Figured By Low Bidders.
CHURCH Cost, \$26,000
\$17,000 (first unit)
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete church with tile roof.

Owner—Japanese Presbyterian Church
Architect—Rollin S. Tuttle, Box C, Los Gatos.

Will contain church auditorium, social hall and Sunday school. Plans are on file in architect's office, and Mr. H. K. Sakata, 239 1st St., Watsonville chairman of building committee.

Plans are being re-figured by four low bidders: T. T. Rosewall, Watsonville, \$18,852; The Minton Co., Mt. View; C. Burke, Oakland, and Palmer & Balsinger, Santa Cruz.

FACTORIES AND WAREHOUSES

Gravel Contract Awarded.
FACTORY Cost, \$75,000
SAN FRANCISCO, Utah St. north of Fifteenth Street.

Six-story and basement Class B concrete factory (100x100 ft.)
Owner—R. N. Nason & Co., 151 Potrero Ave., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.

Contractor—George Wagner, 181 South Park, San Francisco.
Gravel—S. F. Gravel Co., 552 Berry St., San Francisco.

As previously reported, structural steel awarded to Western Iron Works, 141 Beale St., S. F.; plumbing and mechanical work to Jas. H. Pinkerton Co., 927 Howard St., S. F.; electrical work to Enterprise Elec Works, 654 Mission St., S. F.; lumber to Loop Lumber Co., Central Basin.

Preparing Plans—Contract Awarded.
FACTORY Cost, \$250,000
LOS ANGELES, Cal.—Twelfth St. and Stanford Avenue.

Five-story and basement Class A reinforced concrete factory (120,000 square feet).

Owner—Siskin Investment Co.
Architect and Contractor—John M. Cooper, Rives-Strong Bldg., L. A.
Lessee—Brownstein-Louls Co.

PITTSBURG, Contra Costa Co., Cal.—U. S. Steel Corp., has purchased 208 acres of land adjoining the present holdings in Pittsburg for expansion. The nature of the improvements to be undertaken on the property has not been made public.

March 1, 1930
Sub-Contracts Awarded.
WAREHOUSE Cost, \$37,000
OAKLAND, Alameda Co., Cal. E 4th Ave. and SE 14th St.
Three-story brick factory and warehouse.

Owner—Boyetown Burial Casket Co., E 11th and 4th Ave., Oakland.
Contractor—Ralph McLernan Company, Hearst Bldg., San Francisco.
Lumber—Tilden Lumber Co., 1291 Delaware St., Berkeley.

Reinforcing Steel and Steel Sash—Trucson Steel Co., Call Bldg., San Francisco.

Doors—D. A. Pancoast Co., 605 Market St., San Francisco.

Glass—W. P. Fuller Co., 301 Mission St., San Francisco.

Structural Steel—Judson - Pacific Co., 609 Mission St., San Francisco.

Ornamental Iron—Michel & Pfeiffer Iron Works, Harrison and Tenth Sts., San Francisco.

CALWA, Fresno Co., Cal.—Producers Cotton Oil Co. has purchased the Bear State packing plant and 15 acres of industrial property at Calwa from the California Products Company and will install equipment for a cotton seed oil mill. It is proposed to expend approximately \$100,000 in new equipment, according to Albert M. Paul, president of the California Products Company, a director in the Producers Cotton Oil Co., which company is headed by Stanley R. Pratt.

Preparing Plans.
FACTORY Cost, \$150,000
LOS ANGELES, Cal. E Pice Street.
One-story brick furniture factory (450 by 140 feet).

Owner—Gillespie Furniture Co.
Architect and Contractor—The Austin Co. of California, 777 E. Washington St., Los Angeles.

MANTECA, San Joaquin Co., Cal.—C. C. Smith of Lathrop has purchased a 30-acre site in the Nile Garden District and plans to erect a modern dairy plant.

Segregated Bids Being Taken.
WAREHOUSE Cost with equip. \$40,000
STOCKTON, San Joaquin Co., Calif. N El Dorado St. and Lindsay.
Brick tile warehouse and super-service station (150x100-ft.)
Owner—Firestone Tire & Rubber Co.
Architect—Chas. McCall, 1404 Franklin St., Oakland.

Lumber—Stockton Lumber Co., 347 S Commerce St., Stockton.
Steel and Steel Sash—Builders' Iron Works, 1514 E Scotts St., Stockton.

Bids are being taken on other portions of the work by James E. Irvine, 245 N Hunter St., Stockton.

Will contain modern vulcanizing and tire repair shop, a space for batteries and ignition service, a brake lining and adjusting station, an up-to-date wash and greasing rack and a gasoline and oil station.

Plans Completed.
WAREHOUSE Cost, \$100,000
SAN MATEO, San Mateo Co., Calif. San Mateo Drive near State St.

Three-story reinforced concrete warehouse (20,000 sq. ft. of storage space; Spanish type).

Owner—J. B. Peckham Co., 232 Main St., San Mateo.

Architect—Withheld.
Bids will not be called for until 60 days.

WATSONVILLE, Santa Cruz Co., Cal.—T. J. Horgan, Watsonville shipper and packer, has purchased a 32-acre site near Watsonville Junction and plans immediate construction of a packing plant to be connected by spur with the Southern Pacific Railroad.

Segregated Bids Being Taken.

ADDITION Cost, \$55,000
SAN BERNARDINO, San Bernardino Co., Cal. Court St.
 Two-story and basement reinforced concrete addition to printing plant (25x135 feet).
 Owner—Sun Co., Premises.
 Architect and Engineer—Perrine & Renfro, 544 Court St., San Bernardino.

BERKELEY, Alameda Co., Cal.—Eugene M. Foss, representing the F. B. Sturtevant Co., manufacturers of tunnel ventilators and air coolers, is on the Pacific Coast to arrange for construction of a new plant his company proposes to erect on a site already purchased in Berkeley. Further mention will be made of this project when negotiations are further advanced.

Contract Awarded.
CREAMERY Cost, \$10,000
SANTA CLARA, Santa Clara Co., Cal. Franklin St.
 One-story class A creamery with tile roof.
 Owner—Santa Clara Creamery (M. V. Kane), Santa Clara.
 Architect—Wolfe and Higgins, Realty Bldg., San Jose.
 Contractor—Frank Neves, 891 Harrison St., Santa Clara.

Bids Opened.
MFG. PLANT Cost, \$25,000
OAKLAND, Alameda Co., Cal. Blind Home.
 One-story and balcony broom manufacturing plant (reinforced concrete walls, wood frame and tile roof).
 Owner—State of California.
 Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
 Low Bidder—A. Frederick Anderson, 1093 Longridge Road, Oakland.
 Following is a complete list of the bids received:

Ait. No. 1, add for Mastic flooring.
 A. Frederick Anderson, Oakland, \$22,762; (1) \$1,498.
 Geo. J. Maurer, Oakland, \$24,238; (1) \$753.
 Chas. D. Vezey & Son, Oakland, \$24,440; (1) \$1,170.
 George Swanstrom, Oakland, \$24,620; (1) \$2,310.
 Spivock & Spivock, San Francisco, \$24,700; (1) \$465.
 Jacobs & Pattiani, Oakland, \$24,749; (1) \$299.
 Gaubert Bros., Oakland, \$24,940; (1) \$1,164.
 Vogt & Davidson, San Francisco \$25,443; (1) \$950.
 T. D. Courtright, Oakland, \$25,532; (1) \$....
 Sorensen & Haggmark, San Francisco, \$25,700; (1) \$600.
 E. T. Lesure, Berkeley, \$25,728; (1) \$2,440.
 J. W. Cobby & Son, San Francisco, \$25,862; (1) \$633.
 E. T. Leiter & Son, Oakland, \$25,937; (1) \$1,500.
 G. Magnusson, Oakland, \$25,990; (1) \$300.
 J. B. Bishop, Oakland, \$26,079; (1) \$886.
 A. L. Vezina, Oakland, \$26,934; (1) \$1,955.
 J. H. Johnson, San Francisco, \$26,997; (1) \$994.
 David Nordstrom, Oakland, \$27,662; (1) \$405.
 J. S. Hannah, San Francisco, \$27,805; (1) \$566.
 Louis O. Hansen, \$29,800; (1) \$600.
 Frederickson and Watson, Oakland, \$32,500; (1) \$....
 Bids held under advisement.

OAKLAND, Alameda Co., Cal.—Until March 17, 4:30 P. M., bids will be received by City of Oakland Port Com-

mission, 525 Oakland Bank Building, for erection of structural steel work on proposed transit shed at 9th Ave. Pier. Will be 108-ft. wide, 504-ft. long and 18-ft. in height.

Contracts Awarded.
STOCK BLDG. Cost, \$250,000
SACRAMENTO, Sacramento Co., Cal. State Fair Grounds.

One-story steel frame, brick and concrete live stock building.

Owner—State of California.
 Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Structure will have steel frame with brick and concrete walls, concrete floor and tile and composition roof and will cover an area of 65,600 sq. ft.

General Work
 McElvray Const. Co., Folsom Bldg. and 65th St., Sacramento, \$118,205.

Plumbing
 Luppen & Hawley, 3126 J St., Sacramento, \$9,564.

Electrical Work
 Latourette - Fical Co., 907 Front St., Sacramento, \$2,400.

Plans Being Completed.
FACTORY Cost, \$—
SAN FRANCISCO, NVX Seventh and Brannan Sts. (110x160 ft.)
 Two-story, basement and mezzanine floor brick factory.
 Owner—N. A. Petersen, president California Supply Co.
 Architect—J. E. Kraft & Son, Phelan Bldg.
 General bids will be taken in one week.

SEATTLE, Wash.—K. W. Hinea, Seattle branch manager for the Ford Motor Car Co., announces a site on waterfront property between East Marigal Way and the Duwamish waterway, approximately $\frac{1}{2}$ mile south of West Spokane street, has been purchased by the Ford interests on which it will construct a \$2,000,000 assembly plant.

SANTA ROSA, Sonoma Co., Cal.—Walter Price of the Price & Silver-shield real estate firm, agents for the Gideon C. Jones Co., announces a site will be selected shortly on which it is proposed to erect a plant for the manufacture of wine vinegar.

Contract Awarded.
NEWSPAPER BLDG. Cost, \$—
ALHAMBRA, Los Angeles Co., Cal. Stoneman Avenue.

One and two-story and basement steel frame and reinforced concrete newspaper building (50x107 ft.).

Owner—Alhambra Post-Advocate, Alhambra.

Architect—John Walker Smart, 39 E. Market St., Alhambra.
 Contractor—Steed Bros., 305 N. Garfield Ave., Alhambra.

SAN FRANCISCO—Until March 12, 2 P. M., bids will be received by State Board of Harbor Commissioners, Ferry Building, for painting roof of shed on Pier No. 29. Frank White, Engineer, Ferry Bldg.

SAN FRANCISCO—Until March 12, 2 P. M., bids will be received by State Board of Harbor Commissioners, Ferry Bldg., for painting exterior walls of inner shed of Islais Grain Terminal. Frank White, Ferry Bldg., Engineer.

WOODLAND, Yolo Co., Cal.—Harry I. Bobb and D. P. Traynham have started construction of a fireproof grain elevator on the site of the Union Warehouse, one mile south of Woodland, on the Davis Highway. Will be 175-ft. long, 33-ft. wide and 44-ft. high, with a 10-ft. conveyor gallery on top of bins. There will be 25

storage bins, a reinforced concrete work house, 66-ft. high.

KLAMATH FALLS, Ore.—Cascad Box Co. of San Francisco, headed by F. W. Medrow and J. M. Johnson, of Klamath Falls, plans immediate erection of a new box shook plant near Klamath Falls. The project will involve an expenditure of \$50,000.

GARAGES AND SERVICE STATIONS

Plans Being Figured.
SALES BLDG. Cost, \$30,000
NORTH HOLLYWOOD, Los Angeles Co., Cal. Cumpston St. and Lakerhism Blvd.
 One-story Class A brick auto sale and service building (83x175 ft.)
 Owner—Alfred H. Price, 5512 Lanke-shim Blvd., North Hollywood.
 Architect—Albert E. Hanson, 663 Hollywood Blvd., Los Angeles.

OAKLAND, Cal.—California Northern Corp. authorized by city council to install five lubricating oil storage tanks at SE Broadway and 30th Streets.

OAKLAND, Cal.—Tire Service Co. 2536 Webster St., withdraws applications filed with city council seeking authorization to install two 7,000 and two 1,200 gals. capacity gasoline storage tanks at SE Broadway and 30th Streets.

SUISUN, Solano Co., Cal.—A. Duren, distributor for Buick or Marquette cars, announces construction will be started at once on a service shop addition to the present quarters; will be 80 by 40 ft. of timber and corrugated iron construction. Cost, \$8000.

UKIAH, Mendocino Co., Cal.—E. Neuhaus, Ukiah, is having plans prepared for State St. on property purchased from the American Legion; will be 1 steel and reinforced concrete construction with garage facilities and complete service departments.

VALLEJO, Solano Co., Cal.—Monarch Oil Co. will shortly start erection of a one-story steel service station at Florida and Sonoma St. Will be Spanish type, costing \$18,000.

OAKLAND, Cal.—Standard Creameries Co., Ltd., 2743 San Pablo Ave. seeks authorization of city council to erect a one-story brick garage, 77 by 100 ft. in the south side of 28th St. west of San Pablo Ave.

Contract Awarded.
GARAGE Cost, \$20,000
SACRAMENTO, Sacramento Co., Cal. 1221-27 H St.
 Fireproof public garage.
 Owner—A. Brennan, 3300 San Jose Sacramento.
 Architect—None.
 Contractor—Guth & Fox, 1520 27th St. Sacramento.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO—Until March 10 A. M., under Schedule No. 323-324, bids will be received by Quarter master Supply Officer, Fort Mason, furnish and deliver 8000 lbs. hydrate lime with alternate bids for 8000 lb pulverized lime; ready mixed paints; 24 Bentwood Vienna chairs; 85 brushes or grass hooks; 100 whitewash brushes; 350 galvanized ash cans; furnish labor and materials to repair and clean 35 50-gal. steel drums. Further information obtainable from above.

PEARL HARBOR, T. H.—As previously reported, John Hansen, Honolulu, submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specifications No. 6005, for refrigerating plant. Complete list of bids follows:

Item 1, work complete; 2, add for additional compressor unit; 3, deduct for omission of filling and concrete slab; 4, do, for omission of lead flashing; 5, do, for omission of screening; 6, do, for omission of agitating system; 7, deduct for omission of additional charge of ammonia and lubricating oil:

John Hansen, Honolulu, T. H., item 1, \$22,119; 2, \$1,888; 3, \$80; 4, \$185; 5, \$25; 6, \$400; 7, \$80.
Yosuki Ando, Honolulu, T. H., item 1, \$26,000; 2, \$2,100; 3, \$85; 4, \$200; 5, \$100; 6, \$400; 7, \$55.

Marks Const. Co., Ltd., Honolulu, T. H., item 1, \$34,750; 2, \$2,920; 3, \$125; 4, \$100; 5, \$50; 6, \$400; 7, \$55.

R. S. Chase, Honolulu, T. H., item 1, \$26,520; 2, \$2,100; 3, \$50; 4, \$175; 5, \$50; 6, \$400; 7, \$55.

Filter Mfg. Co., Milwaukee, Wis., informal.

SAN FRANCISCO.—Thomas Skelly and Wm. Bohler, 1344 9th Ave., at \$738 submitted lowest bid to Constructing Quartermaster, Fort Mason, to install pump and motor in pump house at Fort Barry. Following is a complete list of the bids: Thomas Skelly and Wm. Bohler, \$738; Thomas H. Smith, \$746; Byron Jackson Pump Co., \$749; Wooden & Little, \$757; T. R. Smith, \$790; Burnham Plumbing Co., \$958. Bids held under advisement. (6045) 1st report Feb. 25, 1930.

SAN FRANCISCO.—Clinton Const. Co., 923 Folsom St., at \$1,127.388 awarded contract by Supervising Architect, Treasury Department, Washington, D. C., to erect the main building, attendants' quarters and boiler house and laundry at the U. S. Marine Hospital, San Francisco Presidio.

SACRAMENTO, Cal.—Until March 3, 11 A. M., under Order No. 1749-610, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, miscellaneous packing, packing rings, team pipe covering, etc. Further information obtainable from above.

SACRAMENTO, Cal.—Until March 3, 11 A. M., under Order No. 1745-610, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, miscellaneous plumbing supplies and materials. Specifications obtainable from above on request.

SAN FRANCISCO.—Otis Elevator Co., 1 Beach St., at \$20,799 awarded contract by Supervising Architect, Treasury Department, Washington, D. C., for elevator plant in connection with U. S. Marine Hospital at the San Francisco Presidio.

WASHINGTON, D. C.—(By Special Wire)—Thomas Haverly Co., 316 E. 1st St., Los Angeles, at \$286,885 submitted low bid to Bureau of Yards and Docks, Navy Department, under Specification No. 5931, for distributing systems and paving at Naval Ammunition Depot, Hawthorne, Nevada. The work consists of oil, steam and return, electric light, telephone and alarm, power, street lighting and sewerage disposal systems, also a off water line, and concrete and bituminous macadam paving, all complete and ready for use. A complete list of bids received will be published shortly.

SAN FRANCISCO.—Until March 12, 11 A. M., under Schedule No. 928-30-

210, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 1500 packing boxes, in shock. Further information obtainable from above office.

SAN FRANCISCO.—Following is a complete list of bids received by Supervising Architect, Treasury Department, Washington, D. C., to erect the main building, attendants' quarters and boiler house and laundry at the U. S. Marine Hospital, San Francisco Presidio, three low bidders previously reported:

Clinton Const. Co., San Francisco, \$1,127.388.

Mahony Bros., San Francisco, \$1,139,500.

K. E. Parker Co., San Francisco, \$1,147,451.

Sumner-Sollitt Co., Los Angeles, \$1,163,500.

N. P. Severin Co., Chicago, \$1,173,500.

Macdonald & Kahn, Inc., San Francisco, \$1,177,000.

R. E. McKee, Los Angeles, \$1,185,000.

J. L. McLaughlin Co., San Francisco, \$1,187,200.

R. E. Campbell, Los Angeles, \$1,189,300.

Schuler & McDonald, Inc. Oakland, \$1,231,000.

P. F. Reilly, San Francisco, \$1,225,000.

W. E. Kier Const. Co., & Guy F. Atkinson Co., San Francisco, \$1,321,000.

H. E. Doring, Tacoma, Wash., \$1,331,458.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Purchasing Officer, 100 Harrison St., San Francisco:

Bids Open March 18

Sch. 2953, Mare Island and Puget Sound, oil and grease cups.

Sch. 2952, Mare Island and Puget Sound, water gage glass fittings.

Sch. 2948, Puget Sound, 6 engine lathes and equipment.

Sch. 2925, Mare Island, motor-driven fuel oil pump sets and spares.

Sch. 2924, Mare Island, one motor truck.

Sch. 2929, San Francisco, New York or f.o.b. works, 22,000 ft. white ash.

Sch. 2937, Mare Island, 36,600 feet phosphor bronze wire rope.

Sch. 2938, Mare Island, brass machine screws.

Sch. 2887, eastern yards, and Puget Sound, approximately 161,000 lbs. cotton waste.

Sch. 2883, Mare Island, cotton rags.

Sch. 2965, Mare Island, and Puget Sound, copper nails and tacks.

Sch. 2959, Puget Sound, forced-draft blowers and spares.

SAN FRANCISCO.—Following is a complete list of bids received by Supervising Architect, Treasury Department, Washington, D. C., for elevator plant in connection with U. S. Marine Hospital at the San Francisco Presidio, three low bidders previously reported:

Otis Elevator Co., Washington, \$20,799.

Kimball Bros. Co., Council Bluffs, Iowa, \$22,240.

Spencer Elevator Co., San Francisco, \$25,870.

Pacific Elevator & Equipment Co., San Francisco, \$26,092.

SACRAMENTO, Calif.—Until March 11, 11 A. M., under Order No. 1732-1610, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county, 1,000 CWT welding rods,

¾-in. by 14-in. long, in 50-lb. bundles and 5,000 CWT welding rods, ¾-in. by 14-in. long, in 50-lb. bundles. Further information obtainable from above.

SACRAMENTO, Calif.—Until March 11, 11 A. M., under Order No. 1732-1610, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county, 2,000 ft. wire rope, ¾-in. dia, 6 strands, 19 wires to the strand, galvanized, plow steel, Seales construction. Minimum breaking strength 24,600 lbs. (Rope to be in one piece on individual reel). Further information obtainable from above.

SACRAMENTO, Cal.—Until March 11, 11 A. M., under Order No. 1732-1610, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, Pine Lumber, No. 1, common, rough, as follows: 1,440 ft. 3x12-in. by 24-ft. (20 pcs.); 1,800 ft. 3x12-in. by 30-ft. (20 pcs.); and 1,200 ft. 2x12-in. by 30 ft. (30 pcs.) Further information obtainable from above.

PORTLAND, Ore.—Until March 24, bids will be received by Supervising Architect, Treasury Department, Washington, D. C., to furnish and install new lighting fixtures, etc., in U. S. Customhouse at Portland, Ore. Further information obtainable from above.

HALLS AND SOCIETY BUILDINGS

Title and Marble Contract Awarded.

CLUB Contract price, \$287,000.

SACRAMENTO, Sacramento Co., Cal.

Ninth and M Sts., facing Capitol Square.

Four-story reinforced concrete club building.

Owner—Sutter Club.

Architect—Dean & Dean, California

State Life Bldg., Sacramento, and

Stark & Flanders, Oschner Bldg.,

Sacramento, Associated.

Contractor—George D. Hudnutt, Inc.,

1915 S. St., Sacramento.

Tile and Marble—H. F. Fischer Tile

& Marble Co., 3219 J St., Sacramento

As previously reported, mill work

awarded to Friend & Terry, 2nd and

S. St., Sacramento; steel sash to

Michel & Pfeffer Iron Works, Harrison

and Tenth Sts., S. F.; heating and

ventilating to Latourette-Pical Co.,

907 Front St., Sacramento; plumbing

and electric work to Luppen & Haw-

ley, 3216 J St., Sacramento; concrete

piles to Raymond Concrete Co., Hunt-

er-Dubin Bldg., S. F.

Owner will take bids on elevators,

painting, glazing and kitchen equip-

ment shortly.

NILES, Alameda Co., Cal.—Odd Fel-

lows Hall Assn' will have plans pre-

pared for a two-story hollow tile lodge

and store building at First and J Sts.

Would contain store on the ground

floor and lodge rooms, banquet hall

and kitchen on the second floor.

Plans Being Figured—Bids Close

March 10.

AUDITORIUM Cost, 1st unit \$150,000

(Total cost, \$500,000)

RENO, Nevada. First and Chestnut

Streets.

Two-story and basement Class A con-

crete and steel Scottish Rite Au-

ditorium.

Owner—Scottish Rite Masonic Temple

Association.

Architect—Carl Werner and S. Hel-

man, associated, 605 Market St.,

San Francisco.

Bids will be received by Architect.

WILLOWS, Glenn Co., Cal.—Until March 11, 11 A. M., bids will be received by W. B. Sale, County Clerk, to furnish and install Venetian Blinds in quarters occupied by county library, survey, horticultural commissioner, welfare department and lavatory in Willows Memorial Building. Certified check 10% required with bid. Specifications on file in office of clerk.

Plans Being Completed.
BUILDING Cost, \$400,000
OAKLAND, Alameda Co., Cal. Fifteenth and Grove Sts.
Six-story and basement Class C steel frame and concrete building.
Owner—Salvation Army.
Architect—Douglas Stone, Great Western Power Bldg., Oakland.
Bids will be called for about March 15.

HAYWARD, Alameda Co., Calif.—April 14 is date set by the city council to vote bonds of \$16,500 to finance purchase of a site for proposed Veterans' Memorial Building. Henry H. Meyer, Kohl Bldg., San Francisco, architects.

Preparing Sketches.
CLUB HOUSE Cost, \$60,000
BEVERLYHIRE, Marin Co., Cal.
One-story frame and stucco club house
Owner—San Francisco Yacht Club.
Architect—Henry H. Guttersen, 526 Powell St., San Francisco.

Construction To Start Shortly.
CLUB HOUSE Cost, \$—
MONTEREY, Monterey Co., Cal. Cypress Point Golf Club.
Two-story frame and stucco California type club house.
Owner—Cypress Point Golf Club.
Architect—Geo. W. Smith, Santa Barbara.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.

Plans Being Prepared.
LODGE BLDG. Cost, \$75,000
SAN FRANCISCO, Valencia St. near Market.
Three-story and basement reinforced concrete and steel lodge building (50x165-ft.).
Owner—Independent Order of Foresters.
Architect—Harold Stoner, 1481 Burlingame Ave., Burlingame.
General bids will be taken about March 15th.

HOSPITALS

Plans Being Revised.
HOSPITAL Cost, \$5,000,000
LOS ANGELES, Los Angeles Co., Cal.
County general hospital.
Owner—County of Los Angeles.
Architect—Edwin Bergstrom; Myron Hunt; Pierpont Davis; Sumner P. Hunt and William Richards, Los Angeles.

Plans Being Completed.
HOSPITAL Cost, \$—
TUCSON, Arizona.
One-story concrete modern hospital.
Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.
Architect—A. I. Coffey and Martin J. Rist, Phelan Bldg., San Francisco.
Bids will be taken from local contractor shortly.

Preliminary Plans Being Prepared.
HOSPITAL Cost, \$300,000
STOCKTON, San Joaquin Co., Calif.
Class A brick or concrete county general hospital.
Owner—County of San Joaquin.
Architect—Fred. H. Meyer, 742 Market St., San Francisco.
Consulting Architects—Davis - Pearce Cor., Grant and Weber Sts., Stockton.

Sub-Contracts Awarded.
PREVENTORIUM Cont. Price, \$26,493
SAN MATEO, San Mateo Co., Cal.
One-story frame and stucco preventorium.

Owner—San Mateo Assn. for Prevention of Tuberculosis (Mrs. Harry Daner, President).
Architect—E. L. Norberg, 580 Market St., San Francisco.
Contractor—George Williams, 1404 Broadway, Burlingame.
Concrete—Gus Adolphson, 706 N. Claremont St., San Mateo.
Millwork—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Lumber—San Mateo Planing Mill, 501 Fifth St., San Mateo.
Rough Hardware—H. & H. Hardware Co., 1401 Broadway, Burlingame.
Tile—Malott & Peterson, 3221 20th St., San Francisco.
Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.

As previously reported, plumbing and heating awarded to Jos. Grimes, Burlingame, at \$6389.

FRESNO, Fresno Co., Cal.—Fresno County Grand Jury in a special report filed with the board of supervisors recommends construction of a new county courthouse and jail and additional buildings at the county hospital.

Plans Complete.
HOSPITAL Cost, \$100,000
CRESCENT CITY, Del Norte Co., Cal.
Ocean Shore Drive at Battery Pt.
Two-story 20-bed reinforced concrete class C hospital building, 70x150 feet.
Owner—G. O. Knapp, Crescent City.
Architect—Martin Sheldon, 950 Monadnock Bldg., San Francisco.
Consulting Architect—Carleton Winslow.
Contractor—Richard Hensen, Crescent City.
Sub-bids will be taken within one week.

The X-ray equipment contract has been awarded to the Bush Electric Corp., 909 Hyde St., San Francisco.

Plans Being Prepared.
CONVENT Cost, \$50,000
SAN FRANCISCO, Twenty-third Ave. and Geary Street.
Three-story reinforced concrete convent.
Owner—Roman Catholic Archbishop, 1100 Franklin St., San Francisco.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.

Plans will be ready for bids in two weeks.

ELLENSBURG, Wash.—See "Dradging, Harbor Works and Excavations," this issue. Bids wanted for six additional miles of High Line Canal, Kittitas Project, U. S. Bureau of Reclamation.

Preparing Working Drawings.
INFIRMARY Cost, \$—
LOS ANGELES, Cal. Claremont College.
One-story reinforced concrete infirmary.
Owner—Claremont College.
Architect—Marston & Maybury, 25 S. Euclid Ave., Pasadena.
Will contain eight double bed rooms, two, four-bed solariums, two nurses' rooms, caretaker's quarters, offices, examining rooms, laboratory, kitchen and dining room.

OAKLAND, Cal.—County supervisors contemplate a \$20,000 appropriation to finance the establishment and equipping of cancer institute quarters in connection with the county hospital.

LOS ANGELES, Cal.—Los Angeles County Supervisors rejected all bid (except hardware, which was previously awarded) received for furnishing labor and materials for eleven contracts on Acute Unit of Los Angeles General Hospital on grounds of excessive cost. New bids will probably be called after specifications have been revised. The contracts, with low bidder and amount on each, rejected by the Board Feb. 26, follow:
Cement finishing, Weymouth Crowell Co., \$378,030.

Doctors' paging (electric call system), Newbery Electric Corp., \$413,610.

Refrigeration, Jewitt Refrigerating Co., \$189,997.

Lathing and plastering, Weymouth Crowell Co., \$1,243,400.

Linoleum, Van Fleet-Freear Co. \$255,887.

Hollow metal, Dahlstrom Metall Door Co., \$1,430,696.

Ornamental metal, Julius Deitzman Ironcraft Works, \$80,998.

Fixed equipment, Jamestown Metals Equipment Co., \$694,482.

Kitchen equipment, Dohrmann Hotel Supply Co., \$474,466.

Alberene (said to be a patented facing material), B. V. Collins, \$1,478,289.

Marble and tile, B. V. Collins, \$897,275.

Plans Completed.
ADDITIONS Cost, \$—

SAN LUIS OBISPO, San Luis Obispo Co., Cal.

Additions to hospital and nurses home (offices, etc.; Class C brick construction).

Owner—Drs. Gallup & Mugler, San Luis Obispo.

Architect—Miller & Wernecke, Financial Center Bldg., Oakland.

Owner will probably build by da labor.

HOTELS

Plans Being Completed.
HOTEL Cost, \$100,000

BLUE LAKE, Lake Co., Calif. 250 acre tract.

Three-story frame and stucco hotel (224x126-ft.).

Owner—Blue Lakes Hotel and Resort Corp., Harry W. Kemp, president.

Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Bids will be taken in about 3 weeks.

Will contain 48 rooms, all of which will have private bath. Steam heating; glass enclosed porches. Basement will provide dressing rooms for bathers, a barber shop and five storerooms.

Plans To Be Prepared.
HOTEL Cost, \$50,000

CALIFORNIA HOT SPRINGS, Tulare Co., Cal.

Fifty-room hotel.

Owner—Omer E. Lilly.

Architect—Raphael Lake, Pacific St Bldg., Fresno.

Sub-Bids Being Taken.
HOTEL Cost, \$100,000

SAN RAFAEL, Marin Co., Cal. Laurel Place and Nye St.

Two-story 200-room brick hotel building (North African type).

Owner and Builder—C. R. Danziger, 301 Flatiron Bldg., San Francisco.

Architect—F. H. Slocombe, 85 Cambridge Way, Piedmont.

Contract Awarded.

ALTERATIONS Cont. price, \$25.13

SANTA ROSA, Sonoma Co., Cal. Occidental Hotel.

Alterations and additions to hotel (2 rooms).

Owner—Leonard Howarth, Healdsburg Highway, Santa Rosa.

Architect—Arthur S. Eublege, 1462
 Lombard St., San Francisco.
 Contractor—Walter Proctor, 12 W 10th
 St., Santa Rosa.

Following is a complete list of the
 bids:
 Walter Proctor, Santa Rosa.....\$25,135
 M. Johnson, Santa Rosa.....25,597
 B. Muller, Santa Rosa.....25,835
 A. W. Hildebrand, Santa Rosa.....27,261
 W. J. Meeker, Santa Rosa.....27,367
 R. W. Bruce, Santa Rosa.....27,995
 L. Halvorsen, Santa Rosa.....28,246

Sub-Contracts Awarded.
 HOTEL Cost, \$750,000
 SAN JOSE, Santa Clara Co., Cal. SW
 San Fernando and 4th Sts., (91x
 137-ft.)

Twelve-story class A reinforced con-
 crete hotel building (295 rooms and
 stores; garage to store 10 cars).
 Owner—San Jose Properties, Ltd., San
 Jose.

Architect—Coffman, Sahlberg & Staf-
 ford, Forum Bldg., Sacramento.
 Contractor—Chas. Mabrey, 3529 Em-
 erson St., Oakland.

Building will contain all modern
 conveniences.
 Ornamental Iron—Helwig Iron Works,
 San Jose, \$8,835.

Marble—Jos. Musto Sons—Keenan Co.,
 535 North Point, San Francisco,
 \$6,083.

Glass and Glazing—Wigren Laurence
 Glass Co., Los Angeles, \$3,900.

ICE AND COLD STORAGE PLANTS

Preparing Plans.
 ADDITION Cost, \$80,000
 SANTA ROSA, Sonoma Co., Cal.

Wooden addition to hot and cold stor-
 age plant (asbestos covering).

Owner—National Ice & Cold Storage
 Co., Postal Telegraph Bldg., San
 Francisco.

Engineer—W. C. Phillips, Postal Tel-
 egraph Bldg., San Francisco.

POWER PLANTS

PRESCOTT, Ariz.—The Arizona
 Power Co. has announced plans for
 constructing a power line from Pres-
 cott to Ashfork and Seligman. Es-
 timated cost, \$150,000. A new sub-
 station is to be built at Prescott to
 replace the one destroyed by fire last
 year.

SAN DIEGO, Cal.—The Pacific Tel-
 ephone & Telegraph Co. has started
 work on the reconstruction of 112
 miles of telephone line bet. San Diego
 and El Centro. Approx. 80 miles will
 be through mountainous back country
 of San Diego County, and the remain-
 ing 32 miles through exchange
 areas of San Diego, La Mesa, Jacum-
 a and El Centro. More than 2,000
 poles will be used and it is estimated
 that \$74,100 will be expended on the
 work.

COMPTON, Los Angeles Co., Cal.—
 M. Conner, general manager of the
 Consolidated Utilities Co., has an-
 nounced that work will start at once
 on the construction of a 14,500 ft. ca-
 se to connect Compton and Gardena
 exchanges. The line will require 2,
 000 ft. of copper wire and 83 new
 poles.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans Being Prepared.
 COST, \$40,000

IRVING PASS, Oregon.
 Two-story fireproof county jail, 50x80
 ft.; accommodations for 30 pris-
 oners.

Owner—County of Josephine.
 Architect—Tourtellotte and Hummel,
 Rothchild Bldg., Portland.

Preliminary Plans Being Prepared.
 MUSEUM Cost (1st unit), \$10,000
 SAN JOSE, Santa Clara Co., Calif.
 One-story reinforced concrete museum
 building.

Owner—California Pioneers of Santa
 Clara County (F. E. Caton, pread-
 dent).

Architect—Wolfe and Higgins, Realty
 Bldg., San Jose.

LONG BEACH, Los Angeles Co.,
 Cal.—R. E. Campbell, 130 Linden Ave.,
 Long Beach, and Central Bldg., Los
 Angeles, submitted low bid to the
 Long Beach city manager Feb. 25th
 on the general contract at \$742,000 for
 the erection of the new municipal au-
 ditorium. Low bidders on other con-
 tracts are as follows: Baty Elec. Co.,
 123 W 4th St., Long Beach, on electric
 wiring at \$76,000; O. E. Ross, 521 E
 1st St., Long Beach, on the plumbing
 at \$74,739; Jones Heating Co., 28 E
 Union St., Pasadena, on heating and
 ventilating at \$155,700; J. H. Mac-
 Dowell, New York City, is the archi-
 tect and W. H. Austin, Pacific South-
 west Bank Bldg., Long Beach, is the
 resident architect. Bids taken under
 advisement. The first floor of the
 building will be the exhibition floor,
 carpenter shops, toilets, locker rooms,
 offices, kitchens, broadcasting rooms,
 ticket lobby, kitchen space, etc.; ex-
 hibition mezzanine floor will contain
 convention rooms, committee rooms,
 offices, kitchen, broadcasting rooms,
 toilets and boiler rooms; auditorium
 floor will contain concert hall, stage,
 dressing rooms, music room, toilets,
 offices and will seat about 8500 people.
 Over-all dimensions, 400x185 ft., steel
 frame construction, reinforced con-
 crete walls and floors, two large ele-
 vators. Complete list of bids obtain-
 able from this office.

Contracts Awarded.
 ADDITIONS Cost, \$300,000
 SAN FRANCISCO. Civic Center.
 Two six-story class A wing additions
 to State Building, and one-story
 and basement connecting passage.
 Owner—State of California.
 Architect—Geo. B. McDougall, State
 Architect, Public Works Building,
 Sacramento.

Will be steel frame, granite masonry
 wall and part reinforced concrete con-
 struction. Floor area approx. 45,500
 square feet.

General Work
 Vogt & Davidson, 185 Stevenson
 St., San Francisco, \$206,643.

Electrical Work
 Porter Electric Co., 1500 Church St.,
 San Francisco, \$10,000.

Plumbing and Heating
 Scott Co., 243 Minna St., San Fran-
 cisco, \$16,184.

Commissioned To Prepare Plans.
 LIBRARY Cost, \$65,000
 BURLINGAME, San Mateo Co., Cal.
 One-story fireproof library building.
 Owner—City of Burlingame.
 Architect—L. Norberg, 580 Market
 St., San Francisco.

Bond election will be called shortly
 to vote bonds to finance construction.

BISBEE, Ariz.—Bonds of \$300,000
 have been voted for two and three-
 story concrete and steel county court
 house at Bisbee, county seat. Roy
 Place, Tucson, Ariz., architect. Cost,
 \$225,000.

FRESNO, Fresno Co., Cal.—Fresno
 County Grand Jury in a special re-
 port filed with the board of super-
 visors recommends construction of a new
 county courthouse and jail and addi-
 tional buildings at the county hospi-
 tal.

SAN JOSE, Santa Clara Co., Cal.
 —San Jose Waterproof Paint & Spray
 Co., 112 S-Second St., San Jose, has

submitted informal bid at \$1850 to
 City Manager Clarence E. Goodwin to
 paint exterior of city hall.

Tile Contract Awarded.
 LIBRARY Cost, \$275,000
 BERKELEY, Alameda Co., Cal. Shat-
 tuck Ave. and Kittredge St.
 Reinforced concrete and steel class A
 public library (50 ft. high).
 Owner—City of Berkeley, E. M. Hann,
 city clerk.

Architect—James M. Plachek, Mer-
 cantile Bank Bldg., Berkeley.
 Heating Engineers—Leland & Haley,
 58 Sutter St., San Francisco.
 Contractor—K. E. Parker, 135 South
 Park, San Francisco.

Tile—Ray Cook Marble Co., foot of
 Powell St., Oakland.

As previously reported structural
 steel awarded to Pacific Coast Engi-
 neering Co., foot of 14th St., Oakland;
 reinforcing steel to Concrete Engineering
 Co., 1280 Indiana St., San Fran-
 cisco.

Preliminary Sketches Submitted.
 EXPOSITION BLDG. Cost, \$250,000
 OAKLAND, Alameda Co., Cal. Area
 bounded by Fallon, Tenth and
 Eighth Sts., and Lake Merritt
 Channel.

Municipal Exposition Building.
 Owner—City of Oakland (Frank C.
 Merritt, City Clerk).

Architect—Douglas D. and Louis S.
 Stone, Power Bldg., Oakland.

Other architects will submit pre-
 liminary sketches for such a struc-
 ture. The city council proposes to
 provide funds in the 1930-31 budget.

RESIDENCES

Plans Being Completed.
 RESIDENCE Cost, \$20,000
 PEBBLE BEACH, Monterey Co., Cal.
 Two-story frame and stucco residence
 Owner—W. W. Holt.
 Architect—Willis Polk Co., 277 Pine
 St., San Francisco.

Bids will be taken in about two
 weeks.

Plans Being Figured.
 RESIDENCE Cost, \$20,000
 NORTH BERKELEY, Alameda Co.
 Two-story 12-room frame and stucco
 English style residence.
 Owner—Dr. Donald.
 Architect—E. L. Snyder, 2101 Shat-
 tuck Ave., Berkeley.

Contract Awarded.
 RESIDENCE Cost, \$—
 BERKELEY, Alameda Co., Cal. The
 Arlington.

Two-story 8-room frame and stucco
 residence.
 Owner—Wm. Hull, Adeline and Essex
 Sts., Berkeley.
 Architect—F. H. Slocumbe, 85 Cam-
 bridge Way, Piedmont.
 Contractor—T. D. Courtwright, 5098
 Manila Ave., Oakland.

Low Bidder.
 RESIDENCE Cost, \$8000
 BERKELEY, Alameda County, Calif.
 Spruce and Virginia Sts.
 Two-story and basement seven-room
 frame and stucco residence.
 Owner—Mrs. E. M. Howell, 1423 Ox-
 ford St., Berkeley.
 Architect—James Plachek, Mercantile
 Bank Bldg., Berkeley.
 Low Bidder—W. L. Glasgow, 535 Ar-
 lington St., Berkeley.

Planned.
 RESIDENCE Cost, \$—
 HANFORD, Kings Co., Cal. SE Douty
 and Keith Streets.
 Large residence.
 Owner—H. B. Price, Hanford.
 Architect—Not Selected.

Contract Awarded.
RESIDENCE Cost, \$9,000
OAKLAND, Alameda Co., Cal. South
Peach St., East 94th Ave.
One-story 9-room 3-family frame and
stucco residence.
Owner—Laura Osbourne, 2250 94th
Ave., Oakland.
Architect—None.
Contractor—John Fleming, 4261 Sut-
ter St., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. NW
23rd Ave. and 32nd St.
One-story 8-room frame and stucco
residence.
Owner and Builder—L. C. Fish, 1449
3rd Ave., Oakland.
Architect—None.

Contract Awarded.
RESIDENCE Cost, \$9,361
LOS ALTOS, Santa Clara Co., Calif.
Margarita Tract.
Two-story 7-room frame and stucco
residence.
Owner—Salemma M. Patterson, San
Francisco.
Architect—Frank S. Holland, 137 9th
Ave., San Francisco.
Contractor—George B. Moore, 531
Stanford St., Palo Alto.

Contract Awarded.
RESIDENCE Cost, \$250,000
SAN DIEGO, San Diego Co., Cal. Near
Ensenada (160-acre Tract).
Reinforced concrete residence (tiled
swimming pool, gymnasium, guest
house, etc.)
Owner—Abelardo Rodriguez.
Architect—F. W. Stevenson, San
Diego.
Contractor—F. F. Rodriguez, 2311
Crescent Dr., San Diego

Contemplated.
RESIDENCE Cost, \$22,000
OAKLAND, Alameda Co., Cal. Clare-
mont Pines.
Two-story frame and stucco residence.
Owner—F. Caird, 1340 Broadway, Ala-
meda.
Architect—W. E. Schirmer, 700 21st
St., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$14,000
BERKELEY, Alameda County, Calif.
Claremont Pines.
Two-story frame and stucco residence
and garage.
Owner and Builder—Matthew Hunter,
2103 Woolsey St., Berkeley.
Architect—W. E. Schirmer, 700 21st
St., Oakland.

Plans Being Prepared.
BUNGALOWS Cost each \$10,500
SAN FRANCISCO, San Aliso Ave. N
Ocean Ave.
Four 1-story and basement frame and
stucco bungalows.
Owner and Builder—A. J. Herzig, 635
Victoria St.
Plans by D. E. Jaekle, Call Bldg.
Plans will be ready for sub-bids by
the end of the week.

Contract Awarded.
RESIDENCE Cont. price, \$10,200
PALO ALTO, Santa Clara Co., Cal.
Campus of Stanford University.
Two-story and basement 7-room frame
and stucco residence.
Owner—Prof. Duncan, Stanford Uni-
versity, Palo Alto.
Architect—Birge M. Clark, 310 Univer-
sity Ave., Palo Alto.
Contractor—Osborne & Knight, Mt.
View.

To Be Done By Day's Work.
RESIDENCE Cost, \$20,000
MENLO PARK, San Mateo Co., Cal.
Two-story brick veneer residence.
Owner—B. Mohun.
Architect—N. W. Sexton, DeYoung
Bldg., San Francisco.

Plans Being Revised.
RESIDENCE Cost, \$12,000
SARATOGA, Santa Clara Co., Cal.
One-story and basement six-room and
garage hollow tile residence.
Owner—Harry Bogart, 609 Sutter St.,
San Francisco.
Architect—Binder & Curtis, 35 W San
Carlos St., San Jose.
New bids will probably be called for
shortly.

Contract Awarded.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. Menlo
Place.
Two-story 9-room frame and stucco
Spanish style residence.
Owner—F. R. Kalde.
Architect—Sidney B., Noble & Archie
T. Newsom, Federal Realty Bldg.,
Oakland.
Contractor—Alex Cedarborg, 1455 Ex-
celisior Ave., Berkeley.

Preparing Preliminary Plans.
RESIDENCE Cost, \$25,000
SAN FRANCISCO, Pacific Ave. near
Scott Street.
Three-story 9-room frame and stucco
residence.
Owner—Richard Bransten, 2627 Brod-
erick St., San Francisco.
Architect—H. H. Gutterson, 526 Powell
St., San Francisco.

Preparing Preliminary Plans.
ALTERATIONS Cost, \$—
SAN FRANCISCO, Green St.
Alterations to present residence.
Owner—Name Withheld.
Architect—Sidney, Noble and Archie
Newsom, Federal Realty Building,
Oakland.

Preparing Preliminary Plans.
ALTERATIONS Cost, \$—
BERKELEY, Alameda Co., Calif.
Alterations to present residence.
Owner—Name Withheld.
Architect—Sidney, Noble and Archie
Newsom, Federal Realty Building,
Oakland.

Preparing Preliminary Plans.
ALTERATIONS Cost, \$—
BERKELEY, Alameda Co., Calif.
Alterations to present residence.
Owner—Name Withheld.
Architect—Sidney, Noble and Archie
Newsom, Federal Realty Building,
Oakland.

HOLLISTER, San Benito Co., Cal.
—C. B. Younger, Hollister, at approx.
\$10,000 awarded contract by Thomas
Payne to erect a Spanish type resi-

dence and two-car garage in Sout
San Benito St.; will contain ab
rooms.

Plans Complete.
RESIDENCE Cost, \$—
PIEDMONT, Alameda Co., Cal. King
and La Salle Ave.
Two-story 10-room English type bri
vener residence.
Owner—A. S. Weaver, 2274 Washing-
ton St., San Leandro.
Architect—Miller and Warnecke, F
nancial Center Bldg., Oakland.
Will have oil burner, hot water heat
slate roof.

Plans Complete.
RESIDENCE Cost, \$14,00
BERKELEY, Alameda Co., Cal. Clare
mont Pines.
Two-story frame and stucco residence
Owner—Mathew Hunter, 2103 Wool-
sey, Berkeley.
Architect—W. E. Schirmer, 700 21s
St., Oakland.
Owner will take bids shortly.

Plans Being Figured.
RESIDENCE Cost, \$25,00
SAN MATEO, San Mateo Co., Cal
Baywood Park.
Two-story frame and stucco residence
Owner—Mrs. N. W. Schneider.
Architect—Enri B. Cavasso, 235 Thir-
d St., San Mateo.

Contract Awarded.
RESIDENCE Cost, \$25,00
ATHERTON, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner—John J. Baumgarten.
Architect—Birge M. Clark, 310 Uni-
versity Ave., Palo Alto.
Contractor—Wells F. Goodenough, 31
University Ave., Palo Alto.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$30,00
BOLINAS, Marin Co., Cal.
Two-story frame and stucco residence
Owner—Withheld.
Architect—Harris Osborne, Hear-
Bldg., San Francisco.

Contract Awarded.
ALTERATIONS Cost, \$800
SAN FRANCISCO, 133 30th Ave.
Alterations and additions to preser-
two-story frame and stucco res-
dence.
Owner—Wilson Meyer, premises.
Architects—G. F. Ashley and Alber-
Evers, 525 Market St.
Contractor—J. S. Sampson, Monac
nock Bldg.

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Owner Taking Sub-Bids.

RESIDENCES Cost each, \$10,000
SAN FRANCISCO. San Aliso N Up-
land Drive.

Four one-story and basement 6-room
and social hall frame and stucco
residence.

Owner and Builder—A. J. Herzog, 635
Victoria St.
Plans by D. E. Jaekle, Call Bldg.

Plans Being Prepared.

RESIDENCE Cost, \$20,000
SAN FRANCISCO. Forest Hill.
Two-story and basement ten-room
frame and stucco residence.

Owner—W. E. Shoppe.
Architect—Harold Stoner, 1431 Bur-
lingame Ave., Burlingame.

Plans Being Prepared.

RESIDENCE Cost, \$20,000
SAN FRANCISCO. Forest Hill.
Two-story and basement ten-room
frame and stucco residence.

Owner—Name Withheld.
Architect—Harold Stoner, 1431 Bur-
lingame Ave., Burlingame.

Contract Awarded.

RESIDENCE Cost, \$15,000
BURLINGAME, San Mateo Co., Cal.
One-story frame and stucco Spanish
type residence.

Owner—Mr. Reed.
Plans by D. E. Jaekle, Call Bldg., San
Francisco.

Contractor—Chas. Hammer, 1524 Flor-
ibunda, Burlingame.

Plans Being Figured—Bids Close

March 11.
RESIDENCE Cost, \$25,000
PIEDMONT, Alameda Co., Cal. St.
James Wood.

Owner—Withheld.
Architect—Sidney B., Noble & Archie
T. Newsom, Federal Realty Bldg.,
Oakland.

Sub-Bids Being Taken.

RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co.,
Cal Woodstock Avenue
Two-story and basement nine-room
frame and stucco residence

Owner and Builder—George W. Wil-
liams & Co., 1404 Broadway, Bur-
lingame.

Architect—Grimes & Schoening, Balo-
vich Bldg., San Mateo.

Contract Awarded.

RESIDENCE Cost, \$250,000
SEATTLE, Wash. North of city lim-
its, Woodway Park.
Reinforced concrete residence (con-
crete and slate roof).

Owner—Philip G. Johnson.
Architect—David J. Myers, Central
Bldg., Seattle.
Contractor—Western Const. Co., Sea-
board Bldg., Seattle.

Bonds Voted—Plans Being Prepared.

SCHOOL Cost, \$45,000
GRIMES, Colusa Co., Cal.
Four-classroom auditorium & kitchen
grammar school.

Owner—Grand Island Union Grammar
School District.
Architect—W. H. Weeks, 111 Sutter
St., San Francisco.

Sub-Bids Being Taken.

RESIDENCE Cost, \$11,000
PALO ALTO, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner and Builder—R. N. McIntosh,
% Architect.

Architect—Grimes & Schoening, Balo-
vich Bldg., San Mateo.

Owner Taking Bids.

RESIDENCE Cost, \$9000
SAN MATEO, San Mateo Co., Cal.
Peninsula Manor.

Two-story frame and stucco residence.
Owner—M. D. Smith, Decoto, Cal.

Plans by Grimes & Schoening, Balo-
vich Bldg., San Mateo.

Bids are being taken for a general
contract by owner.

Plans Completed.

RESIDENCES Cost, \$4000 to \$15,000
respectively

MONTEREY, Monterey Co., Cal.
Fifty one- and two-story frame and
stucco residences.

Owner—Monterey County Holding Co.,
Monterey.

Plans By Owner.

Sub-Contracts Awarded.

BUNGALOW COURT Cost, \$15,000
BURLINGAME, San Mateo Co., Calif.
Bayside Highway

Frame and stucco bungalow court.
Owner and Builder—Oswald & Rucker,
Mills Bldg., San Francisco.

Architect—Ed. M. Sharpe, 525 Market
St., San Francisco.

Lumber—Sunset Lumber Co., 400 High
St., Oakland.

Mill Work—Wisnom Lumber Co., 5th
St., San Mateo.

Plumbing—J. S. Madden, 210 Myrtle
St., Burlingame.

Concrete—San Mateo Concrete Co.,
San Mateo.

Road Work—H. E. Casey Co., Bays-
water and Myrtle, Burlingame.

Plans Being Prepared.

RESIDENCE Cost, \$3,000
GUSTINE, Merced Co., Cal.
Two-story frame and stucco residence
(8 rooms, 2 baths).

Owner—Monterey-Presno Diocese of
the Roman Catholic Church.

Architect—Swartz and Ryland, Brix
Bldg., Fresno.

Will have stucco exterior with tile
and composition roof; hot air heating
system; gas furnace.

SCHOOLS

Contract Awarded.

SCHOOL Cost, \$70,000
SAN FRANCISCO. 18th Avenue near
Vicente St.

Two-story and basement 8-classroom
reinforced concrete school.

Owner—Roman Catholic Archbishop,
1100 Franklin St.

Architect—H. A. Minton, Bank of Italy
Bldg., Eddy and Powell Sts.

Contractor—S. Rasori, 270 Tehama St.

Preparing Preliminary Plans.

SCHOOL Cost, \$16,000
CAMINO, El Dorado Co., Calif.

One-story English type stone and
brick school (2 classrooms and au-
ditorium).

Owner—Camino School Department.

Architect—Coffman, Sahlberg & Staf-
ford, Forum Bldg., Sacramento.

and 3529 Emerson St., Oakland.

Bond election will be held in the
near future.

Preparing Preliminary Plans.

SCHOOL Cost, \$20,000
YOUNTVILLE, Napa Co., Calif.

One-story three-classroom hollow tile
Spanish type school.

Owner—Yountville School District.

Architect—Coffman, Sahlberg & Staf-
ford, Forum Bldg., Sacramento.

and 3529 Emerson St., Oakland.

Bond election will be held in the
near future.

Heating and Ventilating Contract
Awarded.

ADDITION Cont. price, \$68,729
SAN JOSE, Santa Clara Co., Calif.

Trace School.

Two-story concrete addition to pres-
ent school.

Owner—San Jose Board of Education.

Architect—W. H. Weeks, Hunter-Du-
lin Bldg., San Francisco; 1736 Frank-
lin St., Oakland, and Bank of Italy
Bldg., San Jose.

Contractor—W. J. Ochs, 405 Clark St.
Fresno.

Heating and Ventilating—Nottingham
Heating & Ventilating Co., 1528
Market St., Oakland.

As previously reported lumber con-
tract awarded to Sunset Lumber Co.,
San Jose; cement to Santa Cruz Port-
land Cement Co.; reinforcing steel to

San Jose Iron Works, San Jose; orna-
mental and ornamental iron to R.
Hellwig's Iron Works, San Jose; lath

and plastering to Joe Provinzano, San
Jose; plumbing to A. J. Peters & Son,
San Jose; sheet metal to A. J. Peters

& Son, San Jose; mill work to Pacific
Mfg. Co., Santa Clara; electric work

to Guilbert Bros., San Jose; roofing to
W. J. Porter, San Jose; terrazzo work

to California Terrazzo and Marble Co.,
2085 San Bruno Ave., San Francisco.

Segregated Bids Being Taken.

AUDITORIUM Cost, \$10,000
CORRALITOS, Santa Cruz Co., Cal.

One-story frame and stucco auditori-
um (seat 300).

Owner—Corralitos School District.

Architect—A. W. Story, Pajaro Val-
ley Bank Bldg., Watsonville.

Specifications Being Written.

GYMNASIUM Cost, \$60,000
SAN FRANCISCO. University Mound.

One-story steel frame, wood & plaster
gymnasium.

Owner—Playground Commission, City
and County of San Francisco.

Architect—Gardner Dailey, 425 Mason
St., San Francisco.

Bids will be called for in about 3
weeks.

LIVERMORE, Alameda Co., Calif.—
Lyon Metal Products Co., Hunter-Du-
lin Bldg., San Francisco, at \$1,175.60

submitted lowest bid to Livermore
Union High School District to furnish

and install 390 steel lockers in new
Livermore High School. Bids held un-
der advisement.

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Date Of Opening Bids Postponed Until March 15, 1:30 P. M.
SCHOOL Cost, \$35,000
KELSEYVILLE, Lake Co., Calif.
 One-story reinforced concrete high school (125 pupils) with combination gymnasium and auditorium.
 Owner—Kelseyville Union High School District.
 Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.
 Bids are being received at Kelseyville.

Plans Being Figured.
DORMITORY Cost, \$150,000
SEATTLE, Wash.
 Fireproof dormitory, refectory and academic buildings for school.
 Owner—Lakeside School for Boys, (R. H. Parsons, president), 405 N 35th St., Seattle.
 Architect—Bebb & Gould, Hoge Bldg., Seattle.

OAKLAND, Calif.—Ed. Bowman, 9017 B St., Oakland, at \$2,900 awarded contract by Board of Education for wrecking of Fremont High School and clearing of site.

SANTA MARIA, Santa Barbara Co., Cal.—Until March 12, 3 P. M., bids will be received by F. J. McCoy, clerk Santa Maria Union High School Dist., to furnish and install stage switchboard equipment. Plans obtainable from clerk.
 Bids In—Under Advisement.
SCHOOL Cost, \$—
SAN FRANCISCO, 13th Avenue near Vicente St.
 Two-story and basement 8-classroom reinforced concrete school.
 Owner—Roman Catholic Archbishop, 1100 Franklin St.
 Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts.

Contract Awarded.
SCHOOL Cost, \$—
BIGGS, Butte Co., Cal.
 One-story grammar school (six classrooms and auditorium).
 Owner—Biggs Grammar School Dist.
 Architect—Jens C. Petersen, 326 26th St., Sacramento.
 Contractor—Azeveda & Sarmiento, 920 O St., Sacramento, \$38,500.
Plumbing, Heating and Electric Work
 —Shalz & Slakey, Chico, \$5,037.

Plans Completed.
SCHOOL BLDGS. Cost, \$323,000
LONG BEACH, Los Angeles Co., Cal.
 Market and Louis Ave.
 Group of brick high school buildings.
 Owner—Long Beach Board of Education.
 Architect—Parker O. Wright, Jergins Trust Bldg., Long Beach.

Bonds To Finance Sold—Plans Being Completed.
SCHOOL Cost, \$—
BURLINGAME, San Mateo Co., Cal.
 Canyon Road and Summit Drive.
 Two-story 8-classroom reinforced concrete school.
 Owner—Burlingame School District.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.

The \$130,000 bond issue was recently sold for a premium of \$5500, and will provide for the erection of this 8-room school, in addition to the purchase of a site for another school in East Burlingame to accommodate students in the Winchester Tract.

Plans will be ready for bids in four weeks.

SAN FRANCISCO—Dohrmann Hotel Supply Co., 972 Mission St., at \$6,712 submitted low bid to Board of Public Works to furnish and install kitchen equipment in Roosevelt Junior High School. Other bidders were: Mangrum-Holbrook Co., \$6,984; Baker-Hamilton & Pacific Co., \$7,879.

Additional Sub-Contracts Awarded.
LIBRARY Cost, \$—
SAN RAFAEL, Marin Co., Calif.
 Three-story reinforced concrete academic and library building (12 classrooms and library).
 Owner—Dominican College of San Rafael.

Architect—Arnold Constable, 580 Market St., San Francisco.
 Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
 Will be of Italian Renaissance style.
Reinforcing Steel—Concrete Engineering Co., 1280 Indiana St., San Francisco.

Steel Pan Forms—Steelform Contracting Co., Monadnock Bldg., San Francisco.

As previously reported, lumber awarded to Henry Hess Lumber Co., San Rafael.

Other awards will be made shortly.

Contracts Awarded.
ADDITIONS Cost, \$—
SHAFTER & McFARLAND, Kern Co., Calif.

Brick additions to Shafter and McFarland schools.

Owner—Kern Co. Union High School District, Bakersfield.

Architect—Symmes & Cullimore, Habersfelde Bldg., Bakersfield.

General Contractor—Currie & Duglar, Bakersfield, \$50,448.

Electrical Contractor—Fingerhut Elec. Co., Bakersfield, \$1,600.

Heating Contractor—J. E. Pettijohn, Delano, \$4,475.

Following is a complete list of bids received:

General Contract
 Currie & Duglar, Bakersfield.....\$50,448
 P. W. Paynter, Bakersfield.....51,482
 Paul Opperman, Bakersfield.....51,600
 Brown & Hongham, Fresno.....51,856
 Henry Eissler, Bakersfield.....53,000
 H. E. Vickroy, Stockton.....53,931
 W. L. Harris, Fresno.....54,000
 A. Zimmerman, Bakersfield.....55,000
 F. H. Dequine, Wasco.....58,598
 L. H. Moon, Bakersfield.....60,700

Electric Work
 Fingerhut Elec. Co., Bakersfield.....\$1,600

Heating
 J. E. Pettijohn, Delano.....\$4,475
 W. E. Fisher, Bakersfield.....5,100
 Gundlach Plumbing Co., Bakersfield.....5,693

LIVERMORE, Alameda Co., Calif.
 —Lyon Metal Products Co., Hunter-Dulin Bldg., San Francisco, at \$1,179-60 submitted low bid to Livermore Union High School District to furnish and install 390 steel lockers in new Livermore High School.

Following is complete list of bids:
 Lyon Steel Products Co.....\$1,179
 H. S. Crocker Co., S. F.....1,216
 Worley Co., San Francisco.....1,270
 C. J. Waterhouse, S. F.....1,425
 Fred. Medart Co., S. F.....1,431
 Bids held under advisement.

Plans Being Figured—Bids Close Mar. 19, 8 P. M.

SCHOOL Cost, \$35,000
WILLOW GLEN, Santa Clara Co., Cal.
 One-story reinforced concrete school (6 classrooms, administration room and kindergarten).

Owner—Willow Glen School District.
 Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Contract Awarded.
ADDITION Cont. price, \$118,378

OAKLAND, Alameda Co., Cal. Montecello and Fleming Sts. (Maxwell School).

Two-story brick addition to present elementary school.

Owner—Oakland Board of Education.
 Architect—J. J. Donovan, 1916 Broadway, Oakland.

General Work
 Alfred Olsen, 631 Viona St., Oakland, \$118,378.

Blackboards

F. E. Turner Co., Box 501, Stockton, \$997.
 Finish hardware bids held under advisement.

Commissioned To Prepare Plans.
SCHOOLS Cost, \$150,000
BURBANK, Los Angeles Co., Cal.
 Three reinforced concrete medical schools.

Owner—L. A. College of Chiropractic, Dr. Charles H. Wood, President.
 Architect—Wm. Lee Woollett, 804 Architects Bldg., Los Angeles.

Work comprises three-story administration building, two-story hospital building and a two-story college building.

ROSS, Marin Co., Cal.—Until March 19, 8 P. M., bids will be received by Clarence S. Burtchael, clerk, Ross School District, for painting the rooms and outside trim and painting or stuccoing the exterior of the Ross Grammar School. Further information obtainable from clerk, Box 11, Ross, Calif. Certified check 10% required with bid.

SAN FRANCISCO—American Studios, 1060 Folsom St., at \$1,525 submitted low bid to Board of Public Works for re-rigging stage curtains at the addition to the High School of Commerce in Fell St. between Van Ness Ave. and Franklin St. Other bids: National Theatre Supply Co., \$1,590; F. E. Turner, Stockton, \$1,990.

TAFT, Kern Co., Cal.—Until March 25, 7 P. M., bids will be received by H. E. Osburn, clerk, Taft Union High School District, to furnish shop equipment for high school. Certified check 5% payable to clerk of district required with bid. Specifications on file in office of clerk and obtainable from W. H. Weeks, architect, 111 Sutter St., San Francisco.

TUCSON, Ariz.—Southern Arizona School for Boys incorporated with capital of \$100,000 plans school plant near Tucson. Incorporators are George A. Harper and Russell B. Fairgrieve.

Preliminary Plans Being Prepared.
ADDITION Cost, \$25,000
FIGARDEN, Fresno Co., Cal. Palm and Shaw Avenues.

Two-classroom addition to school, enlarge auditorium and construct boiler room.

Owner—Bullard School District.
 Architect—Swartz & Ryland, Brix Bldg., Fresno.

An election will be called shortly to vote bonds of \$25,000 to finance the contemplated improvements.

SAN FRANCISCO—F. E. Turner, Box 501, Stockton, at \$7,007 submitted low bid to Board of Public Works to furnish and install chairs in Roosevelt Junior High School at Arguello Blvd. and Geary St. and in Polytechnic High School at Frederick and Willard Sts. Other bids were: Ink Ribbon Mfg. Co., \$7,516; Heywood-Wakefield Co., \$8,612.

BANKS, STORES & OFFICES

Contract Awarded.
STORE Cost, \$—
REDWOOD CITY, San Mateo Co., Cal. Broadway and Minnie St. (62½ x 100 feet)

One-story concrete (2) store building.

Owner—Adam Andrew, 50 Brewster St., Redwood City.

Architect—John McCool, 331 Bush St., San Francisco.

Contractor—L. H. Pollard, Redwood City.

Completing Plans—Contract Awarded.
FURNISHINGS Cost, \$—
SAN FRANCISCO. Pine and Sansome Streets.
 Fitting up club rooms in building.
 Owner—Stock Exchange Lunch Club.
 Architect—Miller & Plueger, 580 Market St.
 Contractor—Lindgren and Swinerton, Inc., 225 Bush St.

Plans Being Prepared.
STORES Cost, \$—
MONTREY. Monterey Co., Cal. Main St. (106x60-ft.)
 One-story reinforced concrete (six) stores.
 Owner—Spazier Development Company, Spazier Bldg., Monterey.
 Architect—Swartz & Ryland, Rowell Bldg., Fresno.
 Contractor—M. Spazier, Spazier Bldg., Monterey.

Plans Being Completed.
REMODELING Cost, \$—
SAN FRANCISCO. 31 Powell St.
 Remodel building for cafe.
 Owner—Pig'n Whistle Corp.
 Architect—Chas. F. Plummer, Story Bldg., Los Angeles.
 Bids will be taken from San Francisco contractors about March 15th. It will occupy the ground floor and basement of the building, and the work will involve remodeling the front and interior and installation of marble, tile and terrazzo work, decorating, electric wiring and fixtures, ventilating system and kitchen equipment.

Sub-Contracts Awarded.
STORE Cost, \$35,000
SAN CARLOS, San Mateo Co., Calif.
 Three-story and mezzanine floor reinforced concrete and steel store (60 display rooms; 52,000 sq. ft.)
 Owner—Harvey Nelson, 208 Greenfield Ave., San Anselmo.
 Plans by Owner.
 Contractor—Daley Brothers, Inc., Burlingame.
 Concrete—John W. Morey, Menlo Pk.
 Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Streets, San Francisco.

Steel Sash—Michel & Pfeffer Iron Works, Harrison & 10th Sts., San Francisco.
 Lumber—San Mateo Planing Mill Co., San Mateo.
 Sub-bids are wanted on steel rolling doors, fire escapes and glass.

Sub-Bids Being Taken.
STORE Cost, \$7,500
SAN MATEO, San Mateo Co., Calif.
 Third Ave.
 One-story reinforced concrete store building.
 Owner—Mr. Burbank.
 Plans by Engineering Dept., The Public Food Stores, 6th and Townsend Sts., San Francisco.
 Lessee—The Public Food Stores, 6th and Townsend Sts., San Francisco
 Contractor—Young & Horstmeier, 461 Market St., San Francisco.

Plans Being Completed.
CAFE Cost, \$50,000
BERESFORD, San Mateo Co., Calif.
 Bell Tract.
 One-story frame cafe and grill.
 Owner and Builder—Bell Bros., Beresford.
 Architect—E. H. Denke, 1217 Hyde St., San Francisco.
 Lessee—John Talt, San Francisco.
 Owner will take sub-bids in one week.

Contract Awarded.
STORES Cost, \$12,000
KIAH, Mendocino Co., Cal. North State St.
 One-story brick (4) stores (62x53-ft.)
 Owner—M. Cambot, Ukiah.
 Architect—Not Given.
 Contractor—H. L. Bergstrom, Ukiah.

Plastering Contract Awarded.
OFFICES Cost, \$160,000
SAN FRANCISCO. E Montgomery St. N Sutter St.
 Six-story and basement and mezzanine floor class B concrete office building.
 Owner—Lurie Co., 315 Montgomery St.
 Architect—O'Brien Bros. and W. D. Leugh, 315 Montgomery St.
 Contractor—Industrial Const. Co., 815 Bryant St.
 Lessee—Title Insurance & Guarantee Co., 250 Montgomery St.
Plastering—A. W. Cordes, 1263 33rd Avenue.

As previously reported, cast stone awarded to McGilvray-Raymond Corp., 3 Potrero Ave.; plumbing to J. J. McLeod, 1246 Golden Gate Ave.; ornamental and miscellaneous iron to California Artistic Metal & Wire Co., 349 7th St.; metal pans to Steelform Contracting Co., Monadnock Bldg.; sidewalk lights to Pacific Sidewalk Light Co., 252 Lobos St.; reinforcing steel to Gunn, Carle & Co., 444 Market St.

Plans Being Completed.
STORE Cost, \$5,000
FAIRFIELD, Solano Co., Calif.
 One-story class A concrete store (35x 80-ft.)
 Owner—Solano County Bank, (F. C. McInnis, president).
 Architect—C. E. Perry, 1380 Fulton St., San Francisco, and 427 Sacramento St., Vallejo.

Bids will be taken in about 1 week
 Plans Being Completed.
ALTERATIONS Cost, \$30,000
BAKERSFIELD, Kern County, Calif.
 Southern Hotel Bldg.
 Alterations and additions to building for banking quarters.
 Owner—Bank of Italy.
 Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.

Bids will be called for in about two weeks.
 Contract Awarded.
ALTERATIONS Cost, \$6,000
SAN FRANCISCO. NE Bush St. and Grant Ave.
 Alterations and additions to present building.
 Owner—J. M. Kane, 1900 Vallejo St.
 Architect—E. A. Eames, 353 Sacramento St.
 Contractor—Barrett & Hip, 918 Harrison St.

Low Bidder.
STORE Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 Broadway and Minnie St. (62½x 100 ft.)
 One-story concrete (2) store building.
 Owner—Adam Andrew, 50 Brewster St., Redwood City.
 Architect—John McCool, 381 Bush St., San Francisco.
 Low Bidder—L. H. Pollard, Redwood City.

Additional Sub-Contracts Awarded.
BANK Cont. price, \$257,500
SALINAS, Monterey Co., Calif. Main Street.
 Six-story class A steel frame terra cotta and brick bank building.
 Owner—Salinas National Bank.
 Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Brix Bldg., Fresno.
 Contractor—H. H. Larsen, 64 South Park, San Francisco.
Plumbing, Heating, Sheet Metal, Ventilating—Anderson & Dougherty, 225 Main St., Salinas.
 As previously reported, structural steel awarded to Judson-Pacific Co., 605 Mission St., San Francisco; reinforcing steel to W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco; excavation to S. Ruthven, Monterey; terra cotta, N. Clark & Sons, 116 Natoma St., San Francisco.

Reinforcing Steel Contract Awarded.
STORE Cost, \$7500
SAN MATEO, San Mateo Co., Cal. Third Avenue.
 One-story reinforced concrete store building.
 Owner—Mr. Burbank.
 Plans by Engineering Dept., Public Food Stores, 6th and Townsend Sts., San Francisco.
 Lessee—The Public Food Stores, 6th and Townsend Sts., San Francisco
 Contractor—Young & Horstmeier, 461 Market St., San Francisco.
 Reinforcing Steel—Gunn, Carle & Co., 444 Market St., San Francisco.

Plans Being Revised.
STORE Cost, \$200,000
STOCKTON, San Joaquin Co., Cal.
 Three-story reinforced concrete store building.
 Owner—S. H. Kress Dept. Store, 621 S Broadway, Los Angeles.
 Architect—John H. Fleming, Los Angeles.

Previous bids taken were rejected, and plans will be refigured by O. H. Chain of Stockton and a Los Angeles contractor.

Construction Indefinitely Postponed.
ALTERATIONS Cost, \$45,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Center St.
 Alterations to first floor and basement of bank (paid in new floor, copper moulding, glass fronts, etc.)
 Owner—American Trust Co., 464 California St., San Francisco.
 Architect—James W. Plachek, American Trust Bldg., Berkeley.
 Mgr. of Const.—C. O. Colluppy, Holbrook Bldg., San Francisco.

Bids To Be Taken In A Few Days.
REMODELING Cost, \$—
SAN FRANCISCO. 111 O'Farrell St.
 Remodel present store.
 Owner—Kohler & Chase, premises.
 Architect—F. H. Meyer, 525 Market Street.

Sub-Contracts Awarded.
STORE Cost, \$23,900
BURLINGAME, San Mateo Co., Calif.
 Burlingame Avenue and Primrose Road.
 One-story reinforced concrete store building with tile roof (5 stores; 91 by 110-ft.)
 Owner—Martin Stelling, Jr., 155 Montgomery St., San Francisco.
 Architect—Eertz, Winter, Maury, 210 Sutter St., San Francisco.
 Contractor—Young & Horstmeier, 461 Market St., San Francisco.
Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.
Lumber—Christenson Lumber Co., 5th and Hooper Sts., San Francisco.
Sheet Metal—Palo Alto Sheet Metal Works, 841 Alma Ave., Palo Alto.

Plans Completed.
CAFE Cost, \$50,000
BERESFORD, San Mateo Co., Calif.
 Bell Tract.
 One-story frame cafe and grill.
 Owner and Builder—Bell Bros., Beresford.
 Architect—E. H. Denke, 1217 Hyde St., San Francisco.
 Lessee—John Talt, San Francisco.
 Financing arrangements are being completed, and sub-bids will be taken in about one week.

Project Abandoned.
OFFICE Cost, \$50,000
SAN FRANCISCO. N Fell Street bet. Van Ness Ave. and Polk St.
 Four-story and basement reinforced concrete office and laboratory bldg.
 Owner—The Viavi Co., 636 Pine St.
 Architect—Willis Polk Co., 277 Pine.
 The architects and owners report that the plan to erect this structure has been abandoned.

Contract Awarded.

STORE Cost, \$10,000
SANTA CLARA, Santa Clara Co., Cal.
 One-story Spanish tile brick grocery store.
 Owner—Mr. George.
 Architect—Wolfe and Higgins, Realty Bldg., San Jose.
 Contractor—Frank Neves, 891 Harrison St., Santa Clara.

Contract Awarded.

ALTERATIONS Cost, \$8,000
SAN FRANCISCO, NW Bush St. and Montgomery.
 Install mezzanine floor and alterations for store.
 Owner—Roos Bros.
 Plans by Rans and Rapid Store Equip Co., Russ Bldg.
 Contractor—Dinwiddie Const. Company, Crocker Bldg.

Plans Being Completed.

OFFICE BLDG. Cost, \$—
PHOENIX, Arizona. First Ave. and Adams Street.
 Twelve-story Class A steel and concrete office building (137x100 ft.)
 Owner—Phoenix Title & Trust Co., Phoenix, Ariz.
 Architect—Lescher & Mahoney, First National Bank of Arizona Bldg., Phoenix.
 Contractor—William Simpson Co., 1007 Architects' Bldg., Los Angeles.

FRESNO, Fresno Co., Cal.—V. Kirkorian, Fresno, has filed application for a building permit to erect a one-story store building, 60 by 85 feet, at 2193 Railroad Avenue.

Preliminary Plans Being Prepared.

ANNEX Cost, \$2,000,000
SAN FRANCISCO, Bush St. near Montgomery (50x137 ft.)
 Eighteen-story Class A reinforced concrete annex to building.
 Owner—Mills Estate, Inc. (Curtis D. O'Sullivan, President), Mills Bldg. San Francisco.
 Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Sub-Contracts Awarded.

STORE Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
 Broadway and Minnie St. (62½x 100 feet).
 One-story concrete (2) store building.
 Owner—Adam Andrew, 50 Brewster St., Redwood City.
 Architect—John McCool, 381 Bush St., San Francisco.
 Contractor—L. H. Pollard, Redwood City.
Sheet Metal—Palo Alto Sheet Metal Works, 841 Alma St., Palo Alto.
Structural Steel—Western Iron Wks., 141 Beale St., San Francisco.
Metal Sash—United States Metal Products Co., 330 Tenth St., S. F.
Reinforcing Steel—Concrete Engineering Co., 1230 Indiana St., S. F.
Hardwood Floors—F. A. Grunert, 5th Ave., Redwood City.
Brick Work—E. Berndtsen, 435 Edge-wood Road, Redwood City.
Tile Work—Bloomquist Tile Co., 722 Clinton St., Redwood City.
Painting—J. H. Bailly, 260 Main St., Redwood City.
Glass and Glazing—Coast Glass Co., 611 Emerson St., Palo Alto.
Plumbing—Victor L. Doppee, 119 Main St., Redwood City.
Electric Work—San Bruno Electrical Co., San Bruno.
Millwork—J. H. Kruse, 23rd St. and Treat Ave., San Francisco.
Waste Plaster Molds—August Dackert & Co., 1450 15th St., S. F.

Preparing Preliminary Plans.

ALTERATIONS Cost, \$—
SANTA CRUZ, Santa Cruz Co., Calif.
 Alterations to bank building.

Pacific and Locust Sts.

Owner—Farmers & Merchants Bank, premises.
 Architect—W. H. Weeks, Hunter-Du-lin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

THEATRES**Contract Awarded.**

THEATRE Cost, \$250,000
BAKERSFIELD, Kern Co., Cal.
 Two-story Class A reinforced concrete theatre (to seat 2000; 150x 122 feet).
 Owner—Fox West Coast Theatres, Inc., Washington St. and Vermont Ave., Los Angeles.
 Architect—S. Charles Lee, Petroleum Securities Bldg., Los Angeles.
 Contractor—Henry I. Beller Constr. Co., 6513 Hollywood Blvd., Hollywood.

Concrete slab roof and floors, plaster exterior, tile and composition roofing, wrought and ornamental iron, structural steel, marble and tile work, carpeted floors, opera chairs, etc.

Plans Being Figured—Bids Close

March 10
THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. Twelfth St. and Broadway.
 Two-story theatre and store building (theatre to seat approx. 800).
 Owner—Levy Estate, Oakland.
 Architect—Clausen & Amandes, Hearst Bldg., San Francisco.
 Lessee—Golden State Theatres, Inc.

Preparing Working Drawings.

THEATRE Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal.
 One-story concrete modern theatre (to seat approx. 1000).
 Owner—Redwood Theatres, Inc., Geo. M. Mann and Chas. K. Koerner.
 Architect—N. R. Coulter, 46 Kearny St., San Francisco.

WHARVES AND DOCKS

OAKLAND, Alameda Co., Cal.—Until March 17, 4:30 P. M., bids will be received by City of Oakland Port Commission, 525 Oakland Bank Building, for paving deck of apron wharf in Outer Harbor Terminal, Wharf Extension.

HUNTINGTON BEACH, Los Angeles Co., Cal.—The \$122,000 bond issue for pier construction was voted at the election Feb. 18. Of this sum, \$60,000 was for repairs to the existing pier and \$62,000 for a 500-ft. extension. Merwin Rosson is city engineer.

SAN DIEGO, Cal.—Until 11 A. M., March 12, bids will be received by the city purchasing agent, A. V. Goeddell, for the construction of an extension to the Broadway pier. The project calls for an extension 200 ft. to the pierhead line, making the enlarged structure 1000 ft. in length. The new construction will be 130 ft. in width. The estimated cost is \$100,000. Construction will be built with precast concrete piles and double deck shed will be under separate contract.

SACRAMENTO, Calif.—Until March 12, 10 A. M., bids will be received by Harry W. Hall, county clerk, to construct a ferry slip on Lower Andrus Island near the Golden State Cannery. Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from County Engineer Chas. Deterding, Jr.

SANTA BARBARA, Cal.—The Bolsa Chica Oil Co., Roosevelt Bldg., Los Angeles, is completing arrangements for the construction of a pier about 10

miles west of Santa Barbara. It will be about 900 ft. in length, of steel piling with timber decking. The work will also involve some concrete decking. Cost, \$100,000.

MISCELLANEOUS CONSTRUCTION**Contracts Awarded Low Bidder.**

STATION Cost, \$—
SAN FRANCISCO. Children's Play-ground, Golden Gate Park.
 One-story convenience station.
 Owner—City and County of San Francisco (Park Commission).
 Architect—None.

Plastering

James Smith.....\$ 640
 John R. Bickle.....640
 McGruer & Company.....658
 A. Knowles.....1,159

The successful bidder on this work of is to be decided by the two low bidders, who will probably toss a coin for the award.

Wall Tile

Ginsberg Tile Co.....\$ 820
 Art Tile & Mantel Co.....892
 Thomas F. O'Connor.....968
 Meda Art Tile Co.....993
 Mangrum-Hollbrook Co.....985
 Lamey Bros.....1,133

Terrazzo Floor

California Terrazzo Marble Co.....\$2,123
 Henry Gervais.....2,145
 Eisele & Dondoro.....2,185

Roofing Tile

N. Clark & Son.....\$615
 H. & H. Roofing Co., Inc.....722
 Alta Roofing Co.....757
 H. H. Soffle.....768

Construction Started.

RESORT BLDG. Cost, \$350,000
TIJUANA, Mexico.
 Reinforced concrete resort building (to seat 2000; 205x135 feet).
 Owner—Tijuana Athletic Club, Tijuana, Mexico.
 Architect—Eugene M. Hoffman, Guyson Bldg., San Diego.
 Contractor—Wurster Constr. Co., 107 Architects' Bldg., Los Angeles.

OAKLAND, Cal.—Caldow Paint Co. 1422 14th Ave., Oakland, at \$1.15 per gallon awarded contract by city council to furnish and deliver traffic paint for period ending June 30.

BERKELEY, Alameda Co., Calif.—Until March 13, 11 A. M., new bid will be received by the Regents of the University of California, Berkeley for:

(a) Central Heating Plant Building
 (b) Utility Tunnel Connection, and
 (c) Combined proposals on items (a) and (b) on the campus of the University. Previous bids rejected, these being:

H. K. Henderson, 20 Avis Rd., Berkeley, (a) \$4,751; (b) \$5,060; (c) \$52,501.

Sullivan and Sullivan, Oakland, (a) \$49,850; (b) \$1,826; (c) \$54,350.
 Dinwiddie Const. Co., San Francisco (a) \$51,000.

Walter Sorensen, Oakland, (a) \$51,780.

J. W. Cobby & Son, San Francisco \$55,961.

Connor & Connor, Oakland, \$57,000
 F. J. Westlund, Oakland, \$57,297.
 C. D. De Velhiss, Oakland (a) \$59,112; (b) \$5,500; (c) \$64,312.

Plans obtainable from Cashier's Window at California Hall, Berkeley on deposit of \$25, returnable.

Plans Being Completed.

DEPT. Cost, \$119,500
STOCKTON, San Joaquin Co., Cal.
 Fireproof passenger and freight depot.
 Owner—Southern Pacific R. R. Co.
 65 Market St., San Francisco.
 Architect—Eng. Dept. of Owner.
 Bids will be taken for a general contract in about ten days.

Contract Awarded.

ADDITIONS Cost, (Unit A) \$457,858 (Unit B) \$415,000
LOS ANGELES, Cal. Exposition Park
 Additions to coliseum.
 Owner—City of Los Angeles.
 Architect—John and Donald Parkinson, Title Insurance Bldg., L. A.
 Contractor—Edwards, Wilder & Dixon
 Edwards & Wilder Bldg., Los Angeles.

The work will include the removal of the upper half of the structure and reconstructing of reinforced concrete, involving extensions at each end of peristyle, extending concrete girders, columns, foundation work and stairs below the upper surface of the concourse floor and underpinning of all tunnels and foundations.

Plans Being Figured—Bids Close Mar. 18, 12 Noon.

REPAIRS Cost, \$—
SAN FRANCISCO. Marina District.
 Repairs to Palace of Fine Arts.
 Owner—City and County of San Francisco (Park Commission, B. P. Lamb, secretary).
 Engineer—Henry D. Dewell, 55 New Montgomery St.

Bids are being received by the Board of Park Commissioners, B. P. Lamb, secretary, Park Lodge, Golden Gate Park. Certified check 10% payable to Board of Park Commissioners required with bid. Plans obtainable from engineer. Bond of 50% of contract price required of successful bidder.

HAYWARD, Alameda Co., Cal.—April 14 is date set by city council to vote bonds of \$75,000 to finance construction of a municipal swimming pool. Jesse B. Holly is city engineer.

SAN MATEO, San Mateo Co., Cal.—Guerin Bros., 2940 San Jose Ave., San Francisco, at \$470 awarded contract by city for grading East San Mateo Park at Monte Diablo Ave. and North Eldorado St. Following is a complete list of bids: Guerin Bros., \$470; Chas. Cruthers, \$530; Meyer Rosenberg, \$480; J. P. Lauder, \$565; Diamond Constr. Co., \$600; C. L. Jordan, \$625; M. M. Ball, \$700; L. J. Immel, \$750.

TALMADGE, Mendocino Co., Cal.—J. T. Thorpe, 417 Market St., San Francisco, at \$2,530 submitted lowest bid to State of California for constructing crematorium (furnace) at Mendocino State Hospital for the State of California. Plans prepared by Geo. W. McDougall, State Architect, Public Works Bldg., Sacramento.

Following is a complete list of the bids:
 J. T. Thorpe, \$2,530.
 J. N. J. Firebrick Const. Co., San Francisco, \$2,692.
 San Francisco Oven Co., San Francisco, \$3,995.
 Bids held under advisement.

SAN FRANCISCO.—C. B. Sovig, 248 Oak St., at \$12,972 submitted low bid to Board of Public Works to rehabilitate the Stockton street tunnel. The project involves waterproofing, lighting and general repairs. Complete list of bids follows:
 C. B. Sovig.....\$12,972
 J. Reilly.....15,981
 J. Treacy.....16,445
 L. Hansen.....16,550
 W. Cobby.....16,700
 Anderson.....16,850
 H. Mann.....17,480
 L. J. Cohn withdrew his bid just before the time set for opening.

SAN FRANCISCO—Link Belt-Meese and Gottfried Co., 3100 19th St., at \$44,612 submitted low bid to Board of Public Works to furnish and deliver a portable gravel plant for the Coast Range Division of the Hetch Hetchy Project, under Contract No. 121. Other bids were: Harron, Rickard and McCone, \$44,800; Bodinson Mfg. Co., \$44,997; Diamond Iron Works, \$64,644; Stephens-Adams Mfg. Co., \$49,972.

Project Postponed Indefinitely.
REMODEL DEPOT Cost, \$8,000
SACRAMENTO, Sacramento Co., Cal.
 Seventh and L Sts.
 Remodeling of present depot for de luxe stage depot.
 Owner—Southern Pacific Motor Transport Co., 9 Main Street, San Francisco.
 Architect—Eng. Dept. of Owner.

Plans Being Figured—Bids Close March 14.
ADMINISTRATION BLDG. Cost, \$—
TUCSON, Arizona. Municipal Airport.
 Administration building.
 Owner—City of Tucson.
 Architect—None.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission St., Phone KEarny 1252:

D-3401—Local Representative. New York City. Advertising firm desirous of securing advertising man or small agency to contact with to secure as local representative.

D-3402—Agency. Helena, Montana. Party qualified to take charge of a branch office or agency not requiring too great technical knowledge interested in communicating with firm desiring agency in Montana.

D-3403—Manufacturers' Agent for Washing Machines. Detroit, Michigan. Eastern concern interested in securing manufacturers' agents that would be interested in handling industrial washing machines and ovens in San Francisco's territory.

D-3404—Representative for Vibrating Chairs. Chicago, Ill. Exclusive representative in San Francisco for vibrating chairs with sufficient means to purchase merchandise outright is desired by Chicago firm.

D-3405—Sales Engineer. Cincinnati, Ohio. Engineering firm desires sales engineer who would be interested in selling their line of electric brakes on a commission basis.

D-3406—State Agent. Los Angeles, Calif. Firm seeking state agent for stand for electrical iron, to be marketed for the first time in Northern California to be sold direct-to-consumer.

D-3407—Representation in Philadelphia. Philadelphia, Pa. Firm in Philadelphia is seeking manufacturer in San Francisco who desires representation to communicate with, the object in view of marketing their goods for them in the East.

D-3408—Manufacturers' Agent. Cleveland, Ohio. Ozone machine manufacturers anxious to secure manufacturers' agent in San Francisco who deals in electrical goods, to market their goods.

D-3409—Commission Salesmen. Freeport, Ill. Concern desires high grade commission salesmen or distributors who can sell their product to the jobbing trade on the Pacific Coast; their products consist of domestic and janitor mop sticks, camp stools, juvenile golf sets and brushes.

18083—Window Glass and Brushes. Roosendall, Netherlands. Party is offering window glass and all kinds of brushes.

18085—Agricultural Implements. San Francisco, Calif. French manufacturer of agricultural implements would like to get in touch with firms in San Francisco.

18086—Representation. Portland, Ore. Firm desires to act as representative for local houses that are interested in having their products introduced into European market.

18090—Salesman. Schmiedefeld, Ger. Party is anxious to secure a salesman on a commission basis, for his hydrometers.

18091—Representative. Milan, Italy. Society is asking for a list of active representatives for the sales of articles for bars, hotels, restaurants.

18093—Representation. San Francisco, Cal. Party connected with company having headquarters in Roumania and Budapest is in this country for the purpose of securing lines of radios and household goods for exclusive representation in the middle European countries.

18095—Survey Service. Kobe, Japan. Party with experience as a surveyor for the American and other consulates offers his services to local buyers of Japanese goods. References.

18099—Paints. Hello, Korea. Company is in the market for the following paints: 10 bbls. white, one bbl. black, 1 bbl. deep blue, 1 bbl. yellow, 1 bbl. red, 1 bbl. maroon color, 5 bbls. (boiler) mixture with paints.

19000—Ice Cream Freezers. Dairen, Manchuria. Railway concern is interested in receiving catalogs and price lists from manufacturers of ice cream freezers. Local bank reference.

19001—Lumber. Havana, Cuba. Party is desirous of purchasing pine, and other kinds of lumber and timber.

19002—Representation. Guatemala, C. A. Firm wishes to act as agent, both buying and selling, to take care of legal matters, etc., for local houses.

19008—Representation. Manila, P. I. Store wants to act as representative of firms desirous of exporting to the Philippines.

D-3411—Machine Shop. San Francisco, Calif. Party interested in disposing of machine shop.

D-3412—Representation. Milwaukee, Wis. Party in East interested in handling line of San Francisco manufacturer, as their representative.

D-3413—Distributors. Cambridge, Mass. Firm wishes distributor for high grade grease gun. A light machine which will handle the heaviest of greases and deliver a pressure of 9,000 pounds.

D-3414—Representation. Berkeley, Calif. Floor wash manufacturer wishes to get in touch with concern who would distribute his products along Pacific Coast states.

D-3416—Patent. Monterey Park, Cal. Owner of patent for piano interested in securing manufacturer who might be interested in purchasing of same.

D-3418—Patent. Seattle, Wash. Patent Owner of patents on new type three horsepower one cylinder stationary type engine desires to contact persons or firms desiring to acquire patent and manufacturing rights. Blue prints and demonstrations will be made available to interested parties.

LUMBERMEN INJURED

Jewel D. Lowe, 37, general manager of the Red River Lumber Company at Westwood, Calif., and G. L. Fullington, Kansas City, were injured, probably fatally, and T. A. Kemp, Kansas City was less seriously hurt in an automobile accident near St. Joseph, Mo., March 1. Their car swerved to avoid striking an unlighted car which emerged from a side road, and ran into a culvert. All three were thrown from the machine. Lowe suffered fractures of both upper and lower jawbones and his right arm.

Engineering News Section

BRIDGES

SAN CARLOS, San Mateo Co., Cal.—Town trustees will call an election shortly to vote bonds of \$15,000 to finance construction of five bridges over Pulgas Creek to link up the SW portion of the town where the new grammar school will be erected. The bridges will be constructed in Elm, Chestnut, Cedar and Arroyo Sts., and Stanford Lane.

MARTINEZ, Contra Costa Co., Cal.—City council petitioned to open Green St. as a cross town artery involving the construction of a bridge over Alhambra Creek.

OROVILLE, Butte Co., Cal.—T. H. Polk, Chico, at \$1,805.65 awarded contract by county supervisors to construct concrete bridge over Clear Creek near the Lewis place on Clark road. Complete list of bids follows:

T. H. Polk, Chico.....	\$1,805
W. L. Thompson, Orland.....	1,908
Wiggins & Kaiser, Oakland.....	1,377

CHICO, Butte Co., Cal.—T. H. Polk, Chico, at \$608 awarded contract by county supervisors to construct small concrete bridge over a slough near Lewis place on Clark road. Complete list of bids follows:

T. H. Polk, Chico.....	\$608
W. L. Thompson, Orland.....	643
Wiggins & Kaiser, Oakland.....	767

LONG BEACH, Calif.—Application has been made by the Department of Public Works, State of California, for War Department approval of plans of proposed bridge across the arm of Alamitos Bay, near the easterly boundary of City of Long Beach, and about 2000 feet northeasterly of the Pacific Electric railway track; the bridge to have a removable span 40 ft. wide (26.8 feet normal to channel), 7 feet clear height above mean high water and 11.8 feet above mean lower low water; and 15 additional spans of 19 ft. to center.

LONG BEACH, Cal.—City Manager G. L. Buck has announced that immediate construction of the Orange Ave.-Hill St. Viaduct has been made possible by agreement with the Pacific Electric Ry. Co. which is to pay \$62,000 of the cost of the structure. A county appropriation of \$75,000, and the city's contribution of \$28,000; makes up the estimated cost (\$165,000) of the proposed viaduct. City Manager Buck states that bids will be advertised for shortly.

LOS ANGELES, Calif.—Until 10 A. M., April 2, bids will be received by the board of public works for the construction of the Fourth street viaduct over the Los Angeles river and the tracks of the Santa Fe Ry and Union Pacific Ry. The proposed bridge will be a reinforced concrete viaduct consisting of a single arch 254 ft. in length over the river and girder and arch approaches, a total length of 2400 lin. ft., with a 600-ft. ramp to Mateo St. It will be 71 ft. wide over all, with two 5-ft. sidewalks, and a 56-ft. roadway. The work will involve: 48,000 cu. yds. class F concrete; 7,000,000 lbs. rein. steel; ornamental balustrade and hand rail; special design concrete lighting posts; storm drain in approaches.

HUMBOLDT COUNTY, Cal.—Fred J. Maurer, Eureka, at \$10,880 awarded contract by State Highway Commission to construct undergrade crossing under tracks of the Northwestern Pacific R. R. at Loleta, consisting of a 60-ft. deck plate girder span on concrete piers with pile foundations.

NAPA, Napa Co., Cal.—Until March 24, bids will be received by city council to widen Jefferson St. at street bridge; estimated cost \$4,700. Plans obtainable from City Engineer H. A. Harold.

DREDGING, HARBOR WORKS & EXCAVATIONS

RICHMOND, Contra Costa Co., Cal.—Fred C. Franks Contracting Co., 260 California St., San Francisco, at \$972 cu. yd. submitted low bid to U. S. Engineer Office, San Francisco, for dredging in Richmond Harbor, involving 156,000 cu. yds. Other bidders were: San Francisco Bridge Co., \$1002; American Dredging Co., \$102; Hydraulic Dredging Co., \$1025. Taken under advisement.

SACRAMENTO, Cal.—Following are three low bids received by U. S. Engineer Office, Sacramento, for suction dredging approximately 1,772,000 cu. yds. of material in New York Slough and Suisun Bay:

Longview Dredging Co. Oakland.....	\$,089
Hydraulic Dredging Co.....	\$,089
San Francisco Bridge Co.....	\$,095

Bids taken under advisement.

SAN DIEGO, Cal.—An expenditure of \$756,000 this year for enlarging the anchorage channel, widening and deepening the bar, San Diego Harbor, has been recommended by Maj. Gen. Lytle Brown, chief of army engineers, and Maj. W. H. Lanagan, district engineer. The widening and deepening of the channel, making it 40 ft. deep and 800 ft. wide, would involve 1,800,000 cu. yds. of material. Other proposed work involves 1,290,000 cu. yds. dredging. If appropriations are made, this work will start shortly after July 1.

ELLENSBURG, Wash.—Until April 16, bids will be received by U. S. Bureau of Reclamation, Ellensburg, to construct approximately six additional miles of the High Line Canal, Kittitas Project, between the Milwaukee Crossing in the Park District to Wippel Creek on the edge of the Big Badger Pocket area. The specifications include the construction of the Johnson creek siphon and also the 3470 feet tunnel near Wippel creek. The canal itself will be 18 feet in width at the upper end. The specifications call for excavation of approximately 118,000 cubic yards of material the placing of 3400 cubic yards of concrete and the placing of 54,000 pounds of reinforcing steel. There will also be the placing of 2600 linear feet of precast concrete pipe from 18 to 72 inches in diameter. Johnson creek siphon is really two siphons joined together by a short tunnel. It is to be of lock joint 72-inch concrete pipe, made in the government plant in Ellensburg. This will be 1500 feet in length. The largest tunnel will be 3470 feet in length and will be 6.7 feet in diameter. Construction work stops

in section 33 of range 17 north, and 20 east. This is on the edge of the Badger Pocket district. Plans obtainable from above office.

SACRAMENTO, Calif.—Until March 12, 10 A. M., bids will be received by Harry W. Hall, county clerk, to construct a ferry slip on Lower Andrus Island near the Golden State Cannery. Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from County Engineer Chas. Deterding, Jr.

RICHMOND, Contra Costa Co., Cal.—Berkeley Waterfront Co. and Blair S. Shuman have filed application with the U. S. War Department seeking authorization to create an industrial tract on the Richmond Inner Harbor, containing more than 241 acres and having a deep water frontage of approximately one mile. The applicants seek authorization to do the necessary dredging and filling, which will involve approximately 1,170,000 cu. yds.

STREET LIGHTING SYSTEMS

TRACY, San Joaquin Co., Cal.—Until March 11, 8 P. M., bids will be received by George L. Ferlichs, city clerk (131) to install ornamental street lighting system, comprising 63 single light standards, together with underground system, in 11th St. bet. west boundary of West Park subdivision and East St. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. E. T. A. Bertlett, city engineer.

BAKERSFIELD, Kern Co., Cal.—City council declares intention to install 68 electrolier standards together with underground system in 17th St. bet. K St. and Union Ave. Standards of Union Metal Mig. Co's. design No. 1851. (Improvement District No. 601). 1911 Act. Bond Act 1915. Hearing March 17. V. Van Riper, city clerk. W. D. Clarke, city manager.

MACHINERY AND EQUIPMENT

SEASFOOT, Sonoma Co., Cal.—Until March 14, 7:30 P. M., bids will be received by J. B. Bridgeford, Clerk, Analy Union High School District, to furnish one or more school bus chassis, capacity of bus body to be 42 pupils. Bidder requested to state allowance to be made for either or both busses now owned by the district. Bids will also be considered for one or more school bus bodies to be built complete on chassis to be furnished by the district. Further information obtainable from clerk.

BERKELEY, Alameda Co., Cal.—Kleiber Motor Truck Co., San Francisco, at \$5044 awarded contract by city council to furnish and deliver 5-ton truck for use of street department.

SAN FRANCISCO—Link Belt-Meese and Gottfried Co., 3100 15th St., at \$44,612 submitted low bid to Board of Public Works to furnish and deliver a portable gravel plant for the Coas Range Division of the Hetch Hetchy

Project, under Contract No. 121. Other bids were: Harmon, Rickard and McCone, \$44,500; Bodinson Mfg. Co., \$44,987; Diamond Iron Works, \$64,644; Stephens-Adams Mfg. Co., \$49,972.

TAFT, Kern Co., Cal.—Until March 25, 7 P. M., bids will be received by H. E. O'Brien, clerk, Taft Union High School District, to furnish shop equipment for high school. Certified check 5% payable to clerk of district required with bid. Specifications on file in office of clerk and obtainable from W. H. Weeks, architect, 111 Sutter St., San Francisco.

RAILROADS

LOS ANGELES, Cal.—The Los Angeles Railway has announced a program of street car line and bus line extensions during the next two years at an estimated cost of \$1,300,000. J. Ogden Marsh is the chief engineer.

FIRE ALARM SYSTEMS

RED BLUFF, Tehama Co., Calif.—City will call election shortly to vote bonds of \$2,100 to finance extensions to fire alarm system.

SAN MATEO, San Mateo Co., Cal.—Universal Tool and Manufacturing Co., San Francisco, at \$870 awarded contract by city council to furnish alarm boxes and register in connection with fire alarm system. Other units of the system will be installed by Atlas Electric Co., San Francisco, at \$991.65. Batteries, motor generator and battery charger will be purchased in the open market by City Manager E. P. Wilsey.

FIRE EQUIPMENT

BURLINGAME, San Mateo Co., Cal.—Seagrave Co. at \$10,000 awarded contract by city council to furnish and deliver a new fire truck with ladders.

PIPE LINES, WELLS, ETC.

SAN JACINTO, Riverside Co., Cal.—Until March 7, bids will be received by the city council for drilling an 8-in. well about 220 ft. deep and for furnishing casing.

SOUTH PASADENA, Cal.—Until 2 P. M., March 12, bids will be received by the city council for drilling a water well, settling casing, etc., in accordance with specifications on file at the office of the city engineer. Nettie E. Hewitt, city clerk. The date, originally set for March 1, has been extended as shown above.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN JACINTO, Riverside Co., Cal.—Until March 7, bids will be received or furnishing two deep well turbine pumps and two electric motors. Geo. Rover, city clerk.

GUSTINE, Merced Co., Calif.—City to bond \$20,000 to finance extensions to sewer system.

LOS ANGELES, Cal.—Until 2:45 P. M., March 12, bids will be received by Sanitation District No. 8, room 2 Law Bldg., 130 N. Broadway, for furnishing equipment for a sewage pumping plant as follows:

One 4-in. horizontal centrifugal sewage pump with closed two port impeller, capable of delivering approximately 400 gallons of raw sewage per minute against a minimum head of 18-in. or a maximum head of 20-ft., with direct connecting motor, capable of

operating under the conditions imposed.

One 6-in. horizontal centrifugal sewage pump with closed two port impeller, capable of delivering approximately 800 gallons of raw sewage per minute against a minimum head of 18-in. or a maximum head of 20-ft., with direct connecting motor, capable of operating under the conditions imposed.

All prices are to include delivery of such equipment at the plant site at the intersection of Wilmington Ave. and Wilmington St. in Los Angeles County. Bidders may bid on any or all items and separate contracts may be entered into for each item. Each bidder shall indicate date of delivery of each item of equipment bid on. Certified check or bond, 10%. Plans may be obtained from the office of the chief engineer, A. K. Warren, 202 Law Bldg., 139 N. Broadway. A. S. Soule is the secretary.

SANTA CRUZ, Santa Cruz Co., Cal.—Thompson Bros., Santa Cruz, at \$17,023.75 awarded contract by city council (455-C) to improve Walnut Ave. bet. Chestnut and Pacific Aves., involving cement concrete paving; concrete curbs, walks, driveway approaches, catchbasins, pipe drains, storm water manhole; br. manhole; vit. clay pipe sewer laterals; 20 2-light Marbelite electrolier standards with underground system.

BERKELEY, Alameda Co., Calif.—Oakland Sewer Const. Co., at \$7,095.84 awarded contract by City to extend existing sanitary sewer laterals; construct 12-in., 15-in. and 18-in. storm sewers; manholes; fill pavement depressions, etc., in Primrose Ave. 1911 Act. Following is a complete list of bids:

Oakland Sewer Const. Co.	\$ 7,095
Meyer Rosenberg, S. F.	7,214
A. G. Raich, S. F.	8,429
De Golyer & Bruce	8,833
Diamond Const. Co.	8,975
F. C. McGaw	9,192
Fay Imp Co., San Francisco	10,890

FRESNO, Fresno Co., Calif.—City council declared intention (new proceedings) No. 103-D, to construct 6-in. vit. clay pipe sewer in alley in Roeding Addn., including 3 cement conc. manholes with c. i. covers; 4-in. on 6-in. wyes. 1911 Act. Bond Act 1915. H. S. Foster, city clerk. Frank Rantsma, acting city engineer. Hearing March 20th.

OROVILLE, Butte Co., Calif.—City Engineer S. J. Norris estimates cost of storm sewers at \$28,086 in addition to \$12,000 for extending Pomona Ave. sewer from Myers St. to Dry creek. The estimates include \$5,340 for extension of the Oroville levee. Other recommendations included in the estimates are: Sewer along Western Pacific railroad cut from Baldwin Ave. to Bridge St., \$6,700; sewer on Myers St. from High to Robinson, \$1,230; sewer on First Ave. from Safford to Montgomery St., \$506; sewer on Robinson St. from Marysville Road westward 400 ft., \$2,160; sewer on First Ave. from Safford to Broderick St., \$630; sewer on Geage Ave. from Lincoln St. to 160 ft. west of Yeatch St., \$2,314; sewer on Washington St. from the Bechtel tract to Mitchell Ave., \$630, and a sewer on Broderick St. from Second Ave. to the Boston Machine Shop, \$5,576.

LOS ANGELES, Cal.—C. E. Arnold, chief storm drain engineer of Los Angeles County, is completing plans for drainage system in Drainage District No. 29, covering Sherman and vicinity, embracing approximately 1261 acres of drainage area. Outlets will be provided by hooking up with Storm Drain District No. 11 at three

points, viz.: In Dohney Drive, in San Vicente Blvd. and Beverly Blvd., and in the La Cienega storm drain. A hearing has been set for March 10. The work will involve approximate quantities as follows:

3000 cu. yds. excav.
2237 cu. yds. class A concrete;
40 cu. yds. class B concrete;
45 cu. yds. class C concrete;
257,745 lbs. reinf. steel;
10 catchbasins No. 1;
7 catchbasins No. 2;
1 catchbasin No. 3;
11 catchbasins No. 8, with one grating;
13 catchbasins No. 8, with 2 gratings;
2 catchbasins No. 3, with 3 gratings
5 catchbasins No. 3, with 2 gratings;

3 special structures, No. 6;
18 catchbasins (with aprons), No. 1;
8 catchbasins (with aprons), No. 2;
3 catchbasins (with aprons), No. 3;
26 catchbasins (with aprons), No. 2, one grating;
15 catchbasins (with aprons), No. 8, with two gratings;
10 catchbasins (with aprons), No. 8, with three gratings;
2 catchbasins (with aprons), No. 8, with one grating;
5 catchbasins (with aprons), No. 9, with two gratings;
11 manholes (standard and special), No. 1;
54 manholes (standard and special), No. 2;
3 sanitary sewer manholes;
4 sanitary sewer manholes, special;
12 standard junction structures No. 1;
30 sanitary sewer chimney pipes;

Reinf. centrifugally spun concrete pipe, standard weight—1194 ft. 18-in.; 2591 ft. 21-in.; 2529 ft. 24-in.; 1327 ft. 27-in.; 2451 ft. 30-in.; 1221 ft. 33-in.; 3101 ft. 36-in.; 1124 ft. 39-in.; 994 ft. 42-in.; 584 ft. 45-in.; 915 ft. 48-in.; 356 ft. 51-in.; 90 ft. 54-in.; 608 ft. 57-in.; 686 ft. 66-in.; 888 ft. 72-in.

Special A reinforced concrete centrifugally spun pipe—180 ft. 27-in.; 260 ft. 30-in.; 436 ft. 36-in.; 329 ft. 48-in.; 1086 ft. 54-in.; 476 ft. 66-in.; 528 ft. 72-in.

Special B reinforced concrete centrifugally spun—30 ft. 27-in.; 68 ft. 36-in.; 271 ft. 72-in.

Plain cement pipe—91 ft. 6-in.; 1244 ft. 12-in.; 1593 ft. 15-in.; 1183 ft. 18-in.; 9 ft. 21-in.

Vitrified clay sewer pipe—1750 ft. 10-in.; 6 ft. 8-in.; 50 ft. 6-in.

FRESNO, Fresno Co., Cal.—Due to irregularities, city council cancels proceedings to construct 6-in. vit. sewer in alleys in Roeding's Addition, and new proceedings will be started. The protests will be heard about March 20.

BERKELEY, Alameda Co., Calif.—Superior Judge T. W. Harris has been asked to dismiss a petition filed by the North Berkeley Taxpayers' Association for a temporary restraining order to prevent construction of a \$350,000 storm sewer project in the Cragmont and Thousand Oaks district of Berkeley. The suit was directed at city officials of Berkeley in an effort to prevent creation of a special assessment district. Frank Cornish, attorney for the association, announced his intention of dropping the injunction plea while Earl Sinclair, Berkeley city attorney, declared he would demand formal dismissal of the proceedings. The protesters took legal steps to halt the proposed assessments after holding numerous mass meetings. They contended that the storm waters could be adequately taken care of by the San Pablo and Cordornices creeks.

CORONADO, Los Angeles Co., Cal.—A \$60,000 sewer bond issue will be placed in the April 14th ballot. Funds will be used to construct additions to the present sewer system.

LAGUNA BEACH, Orange Co., Cal.—A. J. Stead, city engineer, is preparing plans for a sewer system with disposal and outfall to serve a city area of 1100 acres. The work proposed involves: 22,000 ft. of main sewer; disposal plant, 2 pumping plants and 3,000-ft. outfall. Work will be under the 1911 Act and 1915 Bond Act. J. B. Lippincott, Petroleum Securities Bldg., Los Angeles, is the consulting engineer.

WATER WORKS

SAN MATEO, San Mateo Co., Cal.—Richmond Sanitary Co., 290 Division St., San Francisco, at \$535.62 awarded contract by city council to furnish and install pipe in East Park. Other bids: Industrial & Municipal Supply Co., \$544.70; Wisnom Hardware Co., \$548.57; E. C. Cottier, \$550.91; Chas. F. Hartley, \$562.27.

NAPA, Napa Co., Cal.—American Cast Iron Pipe Co. at \$3719.60 awarded contract by city council to furnish and deliver quantity of pipe for water extensions.

TACOMA, Wash.—Birchfield Boiler Co., Tacoma, at \$38,223 submitted low bid to City Board of Contracts to furnish 16,045 lin. ft. 42-in. steel pipe and specials. Other bids, all taken under advisement, were: Steel Pipe & Tank Co., Portland, \$102,134; Western Pipe & Steel Co., San Francisco, \$109,992; and Beall Pipe & Tank, Portland, \$98,239. American Concrete Pipe Co. submitted only bids to furnish and install reinforced concrete pipe and specials at \$111,475 and \$121,520.

OAKLAND, Cal.—Until March 12, 8 P. M., bids will be received by East Bay Municipal Utility District, 512 16th St., to furnish 5,000 concrete meter boxes and covers as required by the district. Deliveries to be made to Corporation Yard, 22nd and Adeline sts., Oakland. Specifications obtainable from above.

LOS ANGELES, Calif.—The \$198,277 bond issue of the Mar Vista district for a water works system carried at the election Feb. 26.

OROVILLE, Butte Co., Cal.—John C. Myers, Oroville, at \$956.85 awarded contract by Memorial Park Cemetery District to install underground sprinkler system in Unit No. 1 of Sunrise Section in the Villa Verona tract.

LOS ANGELES, Cal.—Until 2:45 P. M., March 12, bids will be received by County Sanitation District No. 8, room 202 Law Bldg., 139 N. Broadway, for the construction of the Davidson City Pumping Plant and all appurtenant structures. Plans obtainable from chief engineer, A. K. Warren, 202 Law Bldg. A. S. Soule is secretary of the district.

SAN FRANCISCO.—Thomas Skelly and Wm. Bohler, 1344 9th Ave., at \$738 submitted lowest bid to Constructing Quartermaster, Fort Maud, to install pump and motor in pump house at Fort Barry. Following is a complete list of the bids: Thomas Skelly and Wm. Bohler, \$738; Thomas H. Smith, \$746; Byron Jackson Pump Co., \$749; Wooden & Little, \$757; T. R. Smith, \$790; Burnham Plumbing Co., \$958. Bids held under advisement.

LOS ANGELES, Calif.—An election will be held April 29 to vote on a \$38,000,000 bond issue to furnish funds for

the following projects: Mono and Owens river watershed lands and water rights, including Mono Basin, Long river, Round Valley and Owens Valley town and ranch properties, \$17,181,000; water development expense, including diversion from Mono and necessary added facilities for pumping in Owens Valley, \$10,300,000; enlargement of the present aqueduct, \$500,000; additional local storage, \$7,500,000; and new distribution facilities, \$3,213,000.

MONTECITO, Cal.—Directors of the Montecito County Water District have under consideration a call for a bond election to vote on a \$200,000 issue for extension of water plant facilities and service.

PLAYGROUNDS & PARKS

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City defeats proposal to issue bonds of \$135,000 to finance purchase of lands and improvements for municipal park purposes.

STREETS AND HIGHWAYS

TRACY, San Joaquin Co., Cal.—As previously reported, bids will be received by George L. Frerichs, city clerk, March 11, 3 P. M. to improve portions of W. 10th St., E. 10th St., W. 9th St., E. 9th St., W. 8th St., E. 8th St., W. 7th St., E. 7th St. and other streets. Project involves:

820,000 sq. ft. grading;
745,000 sq. ft. 3-in. asph. pavement;
33,400 lin. ft. curb and gutter;
6,000 sq. ft. sidewalk;
1,700 lin. ft. valley gutter;
1,100 lin. ft. single curb;
2,100 lin. ft. single gutter;
1,700 lin. ft. water services;
1,700 lin. ft. sewer services.

1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans obtainable from E. T. A. Bartlett, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Until March 17, bids will be received by S. A. Evans, city clerk, (456) to improve portions of Atlantic Ave., Fourth Ave. and East Cliff Drive, involving cem. conc. pave., curbs, sidewalk; concrete driveway approaches; vit. clay pipe sewer laterals; wrought iron pipe water services concrete meter boxes. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Roy Fowler, city engineer.

SAN RAFAEL, Marin Co., Cal.—City council will start proceedings at once to pave Palm Ave., bet. Olive and Grand Olive bet. Acacia and Palm; Magnolia from Palm to Locust and Locust from Magnolia to Grand and the lower end of Jewel St.

WASHINGTON, D. C.—(By Special Wire)—Thomas Haverly Co., 316 E. 8th Street, Los Angeles, at \$26,835 submitted low bid to Bureau of Yards and Docks, Navy Department, under Specification No. 5931, for distributing systems and paving at Naval Ammunition Depot, Hawthorne, Nevada. The work consists of oil, steam and return, electric light, telephone, fire alarm, power, street lighting and sewerage disposal systems, also a soft water line, and concrete and bituminous macadam paving, all complete and ready for use. A complete list of bids received will be published shortly.

HUMBOLDT COUNTY, Calif.—Chigris and Sutos, 2211 13th St., San Francisco, at \$2,550 submitted low bid to State Highway Commission to grade and surface with crushed gravel or stone, 1.4 miles between south boundary and Richardson's Grove. Complete list of bids follows:

Chigris and Sutos.....	\$2,550
Kennedy - Davis Construction Co., Oakland	57,574
E. C. Coates, Sacramento.....	58,815
Rocca & Coletti, San Rafael.....	59,491
Englehart Paving & Const. Co., Eureka	61,772
W. H. Hauser, Oakland.....	62,489
Christie & Allen, San Francisco	62,709
J. F. Knapp, Oakland.....	69,499
Gist and Bell, Marysville.....	71,474
J. P. Holland, Inc., S. F.....	89,160

GLENN COUNTY, Calif.—As previously reported, bids will be received March 26 by State Highway Commission to pave with cem. conc. 5.2 miles between Logandale and Willows. Project involves: 2000 cu. yds. rdwy. excavation without class; 58,800 sq. yds. subgrade for pave.; 43,000 cu. yds. pit-run gravel (sub-base and shoulders); 11,240 cu. yds. class A cement concrete (pave.); 277,000 lbs. bar reinforcement steel (pave.); 100 lin. ft. laminated timber guard rail; 269 sta. finish roadway.

RIVERSIDE, Riverside Co., Calif.—Until 10 A. M., March 17, bids will be received by the county supervisors for 5.5 miles of oil mix roadway between Winchester and Temecula, on the Hemet-San Diego highway. Plans obtainable from county surveyor, A. C. Fulmor. The estimate is \$30,000.

MENDOCINO CO., Calif.—Von dei Hellen and Pierson, 2442 Cedar St., Berkeley, at \$14,614 submitted low bid to F. W. Hazelwood, District Engineer, District No. 1, Eureka, to construct rubble masonry retaining walls on approximately 2.5 miles north of Bridges Creek. Other bids, all referred to State Highway Commission headquarters at Sacramento, are: H. H. Boomer, 266 Mills Bldg., San Francisco; Smith Bros., 1636 B St., Eureka \$15,741.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;
Blacksmithing and Welding.

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 ZOE ST., bet. 3rd and 4th, off Brannan St.

Phone KEarny 1885

SAN FRANCISCO

OAKLAND, Cal.—Until March 12, 8 P. M., bids will be received by East Bay Municipal Utility District, 512 16th St., to furnish approx. 50,000 gals. of grade "E" hot asphalt, 4550 tons of crushed rock and screenings. Proposals will be considered for the entire schedule or for any of them or items thereof. Quantities involved are:

50,000 gals. of grade "E" hot asphalt delivered as required f.o.b. trucks at heating plant located at any point within the East Bay Utility district.

2500 tons size $\frac{3}{4}$ -in. to $1\frac{1}{2}$ -in. crushed rock, delivered as required f.o.b. corporation yard at 22nd and Adeline Sts., Oakland.

750 tons of size $\frac{3}{4}$ -in. to $1\frac{1}{2}$ -inch crushed rock, delivered as required f.o.b. trucks at bins located at any point within the East Bay Municipal district.

1000 tons of "birds eye" screenings delivered as required to corporation yard at 22nd and Adeline Sts., Oakland.

100 tons of "birds eye" screenings delivered as required f.o.b. trucks at bins located at any point within the East Bay Municipal district. Specifications obtainable from above office.

GUSTINE, Merced Co., Cal.—City Engineer A. E. Cowell is preparing estimates of cost to gravel and oil various streets. Practically every street in the main section of the city will be improved.

SUNNYVALE, Santa Clara Co., Cal.—Until March 10, 7:30 P. M., bids will be received by Ida Trubschenck, city clerk, (304) to improve portions of McKinley Ave., Carroll St., Iowa Ave., etc., involving grading; 2-in. Warrentite-Bit surface pavement on 3-in. sph. conc. base; cem. conc. curbs, gutters, driveways; 4-in. cem. conc. pipe house sewer laterals; $\frac{3}{4}$ -in. galv. water main service connections. 1911 Act. Bond Act 1915. Certified check 9% payable to city required with bid. Plans on file in office of clerk.

HOLLISTER, San Benito Co., Cal.—City Engineer A. M. McCray making surveys and estimates of cost to pave various streets including South from San Benito to the city limits, East from Third to Hawkins, Hawkins from San Benito to Sally, Third from San Benito to East, Fifth from Powell to Line, and Line from Fifth to Fourth.

SUNNYVALE, Santa Clara Co., Cal.—City council declares intention (311) to improve portions of Washington Ave., Evelyn Ave., Bay View Ave., etc., involving grading; 2-in. Warrentite-Bit surface pavement on 3-

in. asph. conc. base; cem. conc. curbs, gutters; 4-in. cem. conc. pipe sewer laterals; $\frac{3}{4}$ -in. water main connections corr. galv. culverts; cem. pipe storm water sewers. 1911 Act. Bond Act 1915. Hearing March 17. Ida Trubschenck, city clerk.

VISALIA, Tulare Co., Cal.—City council declares intention (134-C) to improve north half of East Mineral King Ave., bet. East St. and east city limits; south half of East Mineral King Ave., bet. East St. and point 1057 ft. east of East St.; South Tipton St., bet. East Mineral King Ave., and point 20 ft. north of Griffiths Tract and Shaver's Addition, involving hyd. conc. curbs, driveways and sidewalks. 1911 Act. Bond Act 1915. Hearing March 10. Ida Markham, city clerk.

VISALIA, Tulare Co., Cal.—City council declares intention (135-C) to improve East Mineral King Ave. and West Mineral King Ave., bet. South Conner and South Conyer Sts., and South Conner St., bet. Mineral King Ave. and bridge over Mill Creek, involving grading; 4-in. asph. conc. pave with $1\frac{1}{2}$ -in. (granular surface type) Warrentite-Bit. surface; hyd. conc. curbs, butters, catchbasins; storm sewer. 1911 Act. Bond Act 1915. Hearing March 10. Ida Markham, city clerk.

LOS ANGELES, Cal.—Geo. R. Curtis Paving Co., 2440 East 26th St., Los Angeles, at \$23,968 submitted low bid to Board of Public Works to improve streets in Bellevue Ave. and Laveta Terrace Improvement District, involving grading, \$25,000; 215,000 sq. ft. 8-in. conc. pave., \$159 sq. ft.; storm drains; san. sewer, etc.

LODI, San Joaquin Co., Cal.—City council plans to form paving district in Cherokee Lane to finance paving full width in accordance with plans of the state highway commission. Road will be widened from Calaveras river bridge to Harney Lane including the rebuilding of approaches to the Mokelumne river bridge and widening north of the bridge as far as the Houston school. Lodi city council and San Joaquin county supervisors will provide \$10,000 to pave the 56 ft. highway through Lodi, leaving the property owners to finance the balance.

LOS ANGELES, Cal.—Dalmatin & Nikevich, 841 West 62nd St., Los Angeles, at \$178,982 submitted only bid to Board of Public Works to improve streets in 218 St. and Halldale Ave. Improvement District, involving in the main grading; 296,500 sq. ft. 6-in. conc. pave.; sanitary sewer; water system, etc.

SACRAMENTO, Cal.—Until March 13, 5 P. M., (to be opened 8 P. M.), bids will be received by H. G. Denton, city clerk, (2295) to improve alley between S and T, 26th and 27th Sts., involving c. i. drains vit. sewers; reconstruct manhole; grade; 1-in. water main connections; hydraulic concrete pavement. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. B. C. Clark, city engineer.

TRACY, San Joaquin Co., Cal.—Until March 11, 8 P. M., bids will be received by George L. Frerichs, city clerk, (130) to improve streets bet. East and West Sts. and the Southern Pacific R. R. and 11th St., involving grading; 4-in. cementing gravel pave. on earth sub-grade with 3-in. asph. conc. surface; concrete curbs, gutters; 4-in. vit. clay sewer pipe; $\frac{3}{4}$ -in. galv. water service; cem. conc. sidewalks. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. E. T. A. Bertlett, city engineer.

CALAVERAS COUNTY, Cal.—Following bids received Feb. 26 by State Highway Commission to grade and surface with crushed run base and untreated gravel or stone surface, 2.8 miles between $1\frac{1}{2}$ miles north of $1\frac{1}{2}$ miles south of Calaveritas Creek:

Larsen Bros., Galt.....	\$45,494
Mathews Const. Co., Sacto.....	48,803
Chiergis & Sutros, S. F.....	50,087
W. H. Hauser, Oakland.....	53,582
H. Mstreet & Bell, Marysville.....	55,660
Tieslau Bros., Berkeley.....	56,407
W. C. Colley, Berkeley.....	56,776
M. J. Bevanda, Stockton.....	56,786
A. J. and J. L. Fairbanks, S. F.....	58,963
Kennedy & Bayless, Oakland.....	59,000
A. Telchert & Son, Inc., Sacto.....	62,105
Lord & Bishop, Sacramento.....	67,566

GLENN COUNTY, Cal.—Until Mar. 26, 2 P. M., bids will be received by State Highway Commission to pave with Port. cement concrete 5.2 miles between Logandale and Willows. C. H. Purcell, state highway engineer.

See call for bids under official proposal section in this issue.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City defeats proposal to issue bonds of \$20,000 to finance paving Orange Avenue.

SAN JOSE, Santa Clara Co., Calif.—A. J. Ralsch, 46 Kearny St., San Francisco, at \$22,000 awarded contract by county supervisors to improve the Ferguson Road, involving: 198,500 sq. ft. of macadam pavement. Complete list of bids follows:

Granite Construction Co., Watsonville.....	\$23,957
San Jose Paving Co., San Jose.....	24,200
L. A. Bachelder, San Jose.....	24,995
O. G. Ritchie, San Jose.....	27,140
W. A. Dontanville, Salinas.....	29,900
Surveyor's estimate.....	27,140

SAN MATEO, San Mateo Co., Cal.—Guerin Bros., 2940 San Jose Ave., San Francisco, at \$470 awarded contract by city for grading East San Mateo Park at Monte Diablo Ave and North Eldorado St. Following is a complete list of bids: Guerin Bros., \$470; Chas. Cruthers, \$530; Meyer Rosenberg, \$480; J. P. Lauder, \$566; Diamond Constr. Co., \$600; C. L. Jordan, \$625; M. M. Ball, \$700; L. J. Immel, \$750.

MARTINEZ, Contra Costa Co., Cal. County supervisors petitioned to widen Treat Lane in Ygnacio Valley. Road is now 20-ft. wide and the petition seeks widening to 40-ft. from shoulder to shoulder. It is 4,700-ft. long. R. R. Arnold is county surveyor.

DO NOT RISK AN EXPERIMENT

SPECIFY -- USE

Timpie Hydrated Lime

STRONG—PURE—PLASTIC

Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT, AND SAND FLOAT FINISH

Sold by Representative Dealers Everywhere

SAN JOSE, Santa Clara Co., Calif.
 A. J. Ralsch, 46 Kearny St., San Francisco, at \$10,850 awarded contract by county supervisors to improve the Dempsey Road, involving: 140,150 sq. ft. oil macadam paving. Complete list of bids follows:
 A. J. Ralsch, San Francisco.....\$10,850
 L. A. Bacheider, San Jose.....13,446
 Tiffany, McReynolds & Tiffany.....13,500
 O. G. Ritchie, San Jose.....13,665
 W. A. Dontanville, Salinas.....13,759
 U. B. Lee.....14,471
 San Jose Paving Co., San Jose.....15,388
 Surveyor's estimate.....12,200

SAN JOSE, Santa Clara Co., Calif.
 A. J. Ralsch, 46 Kearny St., San Francisco, at \$3,000 awarded contract by county supervisors to improve the Singleton road, involving: 46,000 sq. ft. oil macadam paving. Complete list of bids follows:
 A. J. Ralsch.....\$3,000
 Granite Const. Co., Watsonville.....3,580
 O. G. Ritchie, San Jose.....3,875
 Tiffany, McReynolds & Tiffany.....3,875
 U. B. Lee.....4,790
 San Jose Paving Co., San Jose.....5,463
 Surveyor's estimate.....3,370

BERKELEY, Alameda Co., Cal.—
 Lee J. Immel, 1031 Evelyn St., Berkeley, at \$1500 awarded contract by City for curbs around Center Park. Following is a complete of bids:
 L. J. Immel.....\$1500
 J. H. Fitzmaurice, Oakland.....1750
 Oakland Paving Co., Oakland.....1775
 Schnoor Bros., Oakland.....1785
 Hutchinson Co., Oakland.....2187

SAN FRANCISCO.—Bureau of Engineering, Department of Public Works, completes specifications to improve Harrison street and 2nd street and east line of Essex street, involving: 4000 cu. yds. excavation; 811 lin. ft. armored concrete curbs; 650 sq. ft. 2-course concrete sidewalks; 429 lin. ft. 12-in. V.C.P. sewer; nine 12x8-in. wye or T branches; 236 lin. ft. 6-in. V.C.P. sewer; 3 brick manholes; 3 hr. catchbasins; 54 lin. ft. 10-in. V.C.P. culvert; 15,090 sq. ft. class E concrete pavement; 2,058 sq. ft. conc. pave., consisting of 2-in. asph. conc. surface on 6-in. class F conc. base. Total estimated cost \$10,800. City will pay \$2-, 000 of cost.

SAN JOSE, Santa Clara Co., Calif.
 A. J. Ralsch, 46 Kearny St., San Francisco, awarded contract by city council (4955) to improve 33rd St. bet. San Fernando and San Antonio Sts., involving grade; 1½-in. asph. conc. surface on 3-in. asph. concrete base pave.; conc. curbs, gutters, walks; 4-in. vit. san. house lateral sewers.

BERKELEY, Alameda Co., Cal.—
 Lee J. Immel, 1031 Evelyn St., Berkeley, at \$586 awarded contract by city (647) to improve portions of Boynton Ave. from a point 193 ft. eas. of Arlington Ave., east and southeast 1027 ft., involving grade; oil macadam pavement; curbs, gutters, walks; vitrified pipe connections and highway guard fence. Following is a complete list of bids:
 L. J. Immel, Berkeley.....\$5986
 J. H. Fitzmaurice, Oakland.....6813
 Oakland Paving Co., Oakland.....6947
 Schnoor Bros., Oakland.....7163
 Hutchinson Co., Oakland.....7747

OAKLAND, Alameda Co., Cal.—
 Plans and specifications have been adopted by City of Oakland Port Commission, 525 Oakland Bank Building, for paving deck of apron wharf in Outer Harbor Terminal, Wharf Extension. Bids will probably be opened March 10, 4:30 P. M.

RED BLUFF, Tehama Co., Calif.—
 Tehama county business interests are

conferring with the county supervisors seeking formation of a road district to finance improvement of the Red Bluff-Eureka Highway with a view to making it a direct route from Reno, Nevada, to the coast. The formation of the district comprising Shasta, Trinity, Humboldt and Tehama counties, has been proposed as the most practical means. If Trinity and Shasta counties do not join, Humboldt and Tehama counties may decide to carry the entire burden.

LOS ANGELES, Calif.—Until 10 A. M., March 12, bids will be received by the board of public works, for paving, grading, etc., on Venice Blvd., bet. Sierra Bonita Ave. and Cadillac Ave., involving: grading (\$831 cu. yds. 140 cu. yds. fill); 114,513 sq. ft. 8-in. conc. pave.; 2773 sq. ft. 4-in. asph. conc. wearing surface; 19,344 sq. ft. oiled rdwy.; storm drain; curbs, walks, etc.

SAN JOSE, Santa Clara Co., Calif.—
 City declares intention (5026) to improve Ryland St. bet. San Pedro and Santa Teresa St., etc., involving grading; 1½-in. asph. concrete surface on 3-in. asph. conc. base pavement; concrete curbs, gutters; 8-in. vit. pipe drains; 4-in. vit. pipe lateral connections; 6-in. vit. san. sewers. 1911 Act. Bond Act 1915. Hearing March 17. John J. Lynch, city clerk. Wm. Popp, city engineer.

SACRAMENTO, Calif.—Until March 13, 5 P. M., (to be opened 8 P. M.), bids will be received by H. G. Denton, city clerk, (2296) to improve alley between W and X, Alhambra Blvd. and 32nd St., involving c. i. drains; vit. pipe sewers; 1-in. water main connections; grading; hyd. concrete pavement. 1915 Bond Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. B. C. Clark, city engineer.

VENTURA, Ventura Co., Cal.—The County Supervisors will probably ask for bids within the next few weeks for the paving of the highway between Simi and Moorpark. Est. cost, \$30,000. C. W. Petit, county surveyor.

SAN RAFAEL, Marin Co., Cal.—
 County supervisors petitioned to improve roads in the Nicasio district. Referred to County Surveyor Rodney Messner for report.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on March 26, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Glenn County, between Logandale and Willows (H-1-Gle-7-A), about five and two-tenths (5.2) miles in length, to be paved with Portland cement concrete.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted

from a Contractor to whom a proposal form has not been issued by the Department of Public Works.
 Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirement and Conditions" annexed to the blank form of proposal, for full direction: as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed to be the best interests of the State.
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF HIGHWAYS
 C. H. FURCELL,
 State Highway Engineer

Dated February 26, 1930.

ADVERTISEMENT FOR BIDS

Subject to conditions prescribed by the undersigned, sealed bids are invited for (a) The Central Heating Plant Building; (b) The Utility Tunnel Connection, and (c) combined proposals on items (a) and (b), on the campus of the University of California, Berkeley, California. No bid will be received after 11:00 A. M. Monday, February 24, 1930; the right to reject any and all bids is reserved. For full information apply at Cashier's Window, California Hall, University of California, Berkeley. A deposit of \$100.00 is required for each set of Drawings and Specifications for item (a), a deposit of \$25.00 is required for each set of Drawings and Specifications for item (b).
 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

LUMBER FOR JAPAN

Two hundred forty million board feet of Russian lumber will be imported into Japan in 1930, if a preliminary agreement between the Soviet and Japanese governments recently reported to the lumber division of the Department of Commerce Assistant Trade Commissioner Howard B. Titus, of Tokyo, is consummated. The agreement, according to Mr. Titus, calls for the sale of 75 per cent of this lumber through one of the largest lumber concerns in Japan, and the balance by the Soviet Government. The Japanese firm will advance 70 per cent of the current market price when the lumber is shipped and will pay the balance after it is sold. This new agreement, according to advices, supersedes the former agreement between the Japanese government and another Japanese firm.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Am't.
245	Antonlioli	Owner	17000
246	Grahn	Owner	20000
247	Kane	Barrett	4000
248	Weaver	Anderson	1250
249	Cooper	Owner	4900
250	Gardner	Owner	3000
251	Janssen	Owner	19000
252	Laplace	Petz	6000
253	Peterson	Owner	8000
254	Western	Industrial	5000
255	Buckley	Realty	1750
256	Costello	Owner	7000
257	Metropolitan	Barrett	140000
259	Campbell	Owner	4000
260	Canellos	Mullen	3600
261	Leask	Owner	4000
262	Meyer	Owner	3000
263	Meyer	Owner	8000
264	Roman	Rasori	70000
265	San Francisco	Owner	12000
270	Dickmann	Barsotti	3250
271	Kehl	Stevenson	1500
272	Seeliger	Hardy	3000
273	Stoneson	Owner	3500

ALTERATIONS

(244) SW COR. STOCKTON and O'Farrell Sts.; alterations to store and building entrance.
Owner—The Abraham's Co., Stockton and O'Farrell Sts.
Architect—A. G. Hall, 4425 View St., Oakland. \$1200

PARTMENTS

(245) N FRANCISCO 118 E Baker; three-story and basement frame (3) apts.
Owner—E. Antonlioli, 2366 Francisco Street.
Plans by Owner. \$17,000

DWELLINGS

(246) W PENINSULA AVE. 155 S. Lathrop; five 1-story and basement frame dwellings.
Owner—W. H. Gahn, 2965 Mission St.
Architect—None. each \$4000

ALTERATIONS

(247) NE BUSH ST. & GRANT Ave.; alterations and additions to stores.
Owner—J. M. Kane, 1900 Vallejo St.
Architect—E. A. Eames, 353 Sacramento St.
Contractor—Barrett & Hulp, 918 Harrison St. \$4,000

ALTERATIONS

(248) 1943 TURK ST.; alterations and additions to dwelling.
Owner—Mr. Weaver, 1943 Turk St.
Architect—None.
Contractor—P. Anderson, 4082 Army Street. \$1250

DWELLING

(249) W 30th AVE. 300 N Santiago; one-story and basement frame dwelling.
Owner—H. R. Cooper, 828 Taylor St.
Architect—None. \$4900

DWELLING

(250) SE RAYMOND & DELTA Sts.; one-story and basement frame dwelling.
Owner—K. C. Gardner, 335 Raymond Avenue.
Plans by Owner. \$3000

LATS

(251) S TOLEDO 267 W Mallorca; two 2-story and basement frame (2) flats.

Owner and Builder—E. A. Janssen, 811 Hearst Bldg.
Plans by Owner. each \$8,000

DWELLINGS

(252) NE JERROLD 25 NW Mendel; two 1-story and basement frame dwellings.
Owner—P. Laplace, 1514 Jerrold.
Architect—None.
Contractor—P. Fetz, 326 Wilde Ave. each \$3000

DWELLINGS

(253) E 31st AVE. 150 S Irving St.; two 1-story and basement frame dwellings.
Owner and Builder—A. Peterson, 1620 8th Ave.
Architect—None. each \$4000

ALTERATIONS

(254) 680 FOLSOM ST.; alterations to remove partitions.
Owner—Western Electric Co.
Architect—None.
Contractor—Industrial Const. Co., 815 Bryant St. \$5000

ALTERATIONS

(255) NO. 35 EL PLAZUELA. Alter dwelling.
Owner—E. M. Buckley, Premises.
Architect—L. J. Klein, 222 Kearny St. San Francisco.
Contractor—Really Constr. Co., 222 Kearny St., San Francisco. \$1750

DWELLINGS

(256) W SEVENTEENTH AVE 196. N Lawton. Two one-story and basement frame dwellings.
Owner—M. Costello, 821 34th Ave., San Francisco.
Architect—None. \$3500 each

PRINTERS' BLDG.

(257) NW SANSOME AND MERCANT St. Nine-story reinforced concrete printers' building.
Owner—Metropolitan Properties Co., 426 Battery St., San Francisco.
Architect—Willis Polk & Co., 277 Pine St., San Francisco.
Contractor—Barrett & Hulp, 918 Harrison St., S. F. \$140,000

DWELLING

(258) E TWENTY-SECOND AVE 200. S Rivera. One-story and basement frame dwelling.
Owner—Standard Bldg. Co., 218 Cas-troville St., San Francisco.
Architect—None. \$4000

DWELLING

(259) LOT 39 BLK 2914 Laguna Honda Park Addn.; one-story and basement frame dwelling.
Owner—J. V. Campbell, 1072 Bryant Street.
Architect—None. \$4000

ALTERATIONS

(260) 3200 FULTON ST.; alterations to store for coffee shop.
Owner—Chris Canellos, 3200 Fulton St.
Architect—None.
Contractor—Mullen Mfg. Company, 60 Rausch St. \$3600

DWELLING

(261) NE 30th AVE. and Kirkham; 1-story and basement frame dwelling.
Owner—G. Leask, 197 Parker Ave.
Architect—None. \$4000

DWELLINGS

(262) E 21st AVE. 25 N Wawona; two one-story and basement frame dwellings.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Plans by Owner. each \$4,000

DWELLINGS

(263) W 21st AVE. 25 N Wawona; 2 one-story and basement frame dwellings.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Plans by Owner. each \$4,000

SCHOOL

(264) NE 18th AVE. & VICENTE; 2-story & basement reinforced concrete school.
Owner—Roman Catholic Archbishop, 1100 Franklin St.
Architect—H. A. Minton, Underwood Bldg.
Contractor—S. Rasori, 614 Call Bldg. \$70,000

DWELLINGS

(265) SW 43rd AVE. & KIRKHAM; four 1-story and basement frame dwellings.
Owner—San Francisco Home Building Co., 2742 Mission St.
Architect—C. F. Strothoff, 2274 15th Avenue. each \$3000

DWELLINGS

266 Murphy Owner 3000
267 Roos Dinwiddie 5500
268 Stalin Owner 4000
269 Wesendunk Owner 4000

ALTERATIONS

(266) 3851 CLAY ST.; alterations to dwelling, stucco finish, etc.
Owner—L. T. Murphy.
Architect—None. \$3000

ALTERATIONS

(267) NW COR. BUSH & MONTGOMERY STS.; alter store.
Owner—Roos Bros.
Plans by Grand Rapids Store Equip. Co., 1562 Russ Bldg.
Contractor—Dinwiddie Const. Co., 1101 Crocker Bldg. \$5500

DWELLING

(268) S VICENTE 27 W 15th Ave.; one-story and basement frame dwelling.
Owner—G. O. Stalin, 2020 Taraval St.
Architect—None. \$4000

DWELLING

(269) NW WOOLSEY 115 SW San Bruno; one-story and basement frame dwelling.

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street

Sacramento - California

Owner—A. A. Wesendunk Jr., 1625 San Jose Ave.
Architect—None. \$4000

DWELLING
(279) S QUESADA 237 E Lane St.; 1-story and basement frame dwelling.

Owner—H. Dieckmann, 1566 Quesada Avenue.
Architect—None.

Contractor—A. Barsotti, 1512 Quesada Avenue. \$3250

REPAIRS

(271) 1072 KANSAS ST.; repair fire damage to dwelling.

Owner—R. Kehl, 1072 Kansas St.

Architect—None.

Contractor—L. H. Stevenson, 130 Mercad Ave. \$1900

ALTERATIONS

(272) 3318 MISSION ST.; alterations to market.

Owner—L. M. Seeliger, 1429 Page St.

Architect—None.

Contractor—A. M. Hardy, 212 Ritch Street. \$3000

DWELLING

(273) NE ACACIA & MONTEREY Blvd.; one-story and basement frame dwelling.

Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena Ave.

Architect—C. F. Strothoff, 2274 15th Street. \$3500

BUILDING CONTRACTS

San Francisco County

45 Tosch	Smith	2448
47 Roman	Rasori	70090
48 Newson	Erickson	16800

SCHOOL

(47) NE COR. 11th AVE & Vicenti; all work on St. Cecilia School.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.

Architect—H. A. Minten, Underwood Bldg.

Contractor—S. Rasori, Call Bldg.

Filed March 5, '30. Dated March 4, '30
1st of each month. 75%
Usual 35 days. 25%

TOTAL COST, \$70,090

Bonds, 1st, \$70,090; 2nd, \$7,010, for guarantee of replacement of faulty material. Sureties, Aetna Casualty & Surety Co. Forfeit, \$50. Limit, Aug. 1, 1930.

BUILDING

(48) S MARINA BLVD. 389,686 W Fillmore St.; all work on 2-story and basement frame building.

Owners—Mr. and Mrs. Geo. W. Newson, Mills Bldg.

Architect—None.

Contractor—H. Erickson, 972 Chenery Street.

Filed March 5, '30. Dtd March 1, '30

Frame up. \$4200

Scratch coat on. 4200

Completed. 4200

Usual 35 days. 4200

TOTAL COST, \$16,800

Limit, 120 days. Plans and Specifications filed. Permit applied for.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
Powell E 113 S 92-6 SW 61-6%	
NW 108 E 40-9%. Sommer and Kaufmann Inc to California Electrical Const Co.	Feb. 20, 1930
Feb. 27, 1930—W 30th AVE 175 S Kirkham 25x120. Gordon and Belle Leask to whom it may concern.	February 18, 1930

Correction in Location

Feb. 26, 1930—E 42nd AVE, S Lincoln Way, No 1246 42nd AVE.

F and G Donoghue to Wm Horst-meyer. February 24, 1930
Feb. 26, 1930—SW BOWDOIN 200 NW Felton NW 25x5E 120 Lot 13

Feb. 22, Map Ppty Railroad Ave Hd Assn. William F and Gertrude Bernell to whom it may concern

Feb. 21, 1930

Feb. 26, 1930—NO. 57 POST ST. Mechanics Institute to Western Metal Mfg Corp. Feb. 19, 1930

Feb. 26, 1930—NE FELL AND Baker N 50x E 100. General Petroleum Corp of Calif. to Walter A Hoff Landscape Organization.

Feb. 21, 1930

Feb. 26, 1930—E TWENTY-SECOND Ave 193 N Noriega N 25 x E 120. Robert Nell to whom it may concern.

Feb. 26, 1930

March 1, 1930—NE FELL & BAKER N 50 x E 100. General Petroleum Corp of California to Lindgren & Swinerton, Inc. February 26, 1930

March 1, 1930—SW FIRST ST and SE Tehama St SE 75 x SW 182. M A Phillips to Spencer Elevator Co.

February 24, 1930

March 1, 1930—E 20th AVE 200 N Quintara N 25 x E 120. John E and Ethel M McCarthy to whom it may concern.

February 25, 1930

Feb. 25, 1930—ULLOA ST and Rock-away Laguna Honda Park. The Roman Catholic Archbishop of San Francisco to Barrett & Hilp.

January 18, 1930

Feb. 28, 1930—E FLORIDA 125 S Mariposa th al E Florida 32 E 80 N 32 W 80. The Best Foods, Inc to Spencer B Bagge as Industrial Const Co.

February 19, 1930

Feb. 28, 1930—N BEAVER 145 W Castro. Geo J Meagher to whom it may concern.

Feb. 21, 1930

Feb. 23, 1930—W MOULTRIE 51-54 N Crescent N 25x W 70. Bridget and Wm Quinn to whom it may concern.

Feb. 26, 1930

Feb. 27, 1930—S ELLIS 163-1 E Powell E 113 S 92-6 SW 61-6% NW 108 E 40-94. Sommer and Kaufmann Inc to U S Metal Products Co.

February 15, 1930

Feb. 27, 1930—S ELLIS 163-1 East Powell E 113 S 92-6 SW 61-6% NW 108 E 40-94. Sommer and Kaufmann Inc to Conlin & Roberts

February 18, 1930

March 4, 1930—SE RUTLAND ST 50 SW Harkness Ave. Wm Hansberg to Self.

March 4, 1930

March 4, 1930—NE CLIPPER AND Church N 31-6 x E 101-10. Louise and Laurence Carles to whom it may concern.

March 1, 1930

March 4, 1930—W 15th AVE 25 N Wawona N 25 x W 90. C O Blincoe to whom it may concern.

March 1, 1930

March 4, 1930—W DELMAR 195 S Frederick S 45 x W 80 lot 46 blk 1270 Assessor's Map. Thomas G Nealon to Michael & Bommer

March 1, 1930

March 3, 1930—E 23rd AVE 225 S Moraga St known as No 1738 23rd Ave. E A Anderson to whom it may concern.

February 28, 1930

March 3, 1930—S TURK 175 E Mesquite Ave. Eugenio Musante to whom it may concern.

March 1, 1930

March 3, 1930—LOT 40 BLK 5802 St Mary's Park. The Roman Catholic Archbishop of San Francisco to Andrew R Johnson.

Feb. 21, 1930

March 1, 1930—NE BEALE 184-2 SE Market SE 40-2 x NE 137-6. P G & E Co to E Anderson.

February 24, 1930

LIENS FILED

San Francisco County

Recorded	Amount
March 1, 1930—W CASTRO ST 26-6 N Valley St N 25 x W 105. M J Lynch vs Thos Krstovich.	\$185

Feb. 28, 1930—W TWENTIETH 105 E Noe E 25xN 114. M I Lynch vs John and Mabel Lambert.

\$300

Feb. 28, 1930—N HUDSON AVE and Lane NW 60 x NE 100 ptn block 140. Central Park Hd Assn. Vincenzo and Adolfo Corruccini vs L Martinelli or Lorenzo and Julia Martinelli.

\$1412

Feb. 28, 1930—N MARKET and SW Marshall Square SW 25 NW 60 70 1 E 30.51 SE 42.694. Leroy Olson Co vs E Chelini. Geo T Marve, Jr, M D Marie, United Cigar Stores.

\$56

Feb. 27, 1930—N LIBERTY 130 E Sanchez E 25 x N 114. B Milano as Daly City Lime & Cement Co vs E Evangelisti, F and G Marvacchini.

\$547.55

Feb. 26, 1930—NW COR. 28th and Noe approx 25x80, ptn blk 6603, Assessor's map. James Young & David Broom vs O E Evans.

\$34

March 4, 1930—NW COLUWY ND Austin N 60 x W 84-6. Thos P Hogan Jr and J R Anderson as T P Hogan Co vs Martin and Anna Coffey.

\$1647.50

March 3, 1930—NW 28th and Noe 25x80. B Milano, Daly City Lime & Cement Co vs O E Evans.

\$56.3

March 3, 1930—LOTS 1A, 1B and 1C, Bk 7032 map Sub No 2, Geneva Terraces, San Francisco Terrazzo Assn vs Alfred J Kronquist.

\$23

March 3, 1930—W DIAMOND 58 N 26th N 31 x W 80 No 1188 Diamond. W B Jefferson as The Greater City Lumber Co vs M and F A Johnson and J H Payne.

\$20

RELEASE OF LIENS

San Francisco County

Recorded	Amount
March 1, 1930—S NEY 75 W Crant W 25 x S 85. Atlas Heating and Ventilating Co, Inc to N P Escobar	

March 1, 1930—SE MOSCOW 175 NE Brazil NE 25 x SE 100. The Greater City Lumber Co to J F and N Dillon

Feb. 28, 1930—SW ITALY AVE & Paris SW 25xNW 75 Lot 5 Blk 4.

Excl Hd Assn. B. Elniotta & Co, E W Wright & Co to Gustave A Johnson

Feb. 28, 1930—S NEY 75 W Crant W 25x S Ptn Blk 3, College Hd Association. J Pellini; A L Stockton Lumber Co; M Denike; Frank Bartolini (as The Light Shop); Peter Battaglia, Chas Le Guennee and J Casey (as Square Deal Floor Co); Davidson & Sons to Nellie P Escobar and R N Gibson.

Feb. 28, 1930—S EDDY 75 E Mason E 62-6 S 193-5% W 25 N 80 W 43-6 N 137-6. H A Wehlie to W B Wagnon, Marion Davies Theatre Co and Electric Salesman Mfg Co.

\$1702.

Feb. 27, 1930—N 19th 40 E Hampshire B 35 x N 100. M Berman to A and Jane Doe GUSTO. V Mas

Feb. 27, 1930—SW ITALY AVE and Paris SW 25 x NW 75 lot 5 blk 4. Excelsior Hd Assn. Guarantee Title Co, A Band, Oak Floor Co Ole G Windell, Pacific Sheet Metal & Furnace Co to Gustave A Johnson

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amount
205	Brown	Owner	31
206	Menezes	Owner	4
207	Creon	Rich	61
208	Glurond	Owner	530
209	Richardson	Daneri	530
210	Trimlett	Owner	0

211	Anderson	Owner	2750
212	Morgensen	Owner	6000
213	Sundblom	Kolmodin	4750
214	American	Owner	5000
215	Niehtens	Theile	4200
216	Brown	Owner	4500
217	California	Owner	1000
218	Clark	Waldman	3150
219	Fish	Owner	5250
220	Osbourne	Fleming	4850
221	Wooley	Owner	3200
222	Hughes	Owner	3000
223	Oakland	Owner	15000
224	Sears, Roebuck	Electrical	1150
225	Staehle	Duerr	1500
226	Felt	Felt	4500
227	Flinn	Owner	3800
228	Southern	Owner	1800
229	Vallance	Weeks	5300

RESIDENCE
(205) 1215 COLUSA AVE., Berkeley;
two-story 6-room 1-family frame
residence.
Owner and Builder—Brown & John-
son, Builders' Exchange, Oakland.
Architect—None. \$3,000

RESIDENCE
(206) 1011 KIETH AVE., Berkeley;
two-story 5-room 1-family frame
residence.
Owner and Builder—F. & E. Meneze,
1030 Keith Ave., Berkeley.
Architect—None. \$4,000

DWELLING
(207) N CREED ROAD, 140 W Tres-
tle Glen Road, Oakland; one-story
6-room dwelling.
Owner—Arthur Creon.
Architect—None.
Contractor—Jas. L. Rich, 556 37th St.,
Oakland. \$6500

DWELLING
(208) 815 BROOKWOOD ROAD, Oak-
land; one-story 5-room dwelling.
Owner and Builder—Carl Glorud, 3912
Greenwood Ave., Oakland.
Architect—None. \$4500

APARTMENTS
(209) W ATHOL AVE. 500 S Haddon
Road, Oakland; three-story 69-
room apartments.
Owner—W. Richardson, San Leandro.
Architect—L. F. Hyde, 372 Hanover
Ave., Oakland.
Contractor—J. Daneri, 6515 Raymond
St., Oakland. \$50,000

DWELLING
(210) 4326 FLEMING AVE., Oakland;
one-story 5-room dwelling and 1-
story garage.
Owner and Builder—Robert Trimlett,
4330 Fleming Ave., Oakland.
Architect—None. \$4050

DWELLING
(211) E CANON Ave. 250 N Hopkins,
Oakland; one-story 5-room dwell-
ing.
Owner and Builder—Chas. Anderson,
2142 25th Ave., Oakland.
Architect—None. \$2750

DWELLING
(212) 5715 ROSS ST., Oakland; one-
story 6-room dwelling.
Owner and Builder—Morgensen Bros.,
5664 Broadway, Oakland.
Architect—None. \$6000

DWELLING
(213) 5433 CAMDEN ST., Oakland;
one-story 6-room dwelling and 1-
story garage.
Owner—F. O. Sundblom, 2754 Foothill
Blvd., Oakland.
Architect—None.
Contractor—Harry Kolmodin, 2610
62nd Ave., Oakland. \$4750

TORHOUSE
(214) 1331 SIXTH ST., Berkeley; 1-
story frame storehouse.
Owner—American Development Co.,
313 Financial Center Bldg., San
Francisco.

Architect—Not Given.
Contractor—Daniel O'Neill, 273 Minna
St., San Francisco. \$5000

DWELLING
(215) 2440 BAY ISLAND AVE., Ala-
meda; one-story 6-room frame &
stucco dwelling.
Owner—H. G. Mehrten, 1536 Webster
St., Alameda.
Plans by Owner.
Contractor—F. J. Theile, 1423 Park
St., Alameda. \$4200

DWELLING
(216) SE COR. 89th AVE. and Hill-
side St., Oakland; one-story 6-
room dwelling and 1-story garage.
Owner and Builder—W. W. Brown,
8327 Golf Links Road, Oakland.
Architect—None. \$4500

FOUNDATION
(217) 751 46th AVE., Oakland; con-
crete foundation.
Owner and Builder—California North-
ern Corp., Ray Bldg., Oakland.
Architect—None. \$1000

DWELLING
(218) 1501 101st AVE., Oakland; one-
story 5-room dwelling and 1-story
garage.
Owner—Clark & Moore, 4650 E 14th
St., Oakland.
Architect—None.
Contractor—A. E. Waldman, 331 17th
St., Oakland. \$3150

DWELLING
(219) NW COR. 23rd AVE. and East
32nd St., Oakland; one-story 8-
room 2-family dwelling.
Owner and Builder—L. C. Fish, 1449
3rd Ave., Oakland.
Architect—None. \$5250

DWELLING
(220) S PEACH ST. 75 E 94th Ave.,
Oakland; one-story 9-room 3-fam-
ily dwelling.
Owner—Laura Osbourne, 2250 94th
Ave., Oakland.
Architect—None.
Contractor—John Fleming, 4261 Sut-
ter St. \$4850

DWELLING
(221) 3338 64th AVE., Oakland; one-
story 5-room dwelling and garage.
Owner and Builder—Fred T. Wooley,
3936 Vale Ave., Oakland.
Architect—None. \$3200

RESIDENCE
(222) NO. 1650 SACRAMENTO ST.,
Berkeley. One-story 5-room 1-
family frame residence.
Owner—Hughes & Beach, 902 Wash-
ington St., Oakland.
Architect—None. \$3000

ALTERATIONS
(223) SE COR 16th and SAN PABLO
Ave., Oakland; alterations.
Owner and Builder—Oakland Building
& Loan Assn.
Architect—Wm. E. Schirmer, 700 21st
St., Oakland. \$15,000

SIGN
(224) SW cor. 26th & TELEGRAPH
Ave., Oakland; electric sign.
Owners—Sears, Roebuck Co.
Architect—None.
Contractor—Electrical Products Corp.,
950 30th St., Oakland. \$1150

ALTERATIONS
(225) 2112 48th Ave., Oakland; alter-
ations and additions.
Owner—Mrs. Walter Staehle, 4800 Mel-
rose Ave.
Architect—None.
Contractor—F. C. Duerr, 2761 68th
Ave., Oakland. \$1500

(226) NO. 2050 MCGEE AVE., Ber-
keley. One-story 8-room 2-family
frame residence.
Owner—Mrs. B. Felt, 987 San Pablo
Ave., Albany.
Architect—W. K. Bortges, 1611 Posden
Ave., Berkeley.
Contractor—F. H. Felt, 987 San Pablo
Ave., Albany. \$4500

DWELLING
(227) E SHEFFIELD 400 NE 29th St.,
Oakland; one-story 5-room dwell-
ing.
Owner and Builder—Chris Flinn, 420
Wayne Ave., Oakland.
Architect—None. \$3800

TOWER
(228) FIRST & FRANKLIN Streets,
Oakland; one-story steel tower.
Owner and Builder—Southern Pacific
Co., Oakland Pier.
Architect—None. \$1800

APARTMENTS
(229) E GLENN AVE., 375 E Pied-
mont Ave., Oakland; three-story
54-room apartments.
Owner—John Vallance, 29 Glenn Ave.,
Oakland.
Architect—None.
Contractor—Weeks Const. Co., 1715
University Ave., Berkeley. \$53,000

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
46	Berkeley	Bowman	8000
47	International	Dwan	4200
48	Berkeley	MacDonald	12873

DEMOLISH & REMOVE
(46) SW COR. SHATTUCK Ave. and
Kittredge St., Berkeley; demolish
and remove main library building.
Owner—City of Berkeley.
Architect—None.
Contractor—Ed. Bowman, 231 Har-
vard St., San Francisco.
Filed Feb. 28, '30. Dated Feb. 14, '30.
Upon completion.....\$800
TOTAL COST, \$800
Bond, \$1,000. Sureties, Maryland Cas-
ualty Co. Limit, to commence within
10 days and to be complete within 30
days thereafter. Spec. filed.

TOILET PARTITIONS
(47) INTERNATIONAL HOUSE, U.
of C., Berkeley; metal toilet par-
titions with all hardware, fittings
and appurtenances.
Owner—International House (a corp.)
Architect—None.
Contractor—Dwan & Co., 534 6th St.,
San Francisco.
Filed Feb. 28, '30. Dated Feb. 24, '30.
Tenth of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$4200
Bond, \$2100. Sureties, Pacific Indem-
nity Co. Plans and Spec. filed.

BUILDING
(48) SAN PABLO PARK, bet. Ward
and Russell Sts., and Mabel and
Park Sts., Berkeley; all work on
recreation building.
Owner—City of Berkeley.
Architect—James W. Plachek, Mer-
cantile Bank Bldg., Berkeley.
Contractor—S. O. MacDonald & Co.,
2915 Denkin, Berkeley.
Filed March 1, '30. Dated Feb. 14, '30.
Every 30 days.....75%
Usual 35 days.....25%
TOTAL COST, \$12,873
Bonds, two, \$3175.75; \$6351.50. Sure-
ties, Maryland Casualty Co. Plans &
Spec. filed.

OAKLAND BUILDING SUMMARY

A. S. Holmes, chief building inspector of Oakland, reports the issuance of 266 building permits during the month of February, 1930, for improvements estimated to cost \$1,315,300. Following is a segregated report of the February activities:

Class of Bldgs.	No. Pmts.	Cost
1-story dwellings	32	\$ 114,450
1-sty 2-fam. dwellings	1	3,500
2-story dwellings	8	57,500
2-sty dwell. & store	1	4,000
3-story apartments	4	191,000
1-story warehouse	1	3,730
1-story comfort sta.	1	750
2-story office	1	5,000
1-story tile garage	1	1,000
1-story brick garage	1	3,000
1-story brick shed	1	1,000
1-story brick dye and cleaning works	1	1,250
3-story brick factory and warehouse	1	32,000
1-sty brick & tile shop	1	7,000
1-sty brick & tile store	1	5,500
1-story "garage"	1	1,000
1-story concrete depot	1	55,000
1-sty conc. trans. shed	1	165,440
10-story conc. apts.	1	525,000
Concrete foundation	1	500
1-story conc. and tile service station	1	59,650
1-story steel service station	1	500
1-story steel comfort station	1	250
Steel grease rack	1	650
Billboards	2	150
Roof sign	1	200
Electric signs	27	6,810
Marques	1	650
1-story gar. & sheds	62	13,967
Additions	41	14,331
Alters, and repairs	67	40,522
Total	266	\$1,315,300

COMPLETION NOTICES

Alameda County

Recorded	Accepted
Feb. 27, 1930—LOT 23 BLK M, Es-tudillo Estates, San Leandro. A R and Kate Tofanelli to Henning Carlson.....	February 20, 1930
Feb. 28, 1930—NE COR BANCROFT Way and Union St, Berkeley. M Y Parnay to E A Anloff.....	February 25, 1930
Feb. 28, 1930—2356 MARIN AVE, Berkeley. O M French to whom it may concern.....	February 18, 1930
Feb. 28, 1930—W LINE MYRTLE St 248-25 ft N West 14th St, Oakland. Estate of Edwin P Littlefield to Louis Erskin, A H Rose, Western Roofing Co, et al.....	February 15, 1930
Feb. 27, 1930—LOT F, 127, Fairway Estates, Oak Knoll, Oakland. Oak-Knoll Land Corp to Alfred Peterson.....	February 17, 1930
Feb. 27, LOTS 135 and 143 E 14th St Tract, Laura Knaugh to Wm Pruner (two completions).....	February 17, 1930
Feb. 26, 1930—LOTS 7 and 9, BLK A, Sims Road, Oakland. Wm H Sims to whom it may concern (two completions).....	Feb. 26, 1930
Feb. 27, 1930—2518 ROSE WALK, Berkeley. B F and Florence D Gray to Jos B Malmstrom.....	February 27, 1930
Feb. 26, 1930—3381 MORCOM AVE, Oakland. William Watson to Self.....	February 26, 1930
Feb. 26, 1930—LOT 4 BLK B, Re-sub Bk B of Smith's Subdiv of Mathews Tract, Berkeley. J R Langtry to whom it may concern.....	February 24, 1930
March 3, 1930—S LINE DELAWARE St 110 ft W Walnut St ptn lot 8 Bk A, Percy Tract, Berkeley. J M Kinley to whom it may concern.....	February 23, 1930
March 3, 1930—315 PARKVIEW Ter-	

race, Oakland. L & S Properties, Inc to Pacific Coast Building Co, Inc..... January 16, 1930

March 3, 1930—MARTINEZ ST, Bk 41, San Leandro, Gilmore Oil Co, Ltd to Jas H Pedgrift..... February 21, 1930

March 4, 1930—4857 PROCTOR AVE, Oakland. W A Netherby to whom it may concern..... February 23, 1930

March 4, 1930—909 PARAMOUNT Rd, Oakland. Oscar E Nelson to whom it may concern..... March 4, 1930

LIENS FILED

Alameda County

Recorded	Amount
Homestead, Oakland. H A Driscoll Co vs Thos G Jacques, Chris C Riewerts.....	\$2,991
Feb. 27, 1930—60 HAZEL LANE, Oakland. Scott-Buttner Elec Co vs P N and Mamie B Gardner.....	\$13.95
Feb. 27, 1930—LOT 70, Buena Vista, Oakland. E Steiner Co vs C C and Daisy Riewerts, Theo G Jacques.....	\$1583
Feb. 27, 1930—LOT 97 BLK 925, Lakeshore Highlands Tract, Oakland. James A Davis Co vs Leonard M Patterson, W J Biddle, Geo W Easterly.....	\$56.66
Feb. 27, 1930—LOT 97 BLK 925, Lakeshore Highlands Tract, Oakland. F P Hogan vs Leonard M and Carry W Patterson and W J Biddle.....	\$77.50
Feb. 27, 1930—LOT 97 BLK 925, Lakeshore Highlands Tract, Oakland. E Herschell, A Reimicke, \$66.50; Brookhurst Tile Co, \$401.78; W J Biddle, \$179.65, vs Leonard M Patterson and Geo W Easterly.....	
Feb. 27, 1930—LOT 97 BLK 925, Lakeshore Highlands Tract, Oakland. Western Door & Sash Co, \$591.52; Smith Lumber Co, \$751.90; West Bros Roofing Co, \$32.25; Clinton Milling Co, \$841.29, vs L M Patterson, Geo W Easterly and J Daneri.....	
March 1, 1930—161 INDIAN ROAD, Piedmont. Geo J Maurer Co vs Mrs G D Abbott, Jr.....	\$4,396.85
Feb. 28, 1930—1034 D ST, Hayward. Quist Bros & Co vs Ynez Jiminez Sazzo, E C Madrid.....	\$90
Feb. 28, 1930—LOTS 130 and 131, Arbor Villa, Oakland. Concoale Fixture Co, Inc vs Income Building Corp, Ltd, Alfred Cords.....	\$387
Feb. 28, 1930—LOTS 119, 122, 123, 130 and 131, Arbor Villa, Oakland. M Dale Plumbing Co vs Income Bldrs Corp and A Cords.....	\$2,000
Feb. 28, 1930—LOT 70, Buena Vista Homestead, Oakland. Liberty Ornamental Iron & Wire Works vs Chris C Riewerts and Thomas G Jacques.....	\$100
Feb. 28, 1930—LOT 70, Buena Vista Oakland. H A Driscoll Co vs Chris C and Daisy Riewerts and Thos Jacques.....	\$2,991
March 3, 1930—SOUTH LINE of 9th St 100 ft E of Fallon, Oakland. S M Tieglad vs Japanese-American Society of Oakland.....	\$5392.91
March 3, 1930—LOT 70 Buena Vista Homestead, Oakland. Western Roofing Co, Inc vs Chris C Riewerts, Thos Jacques.....	\$120
March 3, 1930—418 EVELYN ST, Albany. A H Hasseler vs Robert Payne.....	\$227
March 3, 1930—LOTS 130 and 131, Arbor Villa, Oakland. W J Roth vs Income Building Corp, Alfred Cords.....	\$478.25
March 4, 1930—231 FOOTHILL Blvd Oakland. J E Burns vs Hurh Richardson.....	\$1651
March 4, 1930—285 12th St, Oakland. Scott-Buttner Electric Co vs C H King Estate Co, J A Boycroft.....	\$38.64
March 4, 1930—1281 SUNNYHILLS	

Road, Oakland. James A Davis Co vs Leonard M Patterson, W J Biddle, George W Easterly, Geo Easterly..... \$56.66

March 4, 1930—LOTS 8-25, 26, 27 Bk S, amended map Regents Park, Albany. California Mill & Lumber Co vs H A Konderman..... \$654.27

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
Feb. 28, 1930—440 EL CERRITO AVE, Piedmont. Pacific Coast Aggregates, Inc to Wm K and Ethel Munn, Chas Bright, E R Wislie.....	\$39
Feb. 26, 1930—LOT 138 ARBOR Villa 2625-2626 Ivy Dr, Oakland. Scott-Buttner Electric Co, \$439.46; Liberty Ornamental Iron and Wire Works, \$190; Eagle Sheet Metal Works, Karl O Gober, \$116; Rigney Tile Co, \$189.80; J F O'Brien, \$94.70, to D J Suehl.....	
Feb. 24, 1930—4270 LINCOLN AVE, Oakland. A L Daniels to West Oakland Home, Winte Marden, Steele P Dunn.....	\$342.45
March 1, 1930—LOTS 121 and 122 Bk 33, Amended Map of Havenscourt, Oakland. Matson-Seabrook Co to John and Germaine Pestana, George H Lydikesen.....	\$238.34
March 1, 1930—PTN LOT 12 BLK 2, Subdiv Adams Point property, Oakland. Melrose Bldg Materials Co, (three releases) \$191.35, \$165.54, \$165.54, to Edwin and Edna L Graff, Unit Steel Bldg Co.....	\$72.24
March 1, 1930—PTN LOT 12 BLK 2, Subdiv No 1, Adams Point property, Oakland. Maxwell Hardware Co to Edna I and E C Graff.....	\$72.24
March 1, 1930—SW 47 ft of LOT 12 Bk 2, subdiv No 1 of Adams Pt property, Oakland. W S Dickey Clay Mfg Co to Edna I and Edwin C Graff, Unit Steel Bldg Co.....	\$97.31

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$5000; Lot 13 Bk 3 Seville; owner and builder, Meyer Bros, El Camino and Aragon, San Mateo.
RESIDENCE, \$5000; Lot 14 Bk 3 Seville; owner and builder Meyer Bros, El Camino and Aragon, San Mateo.
RESIDENCE, \$6,000; Lot 16 Bk 3 Seville; owner and builder Meyer Bros, El Camino and Aragon, San Mateo.

BUILDING CONTRACTS

SAN MATEO COUNTY

DWELLING	
LOT 32 BLK 4, Ravenswood Villas San Mateo. All work for dwelling and garage.	
Owner—Clifton Woodhams, 77 Claremont St, Redwood City.	
Architect—None.	
Contractor—A. C. Held.	
Filed Feb. 27, '30. Dated Feb. 13, '30.	
Roof on.....	\$75
Plastered.....	75
Completed.....	75
Usual 35 days.....	Balance
TOTAL COST, \$300	
Bond, none. Limit, 90 working days.	
Forfeit, none. Plans and specifications filed.	
RESIDENCE	
SPENCER LANE, Atherton. All work for two-story frame and stucco residence.	
Owner—John J. Baumgartner, Atherton.	
Architect—Birge M. Clark, 310 University Ave., Palo Alto.	

Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Filed Feb. 27, '30. Dated Feb. 25, '30.
As work progresses.
TOTAL COST, \$37,343
Bond, \$19,000 (guaranteed). Sureties C. B. Spangler and Fred Sinze. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Feb. 26, 1930—5.849 ACRES South San Francisco. Heintz & Kaufman to H H Haun & Co. et al.
February 24, 1930
Feb. 26, 1930—PART LOT 5 BLK 6, San Mateo Villa Park. Michael T Tomaskovitch to whom it may concern.
February 21, 1930
Feb. 27, 1930—LOT 2 BLK J, Hillsborough Park. Mrs Nell T Welch to Meese & Briggs.
Feb. 10, 1930
Feb. 27, 1930—LOT 5 Studio Tract No 2. Geo K Kanin et al to T C Farris.
February 17, 1930
Feb. 27, 1930—LOT 7 BLK 5, Central Addn, San Mateo. Peninsula Ice Co to T C Farris.
Feb. 2, 1930
Feb. 28, 1930—PART LOT 2 BLK 10 East San Mateo. Edward Doherty et al to Edward Doherty.
February 24, 1930
Feb. 20, 1930—LOT 19 BLK 1, Aragon. Meyer Bros to whom it may concern.
Feb. 13, 1930
Feb. 21, 1930—PART LOT 1, Johnson Subdivision, San Mateo. T C Hughes to whom it may concern.
Feb. 21, 1930—LOT 16 BLK 4, Hillcrest Tract, San Mateo. Nikola Bledow to B Milano.
Feb. 20, 1930
Feb. 24, 1930—COLLEGE PARK Service Station. General Petroleum Co to San Mateo Feed & Fuel Co.
Feb. 18, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Feb. 21, 1930—SOUTH SAN FRANCISCO. Soule Steel Co vs Machetti Motor Patents, Inc. \$5433
Feb. 21, 1930—LOT 22 BLK 4, East San Mateo. V Conceoni et al vs George E. Fisher. \$288.23
Feb. 21, 1930—LOT 77 Bayshore Highway Tract, San Mateo. H E Casey et al vs J Carral Rodger. \$294.24
Feb. 21, 1930—LOT 78 Bay Shore Highway Tct, San Mateo H E Casey et al vs J Carol Rodger et al \$519.05
Feb. 21, 1930—LOT 23 BLK 4, East San Mateo. Hubbard & Carmichael Bros. \$233.70; C M Speers, \$431.72; U Conceoni et al \$369.03 vs George E. Fisher.

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Accepted
Feb. 26, 1930—LOCATION OMIT-

TED. W P Jamelson, in full; Pacific Mfg Co, \$445.15, to Moxey Realty Company
Feb. 27, 1930—LOCATION OMIT-
TED. J A Goffigan to H K Welcome et al

BUILDING CONTRACTS

SANTA CLARA COUNTY

HOTEL
PTN BLK 2, COLLEGE TRACT, N Santa Clara St. & W Notre Dame Ave on Notre Dame Ave NW 151.64 ft. r/a SW parl Santa Clara St. 112.155 ft. r/a SE parl Notre Dame Ave 151.64 ft. to N Santa Clara St. on Santa Clara St. NE 112-15 ft. to pt. of beg., San Jose. Ornamental and other iron work for ten-story hotel.
Owner—San Jose Community Hotel Co., San Jose.
Architect—W. H. Weeks, Bank of Italy Bldg., San Jose.
Contractor—R. Hellwig Iron Works.
Filed Feb. 26, '30. Dated Feb. 20, '30.
As work progresses. 75%
Usual 35 days. 25%
TOTAL COST, \$5835
Bond, \$5835. Surety, Commercial Casualty Insurance Co. Limit, 185 days from Feb. 20, 1930. Forfeit, none. Plans and specifications filed.

MARBLE WORK ON INTERIOR AND exterior of building installed complete on above.
Contractor—Jos. Musto Sons-Keenan Co., 535 North Point St., San Francisco.
Filed Feb. 27, '30. Dated Feb. 19, '30.
Payments same as above.
TOTAL COST, \$6083
Bond, \$5083. Surety, Commercial Casualty Insurance Co. Limit, 60 working days from and after notice to proceed. Forfeit, none. Plans and specifications filed.

GLASS AND GLAZING & COPPER metal show window trim on above
Contractor—Wigren Lawrence Glass Co., Los Angeles.
Filed Feb. 27, '30. Dated Feb. 18, '30.
Payments same as above.
TOTAL COST, \$3900
Bond, \$3900. Surety, 30 days from and after notice to proceed. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM
ADDITION TO M. R. TRACE School, San Jose. All work for heating system and ventilating.
Owner—Board of Education, San Jose.
Architect—W. H. Weeks, Bank of Italy Bldg., San Jose.
Contractor—George M. and M. E. Frisbie (as Nottingham Heating & Ventilating Co.), Oakland.
Filed Feb. 28, '30. Dated Feb. 25, '30.
As work progresses. 75%
Usual 35 days. 25%
TOTAL COST, \$7188
Bonds (2) \$3594 each. Surety, Stand-ard Accident & Insurance Co. Limit, 125 days. Forfeit, none. Plans and specifications filed.

RESIDENCE

PTN LOT B HALE RANCHO SUBD., in Margarita Tct near Los Gatos. All work for seven-room frame residence.
Owner—Salemma M. Patterson, San Francisco.
Architect—Frank S. Holland, 137 Ninth Ave., San Francisco.
Contractor—George B. Moore, 531 Stanford St., Palo Alto.
Frame up and braced. \$2340
Brown coated. 2340
Contract completed. 2340
Usual 35 days. 2341
TOTAL COST, \$9361
Bond, \$9361. Surety, Glen Falls Indemnity Co. of Glen Falls, New York Limit, 75 days from Feb. 25, 1930. Forfeit, none. Plans and specifications filed.

DWELLING

LOTS 1, 2, 3 AND 4 BLK 5 Map of Loyola Townsite. All work for one-story frame dwelling and garage.
Owner—Edward F. and Florence E. Carney.
Architect—None.
Contractor—H. A. Spreen.
Filed Feb. 21, '30. Dated Feb. 19, '30.
Frame up and roof on. 25%
1st coat plaster on. 25%
Building completed. 25%
Usual 35 days. 25%
TOTAL COST, \$7155
Bond, none. Limit, 90 days from Feb. 21, 1930. Forfeit, none. Plans and specifications filed.

DWELLING, ETC.

ON PARCEL OF LAND PART OF Lot 11 of Las Animas Rancho consisting of approximately 1000 acres and 1 mile west of State Highway (Monterey Rd.), Gilroy. All work for 1-story frame dwelling, helps' house, machine storage space and barn.
Owner—Lawrence A. Kelley, Sunset Terrace, San Jose.
Architect—Herman Krause, 243 N. Ninth St., San Jose.
Contractor—William Radtke, Gilroy.
Filed Feb. 21, '30. Dated Feb. 21, '30.
As work progresses. 25%
Usual 35 days. 25%
TOTAL COST, \$21,679
Bond, none. Limit, 90 working days from Feb. 24, 1930. Forfeit, none. Plans and specifications filed.

HOTEL

N SANTA CLARA ST. AND W Notre Dame Ave. on Notre Dame Ave. NW 151.64 r/a S 59° 20' W and parl Santa Clara St. 112.155 r/a S 30° 40' E and parl Notre Dame Ave 151.64 to N line Santa Clara St. th alng Santa Clara St. N 59° 20' E 112.155 to point of beg., being portion of Blk 2 Map of College Tract, San Jose. Building complete, including additional basement space under lounge and lobby for hotel.
Owner—San Jose Community Hotel, a Calif. Corp., San Jose.
Architect—W. H. Weeks, Bank of Italy Bldg., San Jose.
Contractor—Carl N. Swenson, 1395 Shasta St., San Jose.
Filed Feb. 24, '30. Dated Feb. 19, '30.
Bet. 1st and 10th of each month 75%
Usual 35 days. 25%
TOTAL COST, \$158,950
Bond, \$158,950. Surety, Commercial Casualty Insurance Co. Limit, 200 working days from and after Feb. 19, 1930. Forfeit, none. Plans and specifications filed.
NOTE:—Contractor agrees to use Pacific Portland cement throughout.

WORK IN CONNECTION WITH furnishing and installing window shades throughout (material to be

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San Francisco

Rayflex); furnish and install linoleum, same to be laid in coffee shop on main floor, behind clerk's desk and in office adjacent, also in kitchenette in bungalow on roof on above.

Contractor—L. Lion & Sons Co., Second and San Fernando Sts., San Jose.

Filed Feb. 24, '30. Dated Feb. 19, '30. Payments same as above.

TOTAL COST, \$1,138
Bond, \$1,138. Surety, Commercial Casualty Insurance Co. Limit, 30 working days from and after notice to proceed. Forfeit, none. Plans and specifications filed.

HEATING AND VENTILATING ON ABOVE.

Contractor—Wm. F. Serpa, 497 N. 13th St., San Jose.

Filed Feb. 24, '30. Dated Feb. 18, '30. Payments same as above.

TOTAL COST, \$21,747
Bond, \$21,747. Surety, Commercial Casualty Insurance Co. Limit, 185 working days from and after date of this instrument. Forfeit, none. Plans and specifications filed.

ELEVATOR WORK ON ABOVE.

Contractor—Otis Elevator Co., 1 Beach St., San Francisco.

Filed Feb. 24, '30. Dated Feb. 18, '30. Payments same as above.

TOTAL COST, \$15,935
Bond, \$15,935. Surety, Commercial Casualty Insurance Co. Limit, 185 working days from and after date of this instrument. Forfeit, none. Plans and specifications filed.

SHEET METAL WORK ON ABOVE.

Contractor—Forderer Cornice Works, 269 Potrero Ave., San Francisco.

Filed Feb. 24, '30. Dated Feb. 19, '30. Payments same as above.

TOTAL COST, \$6,315
Bond, \$6,315. Surety, Commercial Casualty Indemnity Co. Limit, 185 days from Feb. 19, 1930. Forfeit, none. Plans and specifications filed.

PAINTING AND FINISHING ON ABOVE.

Contractor—C. E. Brown (as Brown & Co. and J. B. Huber), 136 Clayton St., San Jose.

Filed Feb. 24, '30. Dated Feb. 18, '30. Payments same as above.

TOTAL COST, \$11,573
Bond, \$11,567. Surety, The Century Indemnity Co. of Connecticut. Limit, 185 working days from Feb. 18, 1930. Forfeit, none. Plans and specifications filed.

PLUMBING WORK, including materials, fixtures, etc., on above.

Contractor—Hateley & Hateley, 1710 Tenth St., Sacramento.

Filed Feb. 24, '30. Dated Feb. 18, '30. Payments same as above.

TOTAL COST, \$39,042
Bond, \$39,042. Surety, Commercial Casualty Insurance Co. Limit, 185 days. Forfeit, none. Plans and specifications filed.

ELECTRIC WORK ON ABOVE.

Contractor—W. C. Harvey, C. E. Hershey and G. V. Metzger (as Guilbert Bros. Electric Co., 303 W. San Fernando St., San Jose.

Filed Feb. 24, '30. Dated Feb. 19, '30. Payments same as above.

TOTAL COST, \$11,566
Bond, \$11,566. Surety, Commercial Casualty Co. Limit, 185 days from Feb. 19, 1930. Forfeit none. Plans and specifications filed.

ALL FINISH HARDWARE ON ABOVE.

Contractor—San Jose Hardware Co., 56 W-San Fernando St., San Jose.

Filed Feb. 24, '30. Dated Feb. 18, '30.

Payments same as above.

TOTAL COST, \$4050
Bond, \$4050. Surety, Commercial Casualty Insurance Co. Limit, 30 working days from and after notice to be delivered. Forfeit, none. Plans and specifications filed.

COMPOSITION AND TERRA COTTA tile roofing complete on above.

Contractor—W. J. and H. H. Porter (as W. J. Porter), 1229 W-San Carlos St., San Jose.

Filed Feb. 24, '30. Dated Feb. 18, '30. Payments same as above.

TOTAL COST, \$925
Bond, \$925. Surety, Commercial Casualty Insurance Co. Limit, 20 days from and after notice to proceed. Forfeit, none. Plans and specifications filed.

PILE WORK ON ABOVE.

Contractor—Raymond Concrete Pile Co., Hunter-Dulin Bldg., San Francisco.

Filed Feb. 24, '30. Dated Feb. 21, '30. Payments same as above.

TOTAL COST, \$23,186
Bond, \$23,186. Surety, Commercial Casualty Insurance Co. Limit, 25 working days from and after excavation is finished and lot ready for pile driving. Forfeit, none. Plans and specifications filed.

TILE WORK ON INTERIOR AND exterior on above.

Contractor—Riney Tile Co., 3012 Harrison St., Oakland.

Filed Feb. 24, '30. Dated Feb. 17, '30. Payments same as above.

TOTAL COST, \$8546
Bond, \$8546. Surety, Commercial Casualty Co. Limit, 60 days from and after notice to proceed with work. Forfeit, none. Plans and specifications filed.

LATHING AND PLASTERING inside and outside on above.

Contractor—Chris Berg, 719 45th Ave., San Francisco.

Filed Feb. 24, '30. Dated Feb. 15, '30. Payments same as above.

TOTAL COST, \$41,850
Bond, \$41,850. Surety, Commercial Casualty Co. Limit, 60 working days from and after notice to proceed with work. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN JOSE

BUSINESS building, frame, \$2500; 13th St. near Jackson, San Jose; owner, M. Divittorio, 682 N. 13th St., San Jose.

ALTER frame amusement building, \$3750; No. 75 N-Third St., San Jose; owner, Slavonian Hall Assn., Premises; architect, Wolfe & Higgins, 19 N-Second St., San Jose; contractor, Frank Neves, 891 Harrison St., Santa Clara.

ALTER frame residence, \$1000; No. 455 Washington St., San Jose; owner, A. J. Peters, Premises.

ALTER Class C business building, \$3000; No. 228 S-Market St., San Jose; owner, P. Andreucetti, Prem. contractor, W. M. Caldwell, 1241 Hedding St., San Jose.

RESIDENCE, 2-story 6-room frame, \$7500; Palm Haven and Hartford Sts., San Jose; owner and contractor, E. L. Wolfe, 901 Coe St., San Jose.

RESIDENCE, 5-room frame, \$4300; Lorraine St. near Josefa, San Jose; owner, G. Marconi, General Delivery, San Jose; contractor, A. Banducci, 24 Peach Ct., San Jose.

RESIDENCE, 4-room frame, \$2900; Eleventh St. near St. John, San

Jose; owner, Mrs. Bertha A. Thomas, 503 E. St. John St., San Jose; contractor, Thos. Herschbach, Twohy Bldg., San Jose.

SUPER service station Class C, \$10,000; Vine and San Carlos Sts., San Jose; owner, Shell Oil Co., Stockton and Hedding Sts., San Jose; architect, company engineer; contractor, W. H. Ball, 1288 Lupton St., San Jose.

RESIDENCE, 4-room frame, \$2900; Eighteenth St. near Empire, San Jose; owner, C. W. Petersen, 153 N. 13th St., San Jose.

RESIDENCE, 6-room frame, \$3750; McDaniel St. near Dana, San Jose; owner, D. M. Colclough, Park and Hedding Sts., San Jose; contractor, Wm. O'Neil, 1500 McDaniel St., San Jose.

RESIDENCE, 5-room, frame, \$2750; Twenty-second St. near Beach, San Jose; owner, A. G. Birkemeler, 245 S. 22nd St., San Jose.

ALTER frame residence, \$1000; No. 235 S. 17th St., San Jose; owner, W. H. Christmas, Premises; contractor, T. F. Mahaffey, 1192 Sherwood St., San Jose.

BUSINESS building, one-story Class C, \$20,000; Santa Clara and Sixteenth Sts., San Jose; owner, John Launin, 1394 Sierra Ave., San Jose; architect, Chas. McKenzie, Twohy Bldg., San Jose; superintendent, T. J. Launin.

RESIDENCE, 5-room frame, \$3100; Coe St. near Bird, San Jose; owner, F. C. Rawlings, 965 Delmas Ave., San Jose; contractor, Smith & Westa, 1041 Ramona St., San Jose.

ALTER frame business and residence building, \$2500 Park and Sunol Sts., San Jose; owner, C. Vella, Premises; contractor, W. J. Martin, 456 Delmas Ave., San Jose.

RESIDENCE, 6-room frame, \$3500; Twenty-fourth St. near San Fernando St., San Jose; owner, Hardin Walker, 424 E-San Carlos St., San Jose.

RESIDENCE, 5-room frame, \$2500; Twenty-fourth St. near St. James, San Jose; owner and contractor, T. O. Ennis, 125 N-24th St., San Jose.

RESIDENCE, 4-room frame, \$3000; Virginia St. near State, San Jose; owner, L. O. Sprague, 767 S-Eighth St., San Jose.

RESIDENCE, 5-room frame, \$5600; Shasta St. near Park, San Jose; owner, Carl Beard; contractor, Rollie Williams, 1457 Shasta St., San Jose.

RESIDENCE, 4-room frame, \$2700; Fourteenth St. near Vestal, San Jose; owner, Sol Guardino, 790 N. Thirteenth St., San Jose.

SHEDS and loading sheds, \$1000; Taylor and Fifth Sts., San Jose; owner, Kiso Yasunaga, N. Fifth St., San Jose; contractor, V. Rotondo, 716 N. Third St., San Jose.

BUILDING PERMITS

REDWOOD CITY

ADD to dwelling, \$1000; No. 274 Edgewood Road, Redwood City; owner, L. Macublen, Premises; contractor, Kappeler Bros.

DWELLING, 5-room frame, \$3000; No. 223 Hillview Ave., Redwood City; owner and builder, G. W. Knapp, Edgewood Atherton, Redwood City.

DWELLING, frame 6-room, basement and garage, \$3000; No. 460 Jett St., Redwood City owner and builder, A. Newman, 676 60th St., Oakland.

DWELLING, frame, 5-room, basement and garage, \$3000; No. 229 Hillview Ave., Redwood City; owner

and contractor, G. W. Knapp, Edgewood Atherton, Redwood City
DWEILING, 5-room frame, \$3000; No. 450 Carlos Ave., Redwood City; owner, E. Boicello, Highway St., Redwood City; contractor, A. Anderson.

DWEILING, 5-room, basement and garage, frame, \$4000; No. 153 Jeter St., Redwood City; owner, & contractor, J. L. Connelley, Alameda de las Pulgas, Redwood City.

ALTER frame dwelling, \$1000; No. 212 Hillview Ave., Redwood City; owner and contractor, J. Cassaretto, 244 Finger St., Redwood City.

DWEILING, frame 7-room 2 baths and garage, \$10,700; No. 516 Edgewood Road, Redwood City; owner, Chas. Woodmansee, 506 Edgewood Road, Redwood City; contractor, H. H. Macdonald, 1020 Rosewood St., San Carlos.

STORES and offices, \$28,865; No. 2602-2607 Broadway and 10-12 Minnie St., Redwood City; owner, Andrew Investment Co.; contractor, L. N. Pollard, 55 Brewster St., Redwood City.

BUILDING PERMITS

PALO ALTO

ADD to residence, \$2500; No. 445 Lowell Ave., Palo Alto; owner, Mrs. B. Thompson, Premises; contractor, Wm. Short, 2121 Waverly St., Palo Alto.

TRIC plant and interior alterations, \$1550; No. 318 University Ave., Palo Alto; owner, Wm. Caviston, Premises; contractor, Alfred Johnson, 275 Santa Rita St., Palo Alto.

RESIDENCE, frame & stucco, \$6500; No. 232 Dana St., Palo Alto; owner, C. J. Bachner, 3759 Woodruff St., Oakland.

RESIDENCE, frame and stucco; \$6000; No. 1500 Middlefield Road, Palo Alto; owner, Harry L. Sandow, Inc., 1865 Oak St., San Francisco; contractor, Sidney A. Colton, 3020 Balboa St., San Francisco

RESIDENCE, frame & stucco, \$3000; No. 122 Rincovade Ave., Palo Alto; owner, Earl H. Rush.

RESIDENCE, frame & stucco, \$6000; No. 766 Palo Alto Ave., Palo Alto; owner, L. H. Grieb, 760 Palo Alto Ave., Palo Alto; contractor, W. P. Gondenough, 310 University Ave., Palo Alto.

RESIDENCE, frame & stucco, \$6500; No. 2314 Ramona St., Palo Alto; owner, J. G. Causey, 2370 South Court, Palo Alto.

WELLING and garage, frame and stucco, \$2400; No. 270 Everett Ave., Palo Alto; owner, E. M. Rankin, 163 University Ave., Palo Alto; contractor, Henry Harala.

ADD to residence, \$2000; No. 2050 Waverly St., Palo Alto; owner, E. P. Wolfe, Premises.

BUILDING PERMITS

MARTINEZ

VELLINGS, stucco, two 3-room and two 4-room, \$8500; Martinez, Escobar and Miller; owner, M. Reznick, 684 Fulton St., San Francisco; contractor, J. F. Croel, 436 Allen St., Martinez.

NGALOV, 4-room stucco, \$2,000; Brown and Castro Sts.; owner, Alberto Martini, architect, and builder, Volpi & Son.

BUILDING CONTRACTS

MARIN COUNTY

URCH VINCENT'S near San Rafael. All ornamental work for church.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.

Architect—None.
Contractor—Leibert & Trobeck, Rialto Bldg., San Francisco.

Sub-Contractor—John P. Woods.
Filed Feb. 21, 1930. Dated —.

TOTAL COST, \$10,677
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted

Feb. 21, 1930—LOT 11 BLK 13, Interurban Park Tract, San Jose. A Dorfman to whom it may concern.....Feb. 17, 1930

Feb. 21, 1930—LOT 11 BLK 4, Los Altos Park. Francis J. Mallett et al to whom it may concern.....Feb. 20, '30

Feb. 21, 1930—SW FLEMING AVE., 263.6 SE Alum Rock Ave., San Jose. Henry S. Borge et al to whom it may concern.....Feb. 19, 1930

Feb. 21, 1930—LOT 21, L. E. Appleton Addition, San Jose. Geo. D. Omohundro et al to whom it may concern.....Feb. 20, 1930

Feb. 21, 1930—LOT 22, Greenside Terrace, San Jose. Mary G. Santana to whom it may concern.....Feb. 21, 1930

Feb. 21, 1930—LOTS 39 AND 31 and S 12 1/2 Lot 29 Blk 13, Vendome Park Tract No. 4, San Jose. F. L. Fehren et al to whom it may concern.....Feb. 24, 1930

Feb. 21, 1930—E FIRST ST. 274.7 S. San Carlos St., San Jose. P. C. Hale to whom it may concern.....Feb. 19, 1930

Feb. 21, 1930—LOT 2, Cerwe Sagrue Tract, San Jose. Angelo and Teresa Cirigliano to whom it may concern.....Feb. 21, 1930

Feb. 21, 1930—LOT 4, Oak Glen Park Los Gatos. Lionel Wachs to whom it may concern.....Feb. 15, 1930

Feb. 21, 1930—SE SECOND AND William Sts., San Jose. General Petroleum Corp to whom it may concern.....Feb. 14, 1930

Feb. 25, 1930—LOT 1, Country Club Park, San Jose. H. S. Kittredge to whom it may concern.....Feb. 20, 1930

Feb. 25, 1930—LOT 3 BLK A, Kenold Tact, San Jose. Della D. Gerichten to whom it may concern.....Feb. 21, 1930

Feb. 25, 1930—W NINTH ST., San Jose. Chas. G. Rosenhahn to whom it may concern.....Feb. 21, 1930

Feb. 27, 1930—NE BRYANT ST. & Forest Ave. 150 on Bryant by 112, Palo Alto. First Church of Christ Scientist in Palo Alto to whom it may concern.....Feb. 15, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount

Feb. 20, 1930—LOT 14 BLK 6, Los Altos Park, Los Altos. E. Gardner vs Ward L. Cronkite et al.....\$65.07

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount

Feb. 27, 1930—NE WAVERLY ST. 150 NW Kinsley Ave NW 75xNE 111 Ptn Blk 76, Palo Alto. Christensen & Anderson, Inc to Emma K. Willits\$228.43

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted

Feb. 26, 1930—MILL VALLEY. C. L.

Booth to Harry Kidd.....Feb. 15, 1930
Feb. 26, 1930—MILL VALLEY.
Mary F. Silveira to Andrew Anderson.....Feb. 21, 1930
March 1, 1930—SAN ANSELMO.
Ray J. Krausgrill to A. Harrah.....Feb. 25, 1930

LIENS FILED

MARIN COUNTY

Recorded Amount

Feb. 24, 1930—CORTE MADERA. Randolph C. Doherty vs W. Tuska\$127.41

Feb. 26, 1930—MARIN HALF ACRE. Homes near Sausalito. Cornelius Van Vuren vs Thomas and Gladys Maples\$85.50

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted

Feb. 27, 1930—N 50 FT. LOTS 101, 102 and 103 Blk H, Map of King City. The H. A. F. Co to whom it may concern.....Feb. 7, 1930

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount

Feb. 26, 1930—PART RANCHO Llano de Buena Vista. Sterling Lumber Co to L. E. Woodworth and Martha Bardin\$510.70

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted

Feb. 26, 1930—W BOYD ST., Santa Rosa. Poultry Producers of Central Calif to Petaluma Bldg Constr Co.....Feb. 21, 1930

LIENS FILED

SONOMA COUNTY

Recorded Amount

Feb. 28, 1930—19.07 ACRES near Santa Rosa on Western Extension of College Ave. Mead Clark vs Ernest E. Mary, William, Gert-rude, John & Audrey Rhode.....\$466.39

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted

Feb. 23, 1930—LOT 38, except 7.5 ft. thereof, all Lot 56 Blk 7, Western extension of N. Stockton. H. H. Thurston to whom it may concern.....Feb. 27, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount

March 4, 1930—S 1/2 OF SW 1/4 OF NW 1/4 Section 7-T 2 S R 72, Stockton. Hayward Lumber & Investment Co vs J. T. Long.....\$90.60

BUILDING PERMITS

(El Cerrito, Contra Costa Co., Calif.)

Chas. W. Diener, one-story frame dwelling in Sonoma avenue in Mira Vista. Cost, \$5000.

Joe Pockeay, remodel dwelling at 2922 Lexington avenue. Cost, \$1,000.

A. V. Garigan, remodel dwelling at 7187 Stockton avenue. Cost, \$1,000.

C. E. Eakins, one-story frame dwelling, in Liberty St. bet. Lincoln and Central avenue. Est. cost \$4,000.

BUILDING PERMITS

SACRAMENTO

GARAGE, public, \$15,000; No. 1221-1227 H St., Sacramento; owner, A. Brennan, 3300 San Jose Ave., Sacramento; contractor, Guth & Fox.

RESIDENCES (2) 4-room, \$4000 each; No. 4069 P St. and 4617 Buckingham St., Sacramento; owner, Bowen & McMahon, 825 J St., Sacramento; contractor, Guth & Fox.

RESIDENCE, 5-room, \$3500; No. 3241 L St., Sacramento; owner, H. M. Earle, 3567 N St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Feb. 28, 1930—LOT 38 S Curtis Oaks
Sub 3-2740 Tenth St., Sacramento.
G W Bowen to whom it may concern.....Feb. 26, 1930

March 4, 1930—NO. 726-728 K ST., Sacramento. Zukor's Inc (lessee) to whom it may concern.....March 1, 1930

Feb. 27, 1930—ISLETON. Southern Pacific Co to whom it may concern (packing shed).....Feb. 18, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Feb. 28, 1930—LOTS 4, 5 AND 6 BLK 26, Del Paso Heights, Sacramento. R C Cook Lumber Co and (Robt C Cook, Sole Prop.) vs Vesler M Babcock.....\$135

Feb. 26, 1930—S 1/2 LOT 13 W. & K. Tract No. 30, Sacramento. J L Jones vs Paul R and Iva Ione.....\$34

BUILDING PERMITS

FRESNO

LABORATORY, \$20,000; No. 2527 Fresno St., Fresno; owner, F. E. Twining, 625 Home St., Fresno; contractor, Fisher & McNulty, Mattei Bldg., Fresno.

DWELLING, \$3200; No. 2211 Holly St., Fresno; owner, Peter Kuppke; contractor, Adam Haas, 620 E St., Fresno.

DWELLING, \$3000; No. 824 Adoline St., Fresno; owner, Chess & Peterson, 820 Griffith-McKenzie Bldg., Fresno.

DWELLING, \$3000; No. 946 N. Marioposa St., Fresno; owner, Thos. Howland, Premises; contractor, T. J. Watson, Shields and Winery Sts., Fresno.

BOILER room, 1600; No. 1812 Mary St., Fresno; owner, Canham Dairies, Premises.

GARAGE, \$8000; No. 816 Van Ness Ave., Fresno; Fisher-Glassford Co., 1024 Fulton St., Fresno; contractor, Shields-Fisher & Lake, Pacific Southwest Bldg., Fresno.

DWELLING, \$1000; No. 1024 Vassar Ave., Fresno; owner, A. G. Lampasas, Rt. 1, Box 438, Fresno.

ALTERATIONS and additions, \$1000; No. 1500 Roosevelt Ave., Fresno; owner, H. M. Parks; contractor, J. D. Shorb, 1295 Linden St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Feb. 25, 1930—LOTS 22, 23 AND 24
Blk 4, Belridge Park, Fresno. Thos

H Gibbs to whom it may concern.....Feb. 24, 1930

Feb. 25, 1930—LOTS 26 AND 27, Meadow Brook Terrace, Fresno. T J Watson to whom it may concern.....Feb. 24, 1930

Feb. 25, 1930—LOT 3 BLK 4, Zappa Park No. 2, Fresno. A M Chitty to whom it may concern.....Feb. 24, 1930

Feb. 26, 1930—W 140 FT LOT 22 Martha C Kruger Subd, Riverdale. Fresno County to D F Cahill.....Feb. 20, 1930

Feb. 27, 1930—LOTS 17 AND 18 BLK 40, K & B, Fresno. C W Church to Jesse R Church.....Feb. 24, 1930

March 1, 1930—ASHLAN AVE bet. Wishon and Maroa Aves., Fresno Ronald B Harris to E J Farr & Son.....Feb. 27, 1930

March 3, 1930—LOCATION NOT Given. Southern Pacific Co to Roy Martin (addition to passenger station).....Feb. 23, 1930

JAPAN'S IMPORTS OF RUSSIAN LUMBER INCREASED MATERIALLY

Two hundred forty million board feet of Russian lumber will be imported into Japan in 1930, if a preliminary agreement between the Soviet and Japanese governments recently reported to the lumber division of the Department of Commerce by Assistant Trade Commissioner Howard B. Titus, of Tokyo, is consummated.

The agreement, according to Mr. Titus, calls for the sale of 75 per cent of this lumber through one of the largest lumber concerns in Japan, and the balance by the Soviet Government. The Japanese firm will advance 70 per cent of the current market price when the lumber is shipped, and will pay the balance after it is sold. This new agreement, according to advices, supersedes the former agreement between the Japanese government and another Japanese firm.

anese government and another Japanese firm.

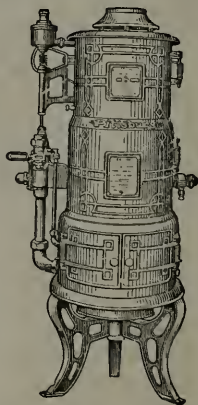
Mr. Titus also reports that the Soviet Government is said to have sold 12,000,000 board feet of white aspen for match stock in Japan, delivery of this stock to start after April 1.

While the exact figures on imports of Siberian softwoods into Japan for 1929 are not yet available, preliminary reports show that, including aspen, these imports are less than those of 1928—199,361,280 board feet. These reports also indicate that if present negotiations are successful, these imports will show an increase in 1930 of 41,000,000 board feet over 1928.

Japanese importation of softwoods from Asiatic Russia, according to Japanese official figures, rose from 112,226,000 board feet in 1926 to 196,990,000 board feet in 1927. Imports of aspen in 1926 and 1927 were approximately the same. According to trade figures, imports of aspen into Kobe, Japan, by a prominent lumber company, increased from 16,770,000 board feet in 1927 to 18,012,000 board feet in 1928, and in the first half of 1929, amounted to 9,666,000 board feet.

ASK PREQUALIFICATION ACT IN STATE OF MASSACHUSETTS

A bill calling for the prequalifying of all bidders on public work in the State of Massachusetts has been presented to the legislature of that state. This bill provides that public official may require all persons bidding public work to fill out a questionnaire and a financial statement containing complete information about the financial statement containing complete information about their financial ability and experience in performing such type work. The right to disregard any bid submitted in case the bidder does not satisfactorily qualify will rest with the state board if the bill is enacted.



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Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

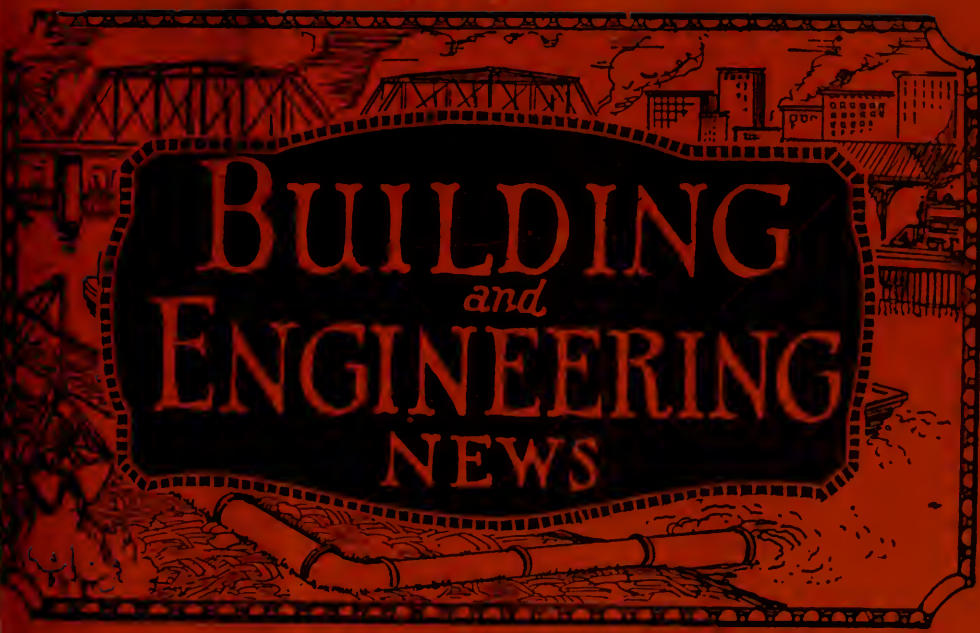
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Publication Office
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SAN FRANCISCO, CALIF., MARCH 15, 1930

Thirtieth Year, No. 11
Published Every Saturday

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., MARCH 15, 1930

Thirtieth Year, No. 11

Subscription terms, payable in advance:
S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

CIVIL ENGINEERS URGED TO MAKE REGISTRATIONS

Civil engineers throughout California are being urged by Donald M. Baker, president of the state board of registration for civil engineers, to lose no time in filing their applications with the board of examination and license. Under the new law, which became effective August 14, 1929, all persons engaged in civil engineering work in California must be licensed.

The board announces that approximately 2,800 application blanks have already been mailed out to civil engineers, but that there will be between 4,500 and 5,000 such blanks mailed out by the board before the work of examining and licensing all persons subject to the law is completed.

Under the law, application for examination and registration as a civil engineer must be made to the board in a prescribed form, accompanied with a fee of \$15. The application must contain satisfactory evidence that the applicant is of good character at least 25 years old, and has been engaged in the practice of civil engineering for at least six years and during that period had responsible charge of engineering work as a subordinate to a civil engineer for at least one year. Graduation from an engineering school or college approved by the board shall count as four years of practice and each year of study completed without graduation, in an engineering school or college approved by the board, shall count as one-half year of practice.

The board is a unit of the state department of professional and vocational standards, of which James F. Collins is director, and is composed of Donald M. Baker, Los Angeles, president; H. J. Brunner, San Francisco, vice-president, and Albert Givans, Sacramento, secretary. Applications and correspondence should be directed to 29 State Capitol, Sacramento.

PRESENT NEW AMENDMENT TO PORTLAND LICENSE LAW

An amendment of the ordinance regulating contractors, so that there will be no requirement except that of a license, has been presented to the City Council of Portland, Oregon. The amendment eliminates the bond of \$500 formerly required, which caused a storm of protest from the industry, and makes it possible for those bonds to be canceled. Also, it does away with the classification of contractors, which brought about a virtual war between the contractors and the sub-contractors. A new board, consisting of four building contractors and one other man prominent in the construction industry, is provided for so. Two of the new board will be holders of residences, two men handling bigger projects, and the fifth will be selected from a list to be made up by the other four, and all will be named by the mayor.

CONSTRUCTION PROGRAM TAKING DEFINITE SHAPE

The outlook for construction activity in 1930 is gradually taking definite shape, according to E. J. Harding, assistant general manager of the Associated General Contractors of America. "Our statistical data now indicates boom activities in highway, public improvement and all other classes of engineering construction," he states. "The first indication of an acceleration of building activity is now at hand and relates to non-residential construction. Prospects for residential work are still indefinite with no specific indications of revival yet at hand."

The favorable outlook for engineering construction is based on several indicators, according to Mr. Harding. The increased sale of state and municipal bond issues during December, 1929, and January, 1930, presents a combined total for such bond sales that has never exceeded but once by any similar combined total.

A further indicator is seen in the recent increase in federal aid appropriations for state highways, which increase of \$50,000,000 annually should result, when matched with state money, in an increase of more than \$100,000,000 for such work during 1930.

Reports on contemplated work as compiled by the F. W. Dodge Corporation show that engineering construction on the boards from January 1 and February 7 is 183 per cent greater in valuation than during the same period in 1929. These figures relate to projects being planned by engineers which have not reached the contract award stage.

Engineering construction contract awards for this year up to February 7 show an increase over last year of 68 per cent. This is seen by the contractors' association as a tribute to the manner in which federal, state and local governmental agencies have expedited plans for construction in response to President Hoover's appeal after the stock market decline.

The first indication of an acceleration in private building operations is now visible in the reports of contemplated work in the non-residential field up to February 7. These are 39 per cent greater in valuation than similar reports in 1929 and are seen as a very hopeful augury for the future although the volume of contract awards has not yet been increased for this class of work which is still behind last year.

While the volume of current construction activities as measured by shipments of basic materials is seven points below February of last year the general outlook is seen as much improved with the exception of the residential construction field where both contemplated work and contract awards are approximately 45 per cent off.

U. C. ENGINEERS TO BE GUESTS OF A. S. C. E. IN APRIL

Members of the University of California student chapter of the American Society of Civil Engineers will be guests of that organization on the evening of April 22, the day preceding the three days' session of the society in Sacramento. The meeting of the civil engineers is for the regular spring quarterly program, and some 300 members of the society are expected to attend, according to T. E. Stanton, president of the Sacramento chapter.

At the meeting with the students, the board of directors of the American Society of Civil Engineers will discuss with them their problems and will endeavor to render them assistance in their work.

Among the notable men who are expected to attend the session in Sacramento on April 23, 24 and 25, is Dr. Elwood Mead, emeritus professor of rural institutions at the University of California, now director of the reclamation bureau of the Interior Department of the United States. Reclamation has been one of the chief topics of discussion among the engineers for several years and it is probable it will occupy a large part of the program.

The irrigation section, too, is planning to take a considerable part of the program. Fred Scoby of Berkeley, in the United States Department of Agriculture has charge of this part of the meeting's activities.

ENGINEERING COUNCIL ORGANIZES FOR 1930

Administrative officers to carry out plans for national activity in public affairs during 1930 have been announced by the American Engineering Council. Gardner S. Williams, of Ann Arbor, Mich., has been named acting president of the Council. He will occupy the office until the return from a trip around the world of Carl E. Grunsky, of San Francisco, former head of the American Society of Civil Engineers, who has been elected president for a two-year term, succeeding Arthur W. Berresford, of New York. Mr. Williams is a former professor in the University of Michigan, a vice-president of the Council, and chairman of its committees on government reorganization and on flood control. He is the representative on the council of the Detroit Engineering Society.

New members of the Administrative Board, the governing body of the Council, which represent the civil engineering field are: American Society of Civil Engineers—H. S. Crocker, Denver, Colo.; A. J. Dyer, Nashville, Tenn.; Anson Marston, Iowa State College; Frank M. Williams, Albany, N. Y. American Institute of Consulting Engineers—Edwin F. Wendt, Washington.

SUCCESSFUL METHODS TO CONSTRUCT LOW COST ROADS

TOLD BY U. S. ROAD BUREAU

In a report just issued by the United States Bureau of Public Roads, giving the results of investigations made under the auspices of a joint committee of engineers and technologists, representing the Bureau and The Asphalt Institute, — the letter acting for the asphalt industry, — methods of constructing low cost roads in South-eastern states are cited as having produced successful wearing surfaces at low cost, capable of carrying light and medium traffic and usable throughout the year. The investigations of the joint committee which were made during 1929 will continue during 1930 in relation to these and other types of low cost surfacing, under the chairmanship of H. S. Fairbank, head of the Research Committee, U. S. Bureau of Public Roads, and J. E. Pennybacker, managing director of The Asphalt Institute.

Types of road surfaces in South Carolina and Florida, covered by the studies in 1929, consist of sand-clay mixtures and topsoil roads applicable to large areas of the United States where sand and clay are in sufficient proximity to permit the construction of mixed sand-clay bases, or where the topsoil from cultivated fields is available for the same purpose. These types are not only adaptable to the solution of the farm-to-market road surfacing problem but, in some instances, they are already serving as links in the Federal Aid Highway System where the traffic is of light or medium character. Exceptional economies effected in their construction and maintenance, and the fact that the many miles of the types now in service are carrying traffic that averages more than one thousand motor vehicles per day, afford data in the report for the use of highway officials and engineers that is of timely value at present in view of the wide spread and increasing demand for paving the roads in the back country areas.

The report issued by the Bureau of Public Roads summarizes the important findings of the investigators as follows:

1. It is clearly apparent from this investigation that in localities where sand-clay and topsoil roads have been found of value, surface treatment fills a definite need in the economic development of a well-planned highway system by offering a nonskid surface which is exceptionally easy riding, low in first cost, reasonable in maintenance cost, and one that can be constructed with a minimum of inconvenience to traffic. It has the advantage of making maximum use of local material.

2. South Carolina and Florida each have hundreds of miles of this type that have been in service from three months to four years and are successfully carrying traffic which in some instances is in excess of 2000 vehicles per day. There are a great many miles over three years of age on which the traffic has averaged more than 1000 vehicles per day.

3. Construction and maintenance costs naturally vary with local conditions. The following figures show a normal range of cost for work of this character to date:

- (a) Construction costs per mile: Sand-clay or topsoil base, 20 feet wide and 6 inches uniform thickness, complete \$1500 to \$3000. Priming material and heavy application with cover, complete \$1800 to \$2500.

- (b) Seal coat treatment, complete \$500 to \$1000.

- (b) Maintenance costs per mile per month: Surface treatment only... \$15 to \$60. Shoulders and ditches... 15 to 50.

- Second year—Surface treatment only... 5 to 20. Shoulders and ditches... 0 to 20.

4. Important subgrade requirements are as follows: (a) The subgrade should be composed of stable soil, even though to meet this requirement it is necessary to remove from the grade existing unsatisfactory soils and replace them with stable soil.

- (b) The subgrade should be constructed in layers of not more than 12 inches, thoroughly compacted by contractor's equipment or by hydraulic jetting, and machining and shaping should be continuous under traffic.

- (c) The grade line should be laid to keep the surface well above the ground level and, in so far as practical, to take full advantage of natural drainage.

5. Details of especial importance with regard to sand-clay and topsoil base are as follows:

- (a) Base materials should be selected only after examination to determine their suitability for use.

- (b) The compacted depth of base course should not be less than six inches at any point over the areas to be surface treated.

- (c) The base should be constructed two to three feet wider than the area to be surface treated or else should be supported at the edge by planks or other curbs.

- (d) The crown of the sand-clay or topsoil base should not exceed ¼ inch to the foot.

- (e) After thorough mixing the base should be compacted by traffic for a period of not less than one month accompanied by frequent blading and shaping. This traffic should be so distributed by regulating measures as to obtain uniform compaction over the full width of road.

- (f) When the sand-clay or topsoil does not contain an appreciable quantity of mineral particles of approximately ¼ inch diameter it is recommended that a stabilizing layer of pea gravel or similar material be worked into the surface of the base when preparing it for surface treatment.

6. Bituminous priming material should be applied only upon a smooth, thoroughly bonded and well swept base. The priming material should possess high penetrating and fairly rapid hardening properties so as to be absorbed by the base without leaving a sticky mat. Cold application tars and asphalt cements cut back with a kerosene type of distillate appear best adapted for such purpose. Wherever possible traffic should be barred from the road after sweeping preparatory to priming

and until compaction of the bituminous wearing course has been effected. The priming material should uniformly cover the surface of the base but there should not be an excess so as to require a mineral cover prior to application of the heavy asphaltic material.

7. The heavy asphaltic material should not be applied within twenty-four hours after the surface has been treated with priming material. A soft asphalt cement of from 150 to 300 penetration is to be preferred to a softer or less viscous hot oil. It should be uniformly distributed at a temperature of 275° to 325° F. when the air temperature is not lower than 50° F. and immediately covered with coarse mineral aggregate. It is important to exercise extreme care in uniformly distributing the coarse aggregate before and during compaction in order to secure a smooth riding surface. Coarse aggregate should preferably consist of hard, broken fragments of stone or slag from ¾ to 1½ inch in diameter. Un-crushed gravel and sand are not desirable for use as mineral cover. The bituminous mat should be approximately ¾ inch in compacted thickness, and should be rolled with a tandem roller until thoroughly bonded. Cover material should not be applied in excessive amount, as overloading the bituminous mat will greatly reduce its life.

8. Application of a seal coat should be deferred until the condition of the surface treatment indicates its immediate need, except where climatic conditions are such as to create this condition during the winter months, in which case the seal coat should be applied before the first winter of service. Bituminous material for seal coat should be preferably an asphalt cement cut-back with a gasoline type of distillate. The mineral cover should consist of ½ to 1½ inch stone or slag chips.

9. Retreatment with soft asphalt cement and a coarse mineral cover should be made whenever reinforcement or thickening of the bituminous mat is required and when patching becomes so extensive as to make resurfacing economical.

10. General maintenance should be under the patrol system and patches should be made promptly as required, with care to maintain a smooth riding surface. The material and methods used for constructing patches should duplicate as closely as possible materials and methods used in original construction. Maintenance should include prompt repairs to shoulders and ditches when needed.

Portland Cement Association has issued a booklet on "Vaulted Concrete Sidewalks" which contains detailed drawings of such construction. The material in the booklet tells clearly how the strong, durable, watertight concrete demanded by vaulted concrete sidewalks may be obtained. Stress is placed upon the fundamental requirements for making good concrete.

RIGHTS OF PROPERTY OWNERS

By HARRY C. WESTOVER, Attorney-at-Law

This is the sixth of series of articles in the California Mechanics' Lien Law, prepared by Harry C. Westover, attorney at law of Santa Ana. Other articles will be published in these columns from time to time.—Editor.

Section 1192 of the California Code of Civil Procedure provides: "Every building or other work of improvement constructed, altered or repaired upon any land with the knowledge of the owner or of any person having or claiming any estate therein and the work or labor done or materials furnished with the knowledge of the owner or person having or claiming any estate in the land shall be held to have been constructed, performed or furnished at the instance of such owner or person having or claiming any estate therein and such interest owned or claimed shall be subject to any lien filed unless such owner or person having or claiming any estate therein shall within ten days after he shall have obtained knowledge of such construction, alteration or repair or work or labor, give notice that he will not be responsible for the same by posting a notice in writing in that effect in some conspicuous place upon the property and shall also within the same period file for record a verified copy of said notice in the office of the County Recorder of the said county in which said property or some part thereof is situated." Section 1193 of the CCP provides in part: "It shall be lawful for the owner to protect himself against any failure of the contractor to perform his contract and make full payment for all work done and materials furnished thereunder by executing a bond or other security as he may deem necessary."

Under the peculiar wording of the statute property owners have a right to protect their property in any way they see fit and if he so desires such property owner can require a contractor to put up a bond or other security that he (the contractor) will perform his contract as specified and also pay all bills for labor performed or materials furnished upon the work or improvement. If an owner does not wish to require a bond from the contractor, or some other security then the owner waives the right of having such security and thereupon assumes the responsibility, of seeing that all claims against the property for labor performed or materials furnished are paid when due.

Section 1193 of CCP provides for a statutory bond to be filed with the plans and specifications but the owner can take any sort of security which he may desire to protect himself from the failure of the contractor to pay labor and material bills.

Under Section 1192 of CCP it is specifically provided that every building or other work of improvement is deemed to have been constructed or work performed at the instance of the owner unless the owner file the notice of non-responsibility as set forth in said section. If an owner has knowledge of work that is being done on his property and fails to give notice as prescribed in Sec. 1192 his property will be held for the work of improvement, regardless of whether the owner authorized the work. If the work is done and the owner has knowledge of the work then it is imperative that the owner immediately give notice that he will not be responsible for such

work. A property owner who either fails to demand from the contractor a bond, or protect himself in some other way, or a property owner who after having knowledge that work is being done upon his property fails to give the notice of non-responsibility as required in Section 1192 of CCP should not be allowed to complain if afterwards he discovers that all bills for work and labor performed and materials furnished have not been paid and is later called on to make payment. A property owner who is negligent or careless has no reason to complain of the operation of the lien law and if he assumes added responsibility he should not be allowed to complain of the unjustness of the lien law if later he has to pay for labor and material bills.

The question of notice of non-responsibility usually arises in instances where the owner has leased his property and the lessee then erects a building upon the property or repairs and improves or remodels the building that is existing on the property at the time of leasing. A provision in a lease that improvements made upon the premises by the lessee are to be paid by the lessee and not by the lessor, does not remove the requirement of the owner of giving the notice of non-responsibility and such a provision in a lease is sufficient of itself to give constructive notice or knowledge of the intended work, to the lessor or owner so that the owner or lessor must file the notice of non-responsibility.

A landlord's knowledge when making a lease for a brief period that the lessee will add to, alter and repair existing buildings as shown by a clause in the lease allowing removal of the improvements unless they would be injurious to existing structures is sufficient to put him on notice as to the actual improvements made and charge him with the duty of giving notice of non-liability. Evans vs. Judson 52 Pac 585.

It is possible that a building may be constructed entirely without the knowledge of the owner and in such a case a notice of non-responsibility may be filed upon the building even though the building might be completed at the time the notice is filed.

The owner has ten days after he has received knowledge of the work or improvement in which to file the notice of non-responsibility and if the owner did not have notice until after the building was completed the ten-day period would not commence until the owner had received notice of such improvement.

Sec. 1192 provides that the notice must be in writing and posted in some conspicuous place upon the property within ten days after the owner has received notice of the work of improvement and that a verified copy of such notice be filed within the same period in the office of the County Recorder of the county in which the property is situated.

The notice must contain a description of the property effected thereby sufficient for identification with the name and the nature of the title or interest of the person giving the notice. The name of the purchaser under the contract if any, or lessee if known, must be given in the notice.

As in other phases of the Mechanics' Lien Law the question often arises as to when the period commences to run. The owner has ten days after which

he has received notice in which to file and post the notice of non-responsibility.

Notice of non-responsibility may be posted within the statutory period after construction has been actually begun by a lessee notwithstanding the fact that the owner had knowledge of the intention to construct before the commencement thereof. Birch vs. Magic Tea Co. 73 Pac 238.

The notice of non-responsibility may be effectually given within ten days after the owner has obtained knowledge of the actual commencement of the work though as lessor in a lease stipulation for the improvement he had previous knowledge of the intended construction. 17 Cal Jur 98.

The term "conspicuous place" has received several interpretations by the court. It is the duty of the owner or of his agent to see that the notice is placed in a conspicuous place. The notice should be placed where it could be readily seen. Where notice was posted on front of a building bordering on a public street and position was such that it could easily be observed on entering the building the conspicuousness of the place was commended. Marshall vs. Candell 80 Ely 552. A notice posted in little recess on a partition wall several feet back from the street where it could not be easily seen was not posted in a conspicuous place and knowledge by a claimant of such posting as furnishing materials will not relieve the owner's property from liability.

REFRIGERATORS' EFFICIENCY TO BE GIVEN TEST

A constant temperature room, the principal use of which will be to test the efficiency of refrigeration boxes, is to be installed in the Agricultural Engineering Building at the Branch of the College of Agriculture, University of California, at Davis. Plans are being drawn by Prof. B. D. Moses, of the Agricultural Engineering Division and J. R. Tavernetti, field engineer and for the California Committee on the Relation of Electricity to Agriculture.

The room, which will be a permanent installment for whatever uses it may later be required, will be about 10 feet square and 10 feet in height. Temperatures of from 30 to 110 degrees Fahrenheit will be possible; any desired temperature to be maintained without fluctuation for as long a period as desired.

The walls of the room will be insulated with five inches of rock cork. Inside there will be a false floor and ceiling, and a false rear wall. The cooling and heating elements will be behind this rear wall. Two ventilating fans are to be installed. One will draw air from the outside under the false floor and past the heater or cooler; the other will reverse the current, driving air out. The temperature will be maintained, however, with the least possible movement of the air.

With a constant temperature in the room, it will be possible to measure the loss of heat through the walls of the refrigeration boxes tested, and thus to determine the efficiency of their insulation. Economy of operation in the use of current for refrigeration, also will be measured. Construction of the room will begin in the near future and it is planned to start tests as soon as the room itself has been tested thoroughly.

OPEN BRANCH OFFICE

Anaconda Wire and Cable Co. of California, with factory and headquarters in New York City, has established a branch office in San Francisco at 360 Ninth St. A complete stock of all types of insulated wire is carried.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

The United States Supreme Court has dismissed the appeal of C. L. Crawford of Mendocino County who attempted to prevent the organization of the Golden Gate Bridge and Highway District in the construction of a \$30,000,000 suspension bridge over Golden Gate Strait. Proceedings are now under way to call an election to vote bonds to finance the project.

While attempts are being made by various municipalities about the bay area to keep business within the home grounds, steps are being taken to "sell" the bay region as a unit to manufacturers of the country. The plan is being worked out by representatives of the nine counties of the San Francisco Bay area. Graph-illustrated studies of the bay region, prepared for distribution, present this area as the hub of foreign markets of the Pacific Ocean, and a rich, concentrated market of more than 1,500,000 population. They represent the Pacific Slope as a market of more than 12,000,000 persons, excelling in standard of living and commodity demand any groups or divisions of States, according to L. O. Head, vice president of the San Francisco Chamber of Commerce and chairman of the nine counties committee.

Assailing the city manager form of municipal government, Judge D. T. Elcke, former mayor of Stockton, told a joint meeting of the Oakland Union Labor and Building Trades Councils that it is the "worst any city could adopt." Judge Elcke attributed what he said was a 75 per cent increase in Stockton's taxes over a period of five years to that form of government and urged that cities now functioning under such a rule amend their charters to obtain a different system.

German steel mills have begun to export the new "ST 42" high-tensile-strength rust-resisting structural steel. The new type has been adopted by the German Bureau of Standards as the standard steel for all construction work. It contains a little less than 0.20 per cent copper to make it rust resisting. The specifications call for a tensile strength of at least 52 kg. per square centimeter (74,000 lb. per square inch). All the newer bridges in Germany are being constructed with the new type of steel.

Northwestern railroads which proposed last May to reduce lumber rates on shipments to Texas from northwestern territory are held to have been justified by an Interstate Commerce Commission decision. The northwestern carriers propose to reduce the charges on principal varieties of lumber from Oregon, Washington, Idaho and Montana to a large number of Texas points and to some in Oklahoma, by amounts ranging from 7½ to 15 cents per 100 pounds. Protests by California and southwestern lumber interests resulted in an order of suspension, which was dissolved. Though there is keen competition to the Texas territory, the commission ruled that the reduction was "not unreasonable or unduly prejudicial." The suspension order was set aside as of March 1 and the carriers will be permitted to make the revised schedules effective at once.

The six-hour day in all industries is the cure for the unemployment question throughout the United States, according to A. F. Whitney, president of the International Brotherhood of Railroad Trainmen, who recently addressed the Commonwealth Club of San Francisco. Whitney estimates that 4,000,000 men are out of work throughout the country. This condition, he said, is brought about by the development of machinery in industry. An adjustment is now necessary, and should consist of shorter hours of work without reduction in wages, according to Whitney.

A bill to reform the practices of building and loan associations has been approved by the state senate of New Jersey. The bill provides that the State banking commissioner would be empowered to take over an unsafe or delinquent organization without resort to the courts, and the wilful spreading of false or malicious gossip concerning an association would be made a misdemeanor. Losses from sales of property bought through foreclosure would be distributed among all shareholders, and companies would be limited in the amount invested in their lands and buildings to 5 per cent of their assets, that amount to include any mortgages on the property. A fund equal to 10 per cent of the average dues for three preceding years would be placed in a liquid fund to meet withdrawals and other demands.

J. R. Shields, city building inspector of Sacramento, under a resolution of the city commissioners will refuse to issue a building permit to any person not holding a contractor's license in accordance with the state law. No building permits have knowingly been issued contrary to the resolution with the result that practically all contractors working in the capital city are licensed by the state.

America now has 4785 skyscrapers ten stories or more in height. There are 384 buildings more than twenty stories high. Population of these buildings is sufficient, according to the C. A. Dunham Company, heating engineers, to make up about 4000 small towns. "New York has slightly over half of the skyscrapers of ten stories or more, with Chicago an easy second," it is said. "Los Angeles, Detroit, Philadelphia and Boston follow in order."

The East Bay Cities gained 147 new families moving in from outside places during the last month, according to the current report to the Board of Directors by Frank W. Hanna, Chief Engineer and General Manager of the East Bay Municipal Utility District. Of these, one hundred and three located in Oakland, twenty-five in Berkeley, thirteen in Alameda, and six in Richmond.

PERMIT FEE REDUCED

An ordinance lowering minor building permits from \$10 to \$1 has been passed by the City Council of Baltimore, Md. The price reduction will effect permits for alterations or additions when the cost of the work does not exceed \$200.

ALONG THE LINE

George F. Nicholson, harbor engineer for the city of Los Angeles, will leave for Washington, D. C., March 20 to attend the hearing of the U. S. Army Board of Engineers to consider Los Angeles port dredging projects. Major McGlone, Long Beach harbor engineer, will also attend the hearing.

J. M. Hotchkiss of Hobbs, Wall & Co., San Francisco, was re-elected president of the California Redwood Association. L. C. Hammond was re-elected vice-president and R. F. Hammett was reappointed secretary-manager.

David Salfeld, architect, builder and developer of El Dorado Heights in Stockton, died in that city March 7. Salfeld operated the Alpine Mill and Manufacturing Company of Stockton. He was a native of Keyesport, Ill. In 1880 he worked in the offices of San Francisco architects. In 1915 he moved to Stockton where he continued in business up to the time of his death.

Oscar T. Martin, secretary of the Santa Clara District Building Trades Council, is conferring with city and county officials of Santa Clara county in an effort to get public building programs under way as a solution for the unemployment situation.

Thomas W. Phipps, an engineer 1421 Superior Ave., Sheboygan, Wis., seeks employment on the Pacific Coast. He has considerable experience on highway and railroad construction.

Edward von Geldern has announced his candidacy for the office of county surveyor of Sutter County. He served one term in the office some years ago.

TOKYO LUMBER MARKET IS STEADY ATTACHE REPORTS

The Tokyo lumber market is steady, demand is normal and arrivals of shipments are light, a cable from Halleck A. Butts, Commercial Attache, to the Lumber Division of the U. S. Department of Commerce, says.

Stocks on hand at the present time total 29 million feet, and include the following: 7 million feet of large and medium Douglas fir squares, 5 million feet of cedar logs, 3 million feet of piling, 3 million feet of hemlock squares, 2 million feet of Douglas fir fitches.

Imports of lumber into the Tokyo market from February 1 to February 21 total 16 million feet including the following: 8 million feet of Douglas fir large and medium squares, 2 million feet of red cedar logs, 1 million feet of hemlock logs, and 1 million feet of fir fitches.

WANTS SALES AGENT

Steel Tank & Pipe Co. (Box 1899, Station F), Portland, Ore., seeks a sales agent to represent that organization in the sale of West Coast Steel Heating Boilers in the Central and Northern California section. Those applying for this agency must be financially responsible and established with a good line of heating specialties. Communicate with the company direct if you are interested.

CREDIT AGAIN OPENING FOR SOUND REAL ESTATE INVESTMENT

A definite turn from the "tight" condition on financing which all business experienced following the stock market break and during the preceding months of high call money is already observable in the field of real estate, according to reports made to the National Association of Real Estate Boards from its mortgage councillors in seventy-five cities.

The market for good real estate mortgages, however, is clearly shown by the reports still to be larger than he supply of funds available through insurance company loans, building and loan association funds and mortgage loan institutions, the large channels of building financing.

To get an accurate measure of what change there may have been in the last few months the Association sent out telegrams to the men selected as its mortgage councillors in various cities of the country and asked them, "Is the real estate credit situation any easier in your community now than it was two or three months ago?"

Replies From 104 Cities

Telegraphic replies were received from 104 cities of which 63 reported that there has been improvement in the credit situation. The degree of improvement noted varied all the way from a slight easement to a decidedly improved situation. Thirty-three observers reported that the situation as it was unchanged in their communities. Eight state that the situation in their cities has become more acute. "Slightly easier" is the phrase occurring most frequently in the reports. "Greatly improved," "Satisfactory," "Steadily improving" also occur; and local spots of new activity are found in reports from all sections.

Projects Must Be Well Planned

The reports clearly show a growing feeling of necessity for discrimination between well-conceived definitely purchased projects and poorly conceived, unsound or speculative ones.

The attitude is in line with the position of the National Association of Real Estate Boards that an accurate survey of what types of structures are currently needed in a city should be the basis for building programs.

A revival of residential mortgage loan activity is indicated in a number of the reports. Investment institutions are showing a strong preference for residential loans where the house is to be occupied by the owner as a home.

Show Differences in Sectional Reports
Sectional differences in general credit conditions are observable. The North Central and Pacific Coast States report the most generally satisfactory supply of mortgage money.

In the New England section, where 15 replies indicate a somewhat easier situation, eight reported approximately the same situation as two or three months ago.

In the east north central section 14 replies gave reports of a better credit situation. In this section there were eight reports that the situation was the same, and three that credit was tighter.

In the southern Atlantic section 6 replies indicated an improvement in the situation. Nine cities report a situation the same as for some months past.

In the east south central section three of the reports were of improvement, and one report of conditions worse than three months ago.

In the west south central section 6 replies were of a definitely easier credit situation, and four of an unchanged condition.

In the mountain section two replies were of an improved condition, two of a condition not as easy as sometime ago.

In the Pacific section 16 replies were of readier investment funds. In this section there were four reports of a stationary condition and one of a less satisfactory condition.

The general Canadian situation is indicated to be slightly easier but on the whole little changed.

5. Types of Bracing—"Herringbone" bracing has little value. "Herringbone" bracing consists of a series of pieces let in obliquely between studs in a generally horizontal plane. It is sometimes wrongly referred to as fire-stopping. It was found that it increases the stiffness of a horizontally sheathed panel only 30% and adds only 1% to the strength. But 2x4 braces cut in between the studs obliquely across the panel from the upper corners to the sill increased the stiffness 60% and the strength 40%. On the other hand, the important discovery was made that 1x1" strips let into the faces of the studs beneath horizontal sheathing increased the stiffness from 2 1/4 to 4 times and the strength about 3 1/2 times. For uses such as in farm buildings, airplane hangars and small garages, where sheathing is omitted and the siding is applied horizontally, the let in bracing strips offer far the best assurance of stiffness and strength.

6. Effect of Wall Openings—Window and door openings closely spaced reduce the stiffness of horizontally sheathed walls 70% and their strength 20%. Diagonally sheathed walls lose 63% in stiffness and 50% in strength, but are still much better than horizontal walls without openings.

7. Effect on Lath and Plaster—Plaster on wood lath makes a wall 90% stiffer, and about half as strong as though diagonally sheathed.

A full report of the tests, and of results secured, is obtainable from the National Lumber Manufacturers Association, Transportation Bldg., Washington, D. C.

SEVEN ARCHITECTS SEEK VALLEJO SCHOOL JOB

Seven architects have had conferences with the Vallejo Board of Education seeking a commission to prepare plans for the proposed new junior high school to be erected in that city. A bond issue for approximately \$230,000 is contemplated to finance the structure.

Architects seeking selection on the project are W. H. Weeks, San Francisco; A. O. Johnson, Berkeley; J. J. Donovan and Howard Schroder of Oakland; Coffman, Sahlberg & Stafford, Sacramento; Chas. E. Perry, Vallejo, and Davis-Pearce Co., Stockton.

ENGINEERS ELECT

J. W. De Souza was elected president of the Northwestern Society of Highway Engineers at the annual banquet of that organization in Portland, Oregon, March 1. H. S. Wall was chosen first vice-president; J. S. Sawyer, second vice-president; W. D. Clarke, third vice-president; W. A. Reeves, secretary; C. C. Reiter, treasurer; R. H. Baldock, J. H. Scott, H. A. Hunt, E. A. Collin, Oscar Cutler, O. R. Dinsmore and B. Glenn, directors. Past presidents of the organization are W. A. Schwarz, G. S. Paxson and L. P. Campbell. The latter is the retiring president.

CONCRETE ROADS BECOMING POPULAR IN EUROPE

Concrete roads are becoming increasingly popular in Europe. In 1926 the total mileage of continental highways constructed of this material was only about 300 miles, while in 1929 approximately 3000 miles were built. A further increase is expected during 1930.

BUILDING STRENGTHS ARE REVEALED BY FOREST SERVICE

Do three nails in each board make a nail stronger and more rigid than two nails?

This is one of the questions that the Forest Products Laboratory—U. S. Forest Service—has answered through tests made with nearly 50 frame wall studs of full one-story height and 12 1/2 feet long. These walls were braced with 2x4's at the customary 6' spacing; the sole plate was bolted to a fixed base and pressure was applied horizontally at the top plate in the plane of the wall surface. End tests, corresponding to the corner studs of the house, were built up in the usual way with three 2x4's.

The answer to the above question is at three or four nails instead of two. In 1x8" horizontal sheathing improve the wall but little; but they add from 30 to 100% to the stiffness of a diagonally sheathed wall.

A third nail placed in the middle of board between two other nails adds more resistance to twisting than if it were the only nail.

An inner pair of nails between an outside pair does not resist twisting much as the outside pair.

Other results of these tests are:

1. Inclination of Sheathing—Ordinary stud and plate walls, sheathed diagonally, are 4 to 7 times as stiff and 7 to 8 times as strong as if horizontally sheathed.

2. Size of Nails—Ten-penny nails instead of eights for horizontal sheathing increase stiffness 50% and strength 40%. Larger nails do not improve diagonal sheathing.

3. Effect of Matching—Side and end-matching sheathing is as stiff and strong as sheathing which butts over the studs. Relatively few builders have had experience with side and end-matched roofing and sheathing boards, which are just becoming commercially available. It was found that walls thus sheathed are as strong and as rigid as when the boards are butted over the studs. They also are cheaper to build.

4. Effect of Green Lumber—A wall horizontally sheathed with green lumber and allowed to become air dry before testing lost about 50% in stiffness and 30% in strength as compared to a dry sheathed panel.

HERE — THERE — EVERYWHERE

Tacoma Section, American Society of Civil Engineers, has been granted a charter and has elected the following officers for 1930: President, J. L. Stannard, chief engineer of public utilities, city of Tacoma; vice-president, Homer O. Blair, consulting engineer; secretary-treasurer, Julian A. Arnston, senior engineer, city of Tacoma.

Workmen's compensation is now lawful in all but three of the 48 states of the United States. Compensation totaling \$32,000,000 was alone paid to employees in the state of New York for injuries sustained in employment during the year ended June 30, 1929. This amounted to \$100,426 industrial accidents.

W. L. Howe, secretary of the Builders' Exchange of Santa Clara county, will represent that organization at the State Builders' Exchange Conference to be held at Long Beach, March 21. President P. M. Sanford will preside at the convention and James F. Collins will outline the functions of the contractors' license law. The Hotel Virginia will be convention headquarters. A trip to Catalina Island will be made.

The Fiftieth Anniversary of The American Society of Mechanical Engineers will be celebrated in April in Washington, in Hoboken, and in New York. It will bring together the leading engineering prophets of the world, who will talk on the social and economic problems of their respective countries and point the way toward the future.

Annual banquet and entertainment of the Modesto Chapter, American Association of Engineers, will be held in the I. O. O. F. Hall, Modesto, Mar. 28, it is announced by M. H. Crews, president of the Chapter.

TRADE NOTES

Increased activities in the manufacturing department of Devlin, Dray and Co., of Fresno, dealers in electric refrigeration, gas stoves and furnace heating, has caused the company to least new quarters for that branch of the business at 1220 H St., Fresno. The retail store will continue to operate from 1314 Fulton St.

Rankin Sheet Metal Works has opened shop and office quarters at 918 Main St., Santa Clara. Floyd Rankin is proprietor.

Claus Sheet Metal Works on March 8 opened new and enlarged quarters at 614 Florida St., Vallejo. Louis J. and Eugene F. Claus have operated the business in Vallejo for the past nine years.

Central California Roads Co., of Dover, Del., capitalized for \$150,000, has filed articles of incorporation in Oakland. Directors are: Raymond A. Kirchner, Raymond Cockston, and Harold Bradley, all of New York City.

BUILDING EXPENDITURE ON PACIFIC COAST \$19,789,006 IN FEBRUARY—WASHINGTON LEADS

Los Angeles Leads California Cities With \$3,897,064 Total in February As Compared With \$9,480,160 in February, 1929—Oakland Reports \$1,315,300 and San Francisco \$1,144,062—Reno, Nevada, Reports Increase With \$122,500, as Compared With \$83,450 in February, 1929
—Washington Leads Pacific Coast States With Total of \$4,835,755, Seattle Leading All Other Pacific North-west Cities With Total of \$2,594,850.

Following are the February, 1930, and February, 1929, construction cost figures as reported by building department executives from 106 Pacific Coast cities:

City	No.	February, 1930 Cost	February, 1929
CALIFORNIA			
Alameda	42	\$ 42,407	\$ 92,312
Alhambra	61	79,720	211,600
Anaheim	17	19,175	18,995
Bakersfield	66	210,690	108,415
Berkeley	97	287,131	284,011
Beverly Hills	73	416,960	388,685
Burbank	33	45,720	86,949
Burlingame	9	24,450	75,280
Carmel	11	13,080	65,650
Chula Vista	12	4,070	44,850
Colton	8	5,800	16,400
Compton	21	45,315	92,753
Coronado	2	8,625	62,465
Culver City	—	15,038	52,734
Emeryville	0	000	66,509
Eureka	52	60,540	31,975
Fresno	97	127,716	171,895
Fullerton	18	29,525	243,935
Glendale	102	260,734	623,568
Hayward	4	7,900	25,200
Huntington Park	37	84,175	167,915
Inglewood	28	56,070	65,550
Long Beach	450	904,870	1,443,125
Los Angeles	2,209	3,897,064	9,480,160
Lynwood	18	2,290	5,300
Los Gatos	4	113,817	38,875
Modesto	35	77,557	55,885
Monrovia	14	56,210	25,000
Montebello	11	30,207	21,499
Monterey	35	19,880	87,362
National City	15	7,205	34,650
Oakland	266	1,315,300	731,189
Oceanside	7	2,800	28,900
Ontario	20	85,610	37,391
Orange	7	11,550	3,800
Pacific Grove	15	26,350	3,480
Palo Alto	47	80,340	66,675
Palos Verdes Estates	5	42,900	43,800
Pasadena	244	337,254	303,781
Petaluma	9	18,965	26,385
Piedmont	9	34,450	55,467
Pomona	44	94,315	136,100
Redlands	10	27,440	51,720
Redwood City	30	115,492	115,103
Richmond	40	37,000	30,590
Riverside	46	133,680	132,836
Sacramento	108	143,519	355,533
Salinas	38	364,365	73,855
San Bernardino	71	161,982	111,705
San Diego	238	401,118	900,687
San Francisco	495	1,144,062	2,314,112
San Gabriel	9	14,600	40,010
San Jose	69	119,970	186,730
San Leandro	13	39,037	95,550
San Marino	12	116,661	210,405
San Mateo	33	200,940	68,725
San Rafael	12	150,150	52,050
Santa Ana	95	212,040	141,600
Santa Barbara	86	149,990	135,470
Santa Cruz	34	44,031	59,991
Santa Monica	72	136,553	248,350
Santa Rosa	24	34,480	42,595
South Gate	44	83,480	181,770
South Pasadena	—	81,150	16,460
Stockton	51	185,375	121,766
Torrance	18	135,480	45,150

Ventura	17	24,175	350,733
Vernon	13	59,339	153,575
Watsonville	13	19,420	14,975
Willow Glen	22	90,800	
Total	6,014	\$13,430,715	\$21,880,126

ARIZONA

Phoenix	69	\$ 115,273	\$ 514,290
Tucson	98	154,043	95,406
Total	167	\$ 269,316	\$ 609,696

IDAHO

Boise	46	\$ 45,799	\$ 13,000
Idaho Falls	2	3,325	4,325
Lewiston	19	26,030	102,250
Nampa	22	12,995	5,230
Total	89	\$ 88,149	\$ 124,805

NEVADA

Reno	47	\$ 122,500	\$ 83,450
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OREGON

Albany	6	\$ 3,500	\$ 8,600
Astoria	12	2,370	990
Baker	8	11,380	1,054
Corvallis	3	13,900	8,175
Eugene	54	31,832	78,875
Klamath Falls	46	80,225	42,925
LaGrande	7	108,730	6,000
Marshfield	6	5,605	15,250
Medford	20	16,330	85,825
Portland	447	625,385	1,045,075
Salem	44	27,029	56,892
Total	1,049	\$ 926,286	\$ 1,329,661

UTAH

Logan	2	\$ 3,500	\$
Ogden	16	39,000	2,000
Salt Lake City	59	116,285	109,573
Total	77	\$ 158,785	\$ 112,573

WASHINGTON

Aberdeen	29	\$ 27,215	\$ 34,600
Anacortes	8	30,050	3,700
Bellingham	38	35,530	61,850
Everett	47	53,555	181,535
Hoquiam	20	22,695	41,800
Longview	4	16,240	36,900
Olympia	20	12,880	9,825
Port Angeles	35	27,000	19,350
Seattle	532	2,594,850	2,543,830
Spokane	137	205,875	357,950
Tacoma	136	1,390,670	415,473
Vancouver	17	67,120	21,475
Walla Walla	28	11,275	4,350
Wenatchee	21	54,550	59,100
Yakima	33	232,250	138,890
Total	1,110	\$ 4,835,755	\$ 3,811,678
Grand Total 106 Cities	8,535	\$19,789,006	\$27,951,899

TRADE LITERATURE

Chicago Mill & Lumber Co., 111 West Washington St., Chicago, Ill., has just issued an insulating data book for architects on subjects pertaining to the use and construction of Weatherwood, the new insulating board that is being placed on the market. This book includes various specifications which cover numerous examples of the use of the board in the building field. Copies will be furnished on request without charge.

A photo-electric cell with an amplifier is now sold as a unit by the Westinghouse Electric & Manufacturing Company. The photo-electric cell, often called the "electric eye," is a light-sensitive device. When light falls upon it, voltage having been applied to the cathode, a current passes by means of electron emission from the cathode to the anode. This current is very small, but, when amplified, operates commercial relays. Leaflet 20456, describing this apparatus in detail, may be obtained from the Westinghouse Company upon request.

OPENS BRANCH OFFICES

The Alloys Co., subsidiary of the Merrill Co., engineers, 343 Sansome St., San Francisco, has opened branch offices and sales quarters in the Maritime Bldg., Seattle. A complete stock of S. & J. plumbing materials, manufactured by the Shand & Judd Co., Inc., of Berkeley, Calif., will be carried for distribution through the recognized wholesale plumbing supply houses of Seattle and all other jobbing points in Washington and Oregon. The line consists of fire hose racks, metal cabinets, flush valves, floor and roof drains, closet bends, cleanouts and covers, swimming pool drains, cast brass split and solid ceiling and wall flanges, and other materials. I. B. Pelton, of 25 years' experience in building lines, is to be manager for the firm at Seattle.

PACIFIC COAST AGGREGATES PROTESTS FREIGHT RATES

Pacific Coast Aggregates, Inc., of San Francisco, has filed a complaint with the Railroad Commission against Southern Pacific Company and The Western Pacific Company alleging that defendants are collecting excessive charges for the transportation of crushed rock, sand and gravel from Eliot on the lines of Southern Pacific to industries served by Western Pacific at Oakland and San Francisco, and asking the Commission to issue its order requiring defendants to cease the collection of such unreasonable charges, and to award complainant reparation.

KLAMATH FALLS TO SECURE NEW INDUSTRY

Carl F. Gerlinger, Dallas, Ore., president of the Klamath Locomotive and Machine Works, a newly formed corporation, announces plans for the immediate erection of a plant at Klamath Falls, Ore., to involve an expenditure of \$500,000.

Erection of eight buildings to house a complete locomotive, machine and mill supply store is contemplated. The plant will employ about sixty men.

Among the articles to be manufactured will be the Gerlinger lumber carlers, used extensively in the mills at Klamath Falls; Pacific spark arresters, used in locomotives and centrifugal water pumps.

TWENTY-FIVE CITIES SHOWING LARGEST VOLUME OF PERMITS FOR THE YEARS, 1927, 1928 AND 1929

	Year 1929	Year 1928	Year 1927
1. New York (P. F.)	\$382,376,301	\$924,479,302	\$887,585,647
2. Chicago	202,286,800	315,800,000	325,935,400
3. Philadelphia	106,229,915	111,884,880	117,221,225
4. Detroit	100,542,497	129,260,285	145,555,447
5. Los Angeles	93,016,160	101,678,768	123,027,139
6. Washington, D. C.	58,631,265	51,255,080	36,323,830
7. Boston (P. F.)	51,223,171	55,535,018	56,819,204
8. Milwaukee	46,785,763	44,488,867	46,707,924
9. Baltimore	37,809,880	38,481,940	23,457,790
10. Cleveland	37,782,500	54,532,325	45,480,050
11. Cincinnati	36,124,122	35,760,450	36,100,723
12. Pittsburgh	34,774,782	38,242,587	37,130,462
13. San Francisco	33,682,025	37,696,363	16,032,845
14. Newark	30,418,990	36,283,704	52,116,445
15. Houston	29,526,810	35,319,503	27,337,265
16. Seattle	29,104,770	34,813,200	29,070,080
17. St. Louis	27,330,623	42,819,495	42,672,094
18. Oklahoma City	24,418,295	17,060,158	16,239,726
19. Buffalo	24,181,500	24,515,083	33,076,303
20. Akron	21,888,309	19,652,285	20,967,461
21. Yonkers	21,489,219	37,692,877	34,670,472
22. Minneapolis	20,960,135	23,257,725	22,421,820
23. Hartford	20,105,528	12,964,028	17,798,327
24. Long Beach	18,149,585	16,366,731	12,707,145
25. San Antonio	18,073,035	16,408,035	13,927,817

\$2,056,915,980

\$2,256,909,275

\$2,282,381,802

(P. F.) Indicates Plans Filed.

Building News Section

APARTMENTS

Plans To Be Prepared.

APARTMENTS Cost, \$73,000
ALAMEDA, Alameda Co., Cal. NW
 Santa Clara Ave. and Caroline St.
 Three-story and basement frame and
 stucco apartments (six 2-room, six
 3-room and six 4-room apts.; all
 modern conveniences).
 Owner—Blaine and Co., 369 Pine St.,
 San Francisco.
 Architect—Not Selected.

Plans Being Completed.

ALTERATIONS Cost, \$40,000
SAN FRANCISCO, NW Bush St. and
 Polk St.
 Alter present apartments.
 Owner—Estate of Louis Freidman.
 Architect—S. Helman, 605 Market St.
 Bids will be taken in two weeks.
 Work involves painting, electric wiring,
 plumbing, frigidaires. Plans will
 be ready for bids in about two weeks.

To Be Done By Day's Work.

APARTMENTS Cost, \$50,000
OAKLAND, Alameda Co., Cal. NW
 Bond and Cole Sts.
 Three-story 54-room frame and stucco
 apartments.
 Owner and Builder—C. R. House, 4455
 Masterson St., Oakland.
 Architect—John I. Easterly, Howden
 Bldg., Oakland.

Architect Taking Sub-Bids.

APARTMENTS Cost, \$75,000
BERKELEY, Alameda Co., Cal. Le-
 roy and Virginia Sts.
 Two and three-story frame and stucco
 apartments.

Owner—C. C. Dakin.
 Architect—C. C. Dakin, 1443 Josephine
 St., Berkeley.
 Contractor—Ben Pearson, 1808 Chan-
 ning Way, Berkeley.

To Be Done By Day's Work.

APARTMENTS Cost, \$40,000
SAN FRANCISCO, NE Francisco and
 Broderick Streets.
 Three-story and basement frame and
 stucco (12) apartments.
 Owner & Builder—Viggo Rasmussen,
 % Architect.
 Architect—Irvine & Ebbets, Call Bldg.,
 San Francisco.

Plans Being Figured.

APARTMENTS Cost, \$50,000
BURLINGAME, San Mateo Co., Cal.
 Carmelita St.
 Three-story and basement frame and
 stucco apartment building (12 4-
 and 5-room apts.)
 Owner—A. J. Mullin.
 Architect—Russell Coleman, 1404
 Broadway, Burlingame.

Plans Being Completed.

APARTMENTS Cost, \$75,000
SAN FRANCISCO, Cervantes & Scott
 Streets.
 Three-story and basement frame and
 stucco apartment with tile roof
 (18 3 and 4-room apts.)
 Owner and Builder—Ben. Liebman,
 Scott and Pardo Sts., San Fran-
 cisco.
 Architect—Irvine & Ebbets, Call Bldg.
 San Francisco.
 Will contain all modern conven-
 iences, including steam heat, hot
 water system, etc.
 Sub-bids will be taken within a few
 days.

Contract Awarded.

APARTMENTS Cont. price, \$16,522
SAN JOSE, Santa Clara Co., Cal. 1st
 and Oak Sts.
 Two-story reinforced concrete and
 frame apt. and stores (four three-
 room apts. and two stores).
 Owner—Mike Sasa, San Jose.
 Architect—Charles McKenzie, Bank of
 San Jose Bldg., San Jose.
 Contractor—Joseph Santi, San Jose.

Contract Awarded.

APARTMENTS Cost, \$100,000
MARYSVILLE, Yuba Co., Cal.
 Three-story and basement brick and
 stucco apartments (24 apts. 10 of
 3-rooms and 14 of 2-rooms).
 Owner—S. C. Dorn of Dorn-Bosse
 Realty Co., 517 E St., Marysville.
 Architect—Cole & Brouchard, 1st Na-
 tional Bank Bldg., Chico.
 Contractor—G. E. McDaniel, 814 13th
 St., Marysville.
 Air cooling system will be installed;
 electric heating; electric stoves and
 refrigerators; community laundry in
 basement.

Plans Being Completed.

APARTMENTS Cost, \$175,000
SAN FRANCISCO, NE corner Buena
 Vista Ave. and Waller St.
 Six-story class C basement and sub-
 basement apartment building (36
 2- and 3-room apts. and one 10-
 room apt.)
 Owner—Sunac Investment Co.
 Architect—Albert H. Larsen, 447 Sut-
 ter Street.
 Bids will be called for shortly.

Contract Awarded.

APARTMENTS Cost, \$25,700
SACRAMENTO, Sacramento Co., Cal.
 16th and P Sts., bet. 16th and 17th.
 Frame and stucco apartments (Calif-
 ornia-Spanish style; 2 units, 13
 apts. each).
 Owner and Builder—Charles Mackrell,
 1517 17th St., Sacramento.
 Plans by B. Aiken, Sacramento.
 Will be joined by a 80x20-ft. open-
 air swimming pool at rear. Project will
 be finished by June.

Plans Being Figured—Bids Close

March 20.
APARTMENTS Cost, \$18,000
CASTROVILLE, Monterey Co., Cal.
 Two-story and basement frame and
 stucco or brick apartment build-

A Demonstration of the SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
 (Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1222 Mission St.
San Francisco

Underhill
1267

ing (13 rooms; Spanish type).
 Owner—Mrs. Franco.

Architect—W. H. Weeks, Hunter-D-
 lin Bldg., San Francisco; 17
 Franklin St., Oakland, and Bai-
 of Italy Bldg., San Jose.
 Will contain large dining room, lo-
 by, booths and banquet rooms. Bi-
 are being received at the architect
 offices in San Jose.

Sub-Contracts Awarded.

APARTMENTS Cost, \$29,500
SAN FRANCISCO, NE Chestnut and
 Jones Streets.
 Three-story and basement frame and
 stucco apartments (8 apts.).
 Owner—A. La Rocca, 2360 Jones St.
 San Francisco.

Architect—Louis Mastropasqua, 5
 Washington St., San Francisco.
 Contractor—De Lucca & Son, 666 Mi-
 sion St., San Francisco.

Lumber—S. F. Lumber Co., Foot
 Mason St., San Francisco.
Iron Work—Star Ornamental Ir-
 on Works, 1271 Folsom St., S. F.

Tile Work—Novello & Baldanzl, 12
 24th St., San Francisco.

Roof and Roof Tile—H. & H. Roof
 Co., 2734 Army St., San Francis-
 co.

Terrazzo—M. H. Gnecco & Co.,
 Wood St., San Francisco.

Mill Work—Acme Bldg. Supply Co.
 516 Townsend St., San Francis-
 co.

Stairs—J. K. Stewart Co., 3150 13th
 St., San Francisco.

Hardwood Floors—Roma Hardwo-
 floor Co., 3539 Market St., S.
 Francisco.

Plastering—Martire & Allesandr.
 Glass—Crowe Glass Co., 675 Gold
 Gate Ave., San Francisco.

Electric Work—Collonan Elec. Co.
 3211 Mission St., San Francisco.

Plumbing and Heating—C. Peters
 Co., 390 6th St., San Francisco.

BONDS

SAN DIMAS, Los Angeles Co., C
 Trustees of San Dimas School Dis-
 trict called election for April 4
 vote bonds of \$30,000 for school. P
 posed bond issue for \$110,000 previo-
 ly defeated.

CUPERTINO, Santa Clara Co., C
 Election will be held March 23 in t
 Cupertino Union School District
 vote bonds of \$28,000 to finance p
 purchase of an acre of land on whic
 is proposed to erect classrooms to d
 present school. Trustees of the d
 trict are: I. A. Ball, J. L. Hask
 Harless Moses, C. R. Forge and W
 ren E. Hyde.

MENDOCINO CITY, Mendocino C
 Cal.—Mendocino City School Dist
 votes bonds of 18,500 to finance er
 ection of a new elementary school to
 place the one recently destroyed
 fire. The sum of \$23,250 will be av
 able for erection of the new scho
 \$4,750 being available from fire ins
 urance. Davis-Pearce Co., architect
 Grant and Weber Sts., Stockton.

SANTA CRUZ, Santa Cruz Co., C
 Laguna School District, at Seco
 election, defends proposal to is-
 sue bonds of \$8,000 to finance erecti
 on a new school. Vote was 22 in fav
 or and 13 against, a two-thirds major
 being required.

FORTUNA, Humboldt Co., Calif.—Fortuna School District votes bonds of \$35,000 to finance erection of a new school. The election carried 200 per cent in favor of the issue. Norman R. Outler, 46 Kearny St., San Francisco, architect.

CHURCHES

Contract Awarded.
CHURCH Cont. price, \$16,577
WATSONVILLE, Santa Cruz Co., Cal. Two-story reinforced concrete church with tile roof.
Owner—Japanese Presbyterian Church, architect—Rollin S. Tuttle, Box C, Los Gatos.
Contractor—T. H. Rosewall, Watsonville.
Will contain church auditorium, social hall and Sunday school.

Completing Plans.
ADDITION Cost, \$25,000
AKLAND, Alameda Co., Cal. 26th Street and Broadway.
Addition to present church.
Owner—First Presbyterian Church, (Rev. Frank Silsley).
Architect—Harry Cane, Albany.
Bids will be taken in two weeks.

Plans Being Prepared.
CHURCH Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal. Reinforced concrete church.
Owner—Roman Catholic Bishop (St. Stephen's Parish).
Architect—Harry De Vine, California State Life Bldg., Sacramento.
Bids will be called for in about two months.

Additional Sub-Contracts Awarded.
HAPPEL Cost, \$175,000
SAN FRANCISCO, Jones, Taylor, Sacramento and California Sts.
Last A chapel.
Owner—Grace Cathedral Parish.
Architect—Lewis F. Hobart, Crocker Bldg., San Francisco.
Contractor—Dinwiddie Construct. Co., Crocker Bldg., San Francisco.
Carpenter—Vermont Marble Co., 244 Brannan St., San Francisco.
Memorial Iron: Satorius Co., 18th and Hampshire, San Francisco.
Electric: Malott & Petersen, 3221 26th, San Francisco.

As previously reported
1st Stone—P. E. Denierville, 548 7th St., San Francisco.
All Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Structural steel awarded to Judson Lumber Co., 18th and Campbell Sts., Oakland; granite to McGilvray Raymond Co., 631 Townsend St., San Francisco; electric work to Central Electric Co., 179 Minna St., San Francisco; heating and ventilating to C. Petersen Co., 390 6th St., San Francisco; reinforcing steel to Soule Steel Co., Rialto Bldg., San Francisco.

Plans Being Prepared.
CHURCH Cost, \$800,000
SAN ANGELES, Cal. Sixth St. and Commonwealth Ave.
Reinforced concrete and steel church (Gothic Type: 330x220 ft.)
Owner—First Congregational Church of Los Angeles.
Architect—Allison & Allison, California Reserve Bldg., Los Angeles.

Sub-Contracts Awarded.
CHURCH Cost, \$35,000
ALHAMBRA, Mendocino Co., Cal. Two-story solid brick (brick veneer) walls church.
Owner—Ukiah Methodist Church (K. C. Everole, chairman of Building Committee), Ukiah.
Architect—Rollin S. Tuttle, Box C, Los Gatos.
Contractor—The Minton Co., Palo Alto and Mt. View.

Electric Work—Ukiah Electric Shop, Ukiah.
Painting—F. L. Bechtolt, Ukiah.
Excavating—J. Freitas, Ukiah.
As previously reported, heating plant awarded to Ukiah Sheet Metal Works, plumbing to H. W. Salls, Ukiah.

Low Bidder.
CHURCH Cost, \$—
POMONA, Los Angeles Co., Cal. Gibbs and Center Streets.
Three-story frame and stucco church (Spanish type).
Owner—First Presbyterian Church, Pomona.
Architect—March, Smith & Powell, 514 Architects Bldg., Los Angeles.
Low Bidder—International General Contractors, 800 Roosevelt Bldg., Los Angeles.

Contract Awarded.
CHURCH Cost, \$—
FRESNO, Fresno Co., Cal. Belmont Ave. and Thusta St.
Frame Gothic type church, 35 by 65-ft. Owner—Trinity Lutheran Church.
Architect—C. E. Butner, Cory Bldg., Fresno.
Contractor—Walter Harris, Fresno.
Will house auditorium, pastor's study, choir room and ladies' room; beamed ceilings throughout with exception of chancel which will have barrel ceiling; leaded glass windows will be donated by members of the congregation.

FACTORIES AND WAREHOUSES

Plans Being Prepared.
CREAMERY Cost, \$65,000
OAKLAND, Alameda Co., Cal. San Pablo Ave. and Athens St.
One and two-story brick and tile creamery.
Owner—Willow Brook Dairy.
Architect—Diggs & Marshall, Inc., Latham Square Bldg., Oakland.
Bids will be taken in two weeks.

Contract Awarded.
FACTORY, ETC. Cost, \$1,000,000
SEATTLE, Wash. Railroad Ave. near Vine Street.
Concrete pier, 600 ft. long, 170 ft. wide with part 2 and 3-story factory 350 ft. long by 140 ft. wide.
Owner—American Can Co., Seattle.
Architect—Eng. Dept. of Owner.
Contractor—A. W. Quist & Co., Hoge Bldg., Seattle.
Construction provides for steel columns and girders with masonry walls. The sum of \$250,000 is available, exclusive of the building contract, for the purchase of equipment.

Contract Awarded.
WAREHOUSE Cost, \$40,000
OAKLAND, Alameda Co., Cal. SW Sixth and Wester Streets.
Two-story brick warehouse.
Owner—Chas. E. Snook, Central Bank Bldg., Oakland.
Architect—A. R. Froberg, 520 Ray Bldg., Oakland.
Contractor—H. J. Christiansen, 519 Ray Bldg., Oakland.

TRACY, San Joaquin Co., Cal.—G. J. Daley, general superintendent of the Holly Sugar Crop, announces company will spend \$100,000 before next Fall in plant additions and installation of new equipment.

Planned.
REMODELING Cost, \$—
SAN FRANCISCO, 19th and Harrison Streets.
Remodel present building.
Owner—Pacific Foundry Co., 18th and Harrison Sts.
Architect—Not Selected.

Plans Being Completed.
WAREHOUSE Cost, \$50,000
WATSONVILLE, Santa Cruz Co., Cal. Warehouse and general offices.
Owner—Espendolas, Inc.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Bids will be taken in about two weeks.

Contract Awarded.
MFG. PLANT Cont. Price, \$24,260
OAKLAND, Alameda Co., Cal. Blind Home.
One-story and balcony broom manufacturing plant (reinforced concrete walls, wood frame and tile roof).
Owner—State of California.
Architect—Geo. E. McDougall, State Architect, Public Works Bldg., Sacramento.
Contractor—A. Frederick Anderson, 1033 Longridge Road, Oakland.

Contract Awarded.
ALTERATIONS Cost, \$110,000
OAKLAND, Alameda Co., Cal. 2743 San Pablo Ave.
Alterations and additions to creamery.
Owner—Standard Creameries Co., Ltd. 2743 San Pablo Ave., Oakland.
Architect—None.
Contractor—W. K. Owen, 3145 Pleitner Ave., Oakland.

Contract Awarded.
SHED Cost, \$10,000
WEST SACRAMENTO, Sacramento Co., Cal. Vicinity of M St. bridge.
Lettuce packing shed, 50x250 ft.
Owner—Sacramento Northern Railway 11th and I Sts., Sacramento.
Architect—Eng. Dept. of Owners.
Contractor—Campbell Const. Co., 800 R St., Sacramento.

SALEM, Ore.—Austin Co., Porter Bldg., Portland, complete plans and have contract to erect one-story concrete and timber laundry for Capitol City Laundry Company; 100 by 100 ft.; estimated cost \$35,000.

Plans Being Figured.
FACTORY Cost, \$—
SAN FRANCISCO, NW Seventh and Brannan Sts. (110x160 ft.)
Two-story, basement and mezzanine floor brick factory.
Owner—N. A. Petersen, president California Supply Co.
Architect—J. E. Kraft & Son, Phelan Bldg., San Francisco.

Sub-Contracts Awarded.
FACTORY Cost, Approx. \$300,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
Extension to present three-story concrete factory.
Owner—Consolidated Chemical Industries, San Francisco.
Architect and Contractor—Austin Co. of California.
Piling: Ben. C. Gerwick, 112 Market St., San Francisco.
Rein. Steel: Gunn, Carle & Co., 444 Market St., San Francisco.
Brick Work: Pacific Coast Aggregates 111 Sutter St. San Francisco.
Other awards will be made shortly.

Contract Awarded.
CREAMERY & OFFICES Cost approx., \$25,000
SACRAMENTO, Sacramento Co., Cal. South of Y St. (Industrial Tract).
One-story reinforced concrete creamery and one-story frame and stucco office building.
Owner—Federal Milk Co., Van Ness Ave. and Market Sts., San Francisco.
Architect—Harry De Vine, California State Life Bldg., Sacramento.
Contractor—Lindgren and Swinerton, Inc., California State Life Bldg., Sacramento.

KLAMATH FALLS, Ore.—Carl F. Gerlinger, Dallas, Ore., president of the Klamath Locomotive & Machine Works, recently organized, will erect a plant costing \$500,000 involving the erection of eight structures to house a complete locomotive, machine and mill supply store for the manufacture of Gerlinger lumber carriers, Pacific spark arrestors (used in locomotives) and centrifugal water pumps.

SAN FRANCISCO.—D. E. Burgess, Box 432, Stockton, at \$8,000 awarded contract by State Board of Harbor Commissioners, Ferry Bldg., for painting exterior wall of inner shed of Islais Grain Terminal, and painting roof of shed on Pier No. 29. Frank White, engineer, Ferry Bldg.
Contract Cancelled.

ADDITIONS Cost, \$—
SAN FRANCISCO. Mills Field Municipal Airport.

Additions to Hangars Nos. 2, 3 and 4. Owner—City and County of San Francisco.

Architect—Bureau of Engineering, Department of Public Works, 3rd floor, City Hall.

Contract for this construction was awarded last month to Spivock and Spivock, Hobart Bldg., at \$34,200. The contract was rescinded at the March 12th meeting of the Board of Public Works. New bids will probably be asked.

GARAGES AND SERVICE STATIONS

SUISUN, Solano Co., Calif.—N. C. Bennett and Son, local contractors, have started excavation in connection with the one-story corrugated iron and stucco garage in Main St. for C. M. Duren, local Buick distributor. Will be 40 by 80-ft. with 20-ft. L.

Contract Awarded.

GARAGE Cost, \$100,000
FRESNO, Fresno Co., Cal. SE Kern St. and Van Ness Ave.

Two-story fireproof garage, service departments and auto salesrooms (site 100x150 feet).

Owner—Rainbow Realty Co., Fresno.

Architect and Manager of Construction—Shields, Fisher & Lake, Pacific Southwest Bldg., Fresno.

Sub-Bids Wanted.

AUTO SALES BLDG. Cost, \$50,000
STOCKTON, San Joaquin Co., Cal. North El Dorado St., bet. Park and Flora Sts.

One-story brick auto sales and service building (concrete floors and wood trusses).

Owner—George Gilgert, Market and Union Sts., Stockton.

Architect—Victor Galbraith, Elks Bldg., Stockton.

Contractor—O. H. Chain, Bank of America Bldg., Stockton.

Lessee—Hart L. Weaver, Studebaker Agency, Stockton.

Plans To Be Prepared.

GARAGE Cost, \$—
SAN FRANCISCO. S Stevenson St. E Sixth Street.

Fireproof garage (160 ft. frontage).

Owner—Elmer B. Stone and Nellie C. Harris, Hobart Bldg., S. F.

Architect—Not selected.

Contract Awarded.

GARAGE Cost, \$30,000
EUREKA, Humboldt Co., Cal. NE Seventh and D Streets.

One-story fireproof garage (site 120x120 feet).

Owner—J. H. Crothers.

Architect—None stated.

Lessee—Clements-Oliver Co., Eureka.

Contractor—Halsby & Lax, Eureka.

OAKLAND, Cal.—City council denies application of Associated Oil Co. to erect an auto service station at intersection of Wesley Ave., Trestle Glen Rd. and Lake Shore Ave.

Plans Being Completed.

WAREHOUSE Cost approx. \$200,000
PALO ALTO, Santa Clara Co., Calif. Brick tire warehouse and super-service station.

Owner—Hirstone Tire & Rubber Co. Architect—Chas. McCall, 1404 Franklin St., Oakland.

All modern conveniences will be installed. Bids will be taken in two or three weeks.

MERCED, Merced Co., Cal.—W. A. Mack, representing Bert Cerrato, Merced, seeks permit from city council to install 12,000-gal. gasoline storage tank.

GOVERNMENT WORK AND SUPPLIES

SACRAMENTO, Cal.—Until March 20, 11 A. M., under Order No. 1777-HMR-81, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Sacramento, miscellaneous hotel-ware. Further information together with specifications obtainable from the above office.

Plans To Be Prepared.

GARAGE Cost, \$500,000
SAN FRANCISCO. Location withheld pending completion of negotiations. Two-story class A garage.

Owner—U. S. Government.

Architect—Supervising Architect, Treasury Department, Washington, D. C.

It is understood the structure must be erected within a one-half mile radius of the intersection of Market St. with the Embarcadero. It will occupy 53,000 sq. ft. of ground.

SAN FRANCISCO.—Until March 20, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to install mortuary refrigerator in Morgue of Building No. 27 at the Letterman General Hospital. Plans obtainable from above.

HAWTHORNE, Nevada—Plans are being completed by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6111, for laundry equipment for the Naval Ammunition Depot at Hawthorne. The work consists of furnishing and installing laundry equipment, including a washer, extractor, tumbler, ironer, presses, ironing boards etc., complete and ready for operation. When available plans and specifications may be obtained from the District Public Works Officer, Room 613, 100 Harrison Street, San Francisco, California, upon deposit of \$10, check or postal money order payable to the Chief of the Bureau of Yards and Docks.

SACRAMENTO, Cal.—Until March 19, 11 A. M., under Schedule No. 1764-1610, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County:

15 quarts White enamel, best quality, in 1 qt. cans.

20 pints Red Engine Enamel, standard quality, in 1 pint cans.

15 pints Banana Oil Bronzing Liquid, in 1 qt. cans.

3 gals. Stockholm Tar, standard quality, in 1 gal. cans.

10 lbs. Prussian Blue, in oil, in 1 lb. cans.

5 lbs. Venetian Red, in oil, in 1 lb. cans.

Further information obtainable from above office.

SAN FRANCISCO.—Until March 17, 2 P. M., bids will be received by Superintendent of Lighthouse, Custom house, San Francisco, to furnish and install complete, two 4000-lb. capacity, electric, manually controlled elevators, one in Warehouse Building and another in Shop Building at Goat Island Lighthouse Depot, San Francisco Bay. Specifications obtainable from above office.

SAN FRANCISCO.—Burnham Plb Co., 1220 Webster St., at \$23 submitted lowest bid to Constructing Quartermaster, Fort Mason, for repairs to hot water heating system in Officers Quarters and Administration Building at Fort Barry. Following is a complete list of the bids:

Burnham Plumbing Company.....\$ 62

Skelly & Kohler..... 63

O'Mara & Stewart..... 91

Knittle Brothers..... 91

Gilley-Schmidt Company..... 99

A. G. Atwood..... 121

Bids held under advisement.

SAN FRANCISCO.—A. J. Ralsch Co. 46 Kearny St., at \$1440 submitted lowest bid to Constructing Quartermaster, Fort Mason, to resurface road at Fort Winfield Scott. Other bidders were:

Fay Improvement Co.....\$14

L. J. Cohn..... 177

Eaton & Smith..... 216

E. J. Tracy..... 221

Peter McHugh..... 271

Bids held under advisement.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedule further information being available from the Navy Purchasing Officer, 11 Harrison St., San Francisco:

Bids Open March 25

Sch. 3065, western yards, admiralty metal condenser tubes.

Sch. 3018, Mare Island, 2,000 lb soda lime.

Sch. 3017, Mare Island, boiler tub brushes.

Sch. 2974, western yards, steel boiler tubes.

Sch. 2977, western yards, malleable iron pipe fittings.

Sch. 2952, New York or San Francisco, 1 gasoline-motor driven roller.

Sch. 2981, Mare Island, Puget Sound 4 roller bearings.

Sch. 3062, Puget Sound 160,000 lb iron or steel welding rods.

Sch. 3003, San Diego, 2 dish washing machines.

Sch. 2993, Puget Sound, 1 motor driven milling machine.

HAWTHORNE, Nevada—Until April 2, under Specification No. 6110, bid will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for one 100-ton or 15-ton scale at the Naval Ammunition Depot at Hawthorne, Nevada. The work consists of one 100-ton (200,000-lb.) railroad track scale, one 1-ton (30,000-lb.) motor truck scale and the services of an expert erector to supervise and assist in the installation, all complete. Plans and specifications may be obtained from the District Public Works Officer, Room 51, 100 Harrison St., San Francisco, California, upon deposit of \$10.00, check or money order, payable to the Chief of the Bureau of Yards and Docks.

SAN FRANCISCO — Postmaster Harry L. Todd announces negotiations have been completed to lease quarters at 753 Clay St. for a Chinese branch post office. It is proposed to remodel the quarters in Oriental style.

HAWTHORNE, Nevada — Until March 25, 10 A. M., new bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish hydraulic lifting device for trucks at Naval Ammunition Depot at Hawthorne, Nevada. Specifications obtainable from above office or from Navy Purchasing Office, 100 Harrison St., San Francisco.

HAWTHORNE, Nevada — Thomas Avery Co., 316 E. Eighth St., Los Angeles, at (1) work complete, \$288, \$5 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 5931, for distributing systems, etc., at Hawthorne, Nevada.

The work consists of oil, steam and return, electric light, telephone, fire alarm, power, street lighting and sewerage disposal systems, also a hot water line, and concrete and bituminous macadam paving, all complete and ready for use.

WASHINGTON, D. C. — (By Special Wire) — Fitton and Livergreen, Seattle, at \$178,700 on March 12 submitted a bid to Bureau of Yards and Docks, Navy Department, under Specification No. 6053, to erect shop building, approximately 260 by 100 ft., and one-story storehouse, approximately 200 by 100 ft., having concrete foundations and floors, steel framing, brick and hollow tile walls, and built-up roofing, and a concrete seaplane runway at the naval air station, Seattle. The next low at \$130,610. A complete tabulation of the bids received will be published in these columns shortly.

WASHINGTON, D. C. — (By Special Wire) — R. S. Chase, at \$25,500 submitted low bid March 12 to the Bureau of Yards and Docks, Navy Department, under Specification No. 5921, for extension of motor testing building at the naval operating base (air station), Pearl Harbor, T. H. Work includes earthwork, concrete, steel and iron work, tubular steel and hollow metal doors, steel windows, roofing and sheet metal work, woodwork, masonry, glazing, painting, and electrical lighting. A complete tabulation of the bids received will be published in these columns shortly.

SAN FRANCISCO — Until March 18, A. M., under Schedule No. 928-30, bids will be received by Quartermaster Supply Office, General Depot, Fort Mason, to furnish and deliver: 4500 round head stove bolts (square nuts); one ton of smithing coal; 224 lbs. marine glue; 20 cts. galvanized iron; 20 pcs. Spruce lumber, "B" and better, flat grain, 14-14 in. and 16 ft. long, S2S to 1/2 in. net; 2000 ft. 1x4-in. and 3000 ft. 1-in. O. P. or Douglas Fir, selected medium, rough, in 14 to 16 ft. lengths; 10 ft. 1/2 inch and 500 ft. 3/4 inch rough iron pipe, welded, galvanized, per A. standard weight. In commercial lengths, threaded, ends to be protected with couplings or one coupling and one thread protector; 200 lbs. lead; 1000 lbs. pure black tin; 25 lbs. copper washers for 1/4-in. bolts. In O. D. approx. .065 inch thick. Further information obtainable from above.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
CLUB HOUSE Cost, \$100,000
GLENDALE, Los Angeles Co., Cal.
Grand Central Airport.
Frame and stucco club house.
Owner—Grand Central Airport, Glendale, Victor M. Clark, Manager.
Architect—H. L. Gogerty, Hollywood Guaranty Bldg., Glendale.
Contractor—Wittner Constr. Co., 2404 W. 7th St., Los Angeles.

Preparing Working Drawings.
CATHEDRAL Cost, \$100,000
LOS ANGELES, Cal. Commonwealth Ave. and Fourth St.
Steel frame and reinforced concrete Scottish Rite Cathedral (auditorium to seat 1500).
Owner—Los Angeles Consistory Scottish Rite Masons.
Architect—John C. Austin and F. M. Ashley, Chamber of Commerce Bldg., Los Angeles.

Preparing Working Drawings.
CLUB BLDG. Cost, \$400,000
LONG BEACH, Los Angeles Co., Cal.
Cedar Ave. near Ocean Blvd.
Three-story concrete club building (80x150 feet).
Owner—Long Beach Lodge No. 838, E. P. O. E.
Architect—W. Horace Austin, Pacific Southwest Bldg., Los Angeles, and Schilling & Schilling, Farmers and Merchants Bank Bldg., L. A.

ORLAND, Glenn Co., Calif. — E. M. Noble, Marysville contractor, desires sub-bids in connection with the two-story Memorial building, to be erected in Orland for Glenn County, on which bids, to be opened March 11th, are now being taken. Plans were prepared by Architect Jens C. Petersen, 826 26th St., Sacramento. Sub-bids are desired on electrical work, plumbing, heating, painting, plastering and sheet metal work.

Contract Awarded.
CLUB BLDG. Cost, \$65,000
Total cost of improvement \$540,000
MILLBRAE, San Mateo Co., Cal.
One and one-half story frame and stucco Spanish type club house.
Owner—Union League Golf & Country Club (Subsidiary of Union League Club).
Architect—Wills Polk Co., 277 Pine St., San Francisco.
Contractor—C. T. Magill, 155 19th Ave., San Francisco.
Painting—A. Zelinsky, 4420 California St., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco.
Fixture contract not yet awarded.

Preliminary Plans Being Considered.
TEMPLE Cost, \$150,000
SANTA CRUZ, Santa Cruz Co., Cal.
Cathart St. and Pacific Ave.
Four-story Class A Masonic Temple (site 110 ft. on Pacific Ave. with depth of 135 ft.).
Owner—Santa Cruz Lodge No. 38, A. F. and A. M.
Architect—Not Yet Selected.
Preliminary plans submitted by several architects, provide for a four-story structure with stores on the ground floor and lodge and office room in the upper floors.

OAKLAND, Cal. — Athens Athletic Club, 12th and Clay Streets, contemplates alterations in the present quarters involving changes in the steam heating system and enlargement of steam and hot room facilities. Preliminary plans submitted by Architect J. J. Donovan, Tapscott Bldg., Oakland, have received favorable consid-

eration, according to the secretary of the club.

Plans Being Figured—Bids Close Mar. 24, 11 A. M.
MEMORIAL BLDG. Cost, \$—
MILMAR, Merced Co., Cal. Lander and Merced Avenues.
Veterans' Memorial Building (site 75 by 150 ft.).
Owner — County of Merced, P. J. Thornton, County Clerk.
Engineer—W. E. Bedesen, Shaffer Bldg., Merced.

Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans on file in office of clerk and obtainable from engineer on deposit of \$10, returnable. Bids will be opened in Merced March 24.

Contract Awarded.
CLUB BLDG. Cost, \$10,000
MANTECA, San Joaquin Co., Calif.
Grant St.
One-story frame and plaster club building, 56 by 120 ft.
Owner—Portuguese Lodge, F. D. E. S. M., Manteca.

Private Plans.
Contractor—Manuel Lemos, Ripon.
Will contain dance floor, 54 by 96 ft., balcony, 56 by 16 ft. Officers of the organization are: A. T. Silva, president; Frank Mendes, vice-president; M. Lemos, treasurer; David Rocha, secretary; J. J. Machado, John Mendosa, M. Leal, John Foster, Joe Silva, directors.

Bids Rejected—Plans Being Revised.
AUDITORIUM Cost 1st unit, \$150,000
Cost total, \$500,000
RENO, Nevada. First and Chestnut Streets.

Two-story and basement Class A concrete and steel Scottish Rite Auditorium.
Owner—Scottish Rite Masonic Temple Association.
Architect—Carl Werner and S. Helman, associated, 605 Market St., San Francisco.

Bids ran too high. Plans are being revised and new bids will be called for at a later date.

Contract Awarded.
MEMORIAL BLDG. Cost, \$—
ORLAND, Glenn Co., Cal.
Two-story reinforced concrete American Legion Memorial Bldg.
Owner—County of Glenn.
Architect—J. C. Petersen, California State Life Bldg., Sacramento.
Contractor—Azevedo & Sarmiento, 920 O St., Sacramento, \$46,500.

Will have stucco finish with varicolored terra cotta trimmings. Auditorium will seat 1200 and will be 112x60-ft., club room 37x21-ft., Legion hall 23x32-ft., recreation room, 21x24-ft. Interior finish of gum wood and white maple floor in auditorium.

Following is a complete list of bids received:

General Contract	
Azevedo & Sarmiento, Sacto.....	\$46,500
E. M. Noble	49,550
W. J. Shalz, Chico.....	45,945
J. M. Evans & Sons, Chico.....	49,659
Campbell Const. Co., Sacto.....	50,484
Chas. F. Union, Sacramento.....	51,682
Ecker & Stegmiller, Sacto.....	53,327
David Nordstrom, Oakland.....	57,474

Plans Being Completed.
BUILDING Cost, \$400,000
OAKLAND, Alameda Co., Cal. Location withheld.
Six-story and basement class C steel frame and concrete building.
Owner—Salvation Army.
Architect—Douglas Stone, Gt. Western Power Bldg., Oakland.
Plans will be ready for bids in one week.

Plans Being Prepared.

CLUB BLDG. Cost, \$30,000.
MOUNTAIN VIEW, Santa Clara Co., Calif.
 Two-story reinforced concrete club building.
 Owner—American Legion, Mt. View.
 Architect—Alex. A. Cantin, 544 Market St., San Francisco.

WILLOWS, Glenn Co., Cal.—Western Venetian Blind Co., at \$377 submitted low bid to county supervisors to furnish and install Venetian Blinds in quarters occupied by county library, survey, horticultural commissioner, welfare department and laboratory in Willows Memorial Building. Complete list of bids follows:
 Western Venetian Blind Co. \$377
 D. N. & E. Walter 390
 New England Furniture Co. 408
 C. F. Weber Co. 439
 W. A. Rapp Co. 450
 H. S. Crocker Co. 617
 H. S. Crocker Co. also submitted an alternative bid at \$464.40. All bids taken under advisement.

ARCATA, Humboldt Co., Cal.—Oliver S. Almie, Arcata, at \$24,779, submitted low bid to the County Supervisors at Eureka to erect American Legion Memorial Building at Arcata. Newton W. Ackerman, architect, 102 West 4th St., Eureka.

J. P. Ryan, low for plumbing, at \$925.
 Dolson Electric Co., low for electrical work at \$590.

Following is an unofficial listing of the bids received:

General Contract

Oliver S. Almie, Arcata \$24,779
 F. J. Maurer & Son, Eureka \$26,242
 Mercer Fraser Co., Eureka \$29,500
 Geo. S. Hugnin \$29,847
 Frank Johnson \$29,874
 Architect's estimate \$22,000

Electric Work

Dolson Electric Co. \$590
 Hülfer Electric Co. \$609
 Arcata Electric Co. \$674
 Home Electric Co. \$739

Plumbing

J. P. Ryan \$925
 A. Brizard Co. \$1321
 Harris Sheet Metal Co. bid \$2176 for heating system.

All bids taken under advisement.

FORTUNA, Humboldt Co., Cal.—F. J. Maurer & Son, Eureka, at \$31,169 submitted low bid to the County Supervisors at Eureka to erect American Legion Memorial Building at Fortuna. Newton W. Ackerman, architect, 102 West Fourth St., Eureka. An unofficial list of the general contract figures are:

General Contract

F. J. Maurer & Son \$31,169
 Chris Winkler \$31,671
 Halsby & Lax \$33,980
 Bids taken under advisement. Complete bid listing will be published shortly.

HOSPITALS

Contract Awarded.
ADDITION Cost, \$650,000.
SAN FRANCISCO. Fell and Baker Streets.
 Addition to present class A hospital.
 Owner—Southern Pacific Railroad Co., 65 Market St.
 Architect—Alfred I. Coffey and Martin J. Rist, Phelan Bldg.
 Contractor—Barrett & Hilp, 918 Harrison St.

SAN FRANCISCO.—An endowment of \$60,000,000 to finance erection and maintenance of a new medical school building and a new clinical hospital for Stanford University Hospital is proposed by friends of the institution,

according to an announcement of Dean William Ophuls and Dr. R. B. Seem, physician superintendent. Trustees of the school have already provided \$1,250,000 for the construction of a new wing to Stanford Hospital, plans for which are being prepared by Architects Bakewell and Arthur Brown, Jr., associated, 251 Kearny St.

Plans Being Completed.
HOSPITAL Cost, \$400,000.
PALO ALTO, Santa Clara Co., Cal. On State Highway north of Palm Drive.
 Four-story reinforced concrete hospital (100-bed capacity).
 Owner—City of Palo Alto.
 Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.

Laundry, heating plant, kitchen and store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and third floors will be devoted to accommodation of patients in addition to two, three and four-room wards and 15-room nursery. Large sun porch will also be located on second floor. Fourth floor will be given over to surgery.

Bids will be called for in from two to three weeks.

Contract Awarded.
DETENTION HOME Cont. Price, \$31,593.
SALINAS, Monterey Co., Cal.
 One-story reinforced concrete county detention home with tile roof (accommodations for 20 children).
 Owner—County of Monterey.
 Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.
 Contractor—M. J. Murphy, Inc., Carmel.

Preliminary Plans Being Prepared.
HOSPITAL Cost, \$200,000.
OAKLAND, Alameda Co., Cal. Slope above Olney Road.
 Hospital building (height and type of construction not determined).
 Owner—Mills College, Oakland.
 Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Oakland.
 The structure will include private rooms and wards, a diet kitchen, isolation wards and quarters for physicians and nurses.

Proposed building will be constructed in connection with \$2,000,000 building program.

SONORA, Tuolumne Co., Cal.—A. B. Bowen and Joseph Bennett, Sonora, at \$1248 awarded contract by county supervisors to paint interior of female section of county hospital.

Plans Being Figured—Bids Close
 March 24, 10 A. M.
ADDITION Sost, \$—
MERCED, Merced Co., Cal. County Hospital Grounds.
 Tubercular Ward addition.
 Owner—County of Merced, P. J. Thornton, County Clerk.
 Engineer—W. E. Bedesen, Shaffer Bldg., Merced.

Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from engineer on deposit of \$10, returnable.

Contract Awarded.
ANNEX Cost, \$100,000.
PORTLAND, Oregon.
 Three-story fireproof annex to hospital.
 Owner—Coffey Clinic and Hospital.
 Architect—Sutton & Whitney, Portland.
 Contractor—W. A. L. Shattuck Const. Co., Portland.

Will have capacity of 35 patients and will house, besides the private

rooms, the x-ray and diagnosis laboratories of the clinic. A boiler plant will also be erected under this contract.

Bids Opened.
DETENTION HOME Cost, \$30,000.
SALINAS, Monterey Co., Cal.
 One-story reinforced concrete county detention home with tile roof (accommodations for 20 children).
 Owner—County of Monterey.
 Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.
 Low Bidder—M. J. Murphy, Inc., Carmel, \$31,593.

Following is a complete list of the bids:
 M. J. Murphy, Inc., Carmel \$31.5
 Carl N. Swensen, San Jose 32.0
 J. H. Clark 32.7
 Geo. J. Maurer, Oakland 32.9
 George R. Dean 33.0
 H. H. Larsen, San Francisco 35.8
 W. Walstrom, San Jose 35.9
 S. C. Carlsen, San Jose 36.0
 Vogt & Davidson, S. F. 36.3
 F. C. Stolte, Oakland 36.3
 C. L. Wold Co., San Francisco 37.8

HOTELS

Plans To Be Prepared.
ROOMING HOUSE Cost, \$—
SACRAMENTO, Sacramento Co., Cal. No. 223-225 K St. (160x80 feet).
 Three-story frame and stucco rooming house and stores.
 Owner—Ohashi Investment Co. of Sacramento, Nicolaus Bldg., Sacramento, % Architect.
 Architect—Not Selected.
 Agent—Howard D. Kerr Nicolaus Bldg., Sacramento.

Sub-Bids Being Taken.
HOTEL Cost, \$100,000.
SAN RAFAEL, Marin Co., Cal. Laurel Place and Nye St.
 Two-story 200-room brick hotel bid (North African type).
 Owner and Builder—C. R. Danzige 1860 Jackson St., and 222 Kearny St., San Francisco.
 Architect—F. H. Slocombe, 58 Canbridge Way, Piedmont.

SAN LUIS OBISPO, Cal.—Kimball Elevator Co., 1579 W. Jefferson S. Los Angeles, awarded contract for furnishing and installing automatic electric elevator in three-story Class hotel building under construction: San Luis Obispo for Wagner Estate Plans by Architects Perrine & Renfro 717 Lincoln Bldg., Los Angeles.

Construction Started.
HOTEL Cost, \$485,000.
DANA POINT, Orange Co., Cal.
 Masonry resort hotel (250 ft. square 52 rooms).
 Owner—Dana Point Inn, Allen J. Peterson, Managing Director.
 Architect—None.
 Contractor—Western Const. Co., 47 E. 52nd Drive, Maywood.

Additional Contracts Awarded.
ADDITION Cost, \$60,000.
EUREKA, Humboldt Co., Calif.
 Addition to present hotel (English timber construction).
 Owner—Eureka Inn.

Engineer—Frederick Whitton, 369 Pine St., San Francisco.
 Mill Work—Hammond Lbr. Co., Eureka.

Water Filters—International Filter Co. Monadnock Bldg., San Francisco.
 G'ass—W. C. McDonald, Eureka.
 As previously reported, excavating concrete and carpentry contract awarded to Mercer Fraser Co., Eureka, at \$10,500. Work consists of coffee shop, kitchen, laundry and new street front.

Correction in Awards.
HOTEL Cost, \$500,000
SAN JOSE, Santa Clara Co., Cal. W
 Santa Clara St. and Notre Dame
 Avenue.
 Owner—San Jose Community Hotel
 Company.
 Architect—W. H. Weeks, Hunter-Du-
 lin Bldg., San Francisco; 1736
 Franklin St., Oakland, and Bank
 of Italy Bldg., San Jose.
Ornamental Iron—Heinig Iron Works,
 San Jose, \$5,835.
Marble—Jos. Musto Sons—Keenan Co.,
 535 North Point, San Francisco,
 \$6,083.
Glass and Glazing—Wigren Laurence
 Glass Co., Los Angeles, \$3,900.
 Previously reported as being award-
 ed on the San Jose Properties, Ltd.,
 hotel, to be erected on the SW corner
 of San Fernando and 4th Sts., San
 Jose.

POWER PLANTS

OAKLAND, Cal.—Until March 19,
 3 P. M., bids will be received by
 John H. Kimball, secretary, East Bay
 Municipal Utility District, 512 16th
 St., to construct and furnish f. o. b.
 and Adeline Sts., Oakland, trans-
 former equipment for Pumping Plants.
 Specifications obtainable from above.

SEATTLE, Wash.—Westinghouse
 Electric & Manufacturing Co., Lloyd
 Bldg., Seattle, awarded contract by
 city to furnish and install seven 22-
 1/2 kva. transformers. Maloney Elec-
 tric Co., Smith Tower Bldg., Seattle,
 awarded contract to furnish three 1000
 va. transformers. All equipment will
 be used in connection with the Diablo
 hydro-electric plant and will cost in
 excess of \$300,000.

HAWTHORNE, Nevada—See "Gov-
 ernment Work and Supplies" this
 issue. Contract awarded to Thos.
 Avery Co., Los Angeles, for street
 lighting, sewage disposal system,
 paving, etc.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans Being Figured—Bids Close April
2 P. M.
ARMORY \$75,000 Available
ON BEACH, Los Angeles Co., Cal.
 Two-story reinforced concrete armory
 with steel roof.
 Owner—State of California.
 Architect—George B. McDougall, State
 Architect, Public Works Bldg.,
 Sacramento.

Structure will be of steel and con-
 crete frame construction with con-
 crete walls and floors, steel and wood
 construction and tile and cement
 tile roofs. The floor area is ap-
 proximately 21,265 square feet. At-
 least bids are wanted for a garage
 addition.
 Bids are wanted for (a) general
 contract and (b) for mechanical work
 which includes plumbing, heating and
 electrical work. Separate bids will
 be received for electric work and for
 plumbing and heating work. Com-
 bined bids will also be considered
 including all three branches of the
 work.

See call for bids under official pro-
 posal section in this issue.

SAN CARLOS, San Mateo Co., Cal.—
 National Bankitaly Co., purchaser of
 \$20,000 bond issue of the City of
 San Carlos to finance erection of a new
 city hall, seeks a court ruling on the
 validity of the bond issue. The bank
 claims that the bonds are illegal inas-
 much as the specific cost of construc-
 tion was not stated.

Preliminary Plans Submitted.
ADDITION Cost, \$500,000
FRESNO, Fresno Co., Calif.
 Five-story fireproof wing addition to
 Courthouse.
 Owner—County of Fresno, D. M.
 Barnwell, county clerk.
 Architect—W. D. Coates, Jr., 626
 Rowell Bldg., Fresno.
RIVERSIDE, Cal.—Until 10 A. M.,
 March 24, bids will be received by
 Board of Supervisors of Riverside
 County for reinforced concrete and
 steel addition to county court house
 at Tenth and Orange Sts., Riverside.
 Will be three-story and basement
 Class A structure containing 56,000
 sq. ft. of floor space. Cost, \$235,000.
 G. Stanley Wilson, 642 W. Ninth St.,
 Riverside, architect. Jail cell work
 and elevators not included and bids
 for these items will be taken later.
 The jail will be located in third story.

DELANO, Kern Co., Cal.—Until
 April 1st bids will be received by De-
 lanos City Trustees for addition to fire
 house. Alternate bids will be taken
 on brick structure with stucco ex-
 terior and a hollow tile structure with
 brick veneer exterior.

SAUSALITO, Marin Co., Cal.—City
 trustees propose to sell present town
 hall site and with the proceeds of the
 sale purchase land on which to estab-
 lish a civic center to contain a new
 city hall of the Spanish type and a
 municipal library. William Faville,
 San Francisco architect, has endorsed
 the proposal which will provide the
 city with a site having a 250 ft. front-
 age in Princess St. near Water St.

Bids Rejected—New Bids Being Tak-
en—To Be In March 25th.
ALTERATIONS Cost, \$—
ARCATA, Humboldt Co., Cal.
 Alterations and additions for city hall.
 Owner—City of Arcata.
 Architect—N. R. Coulter, 46 Kearny
 St., San Francisco.
 On previous call for bids lowest bid
 was submitted by Frank Johnson of
 Arcata at \$31,700.

Bids Opened.
CITY HALL Cost, \$40,000
HAYWARD, Alameda Co., Cal.
 Three-story reinforced concrete city
 hall.
 Owner—City of Hayward.
 Architect—E. P. Whitman, Hayward.
 Low Bidder—Frank Barry and F. J.
 Westlund, 625 40th St., Oakland.
 Will contain offices for the police
 department, city attorney, city clerk,
 city engineer, supt. of streets and tax
 collector, water department, health
 center and recorder or police judge,
 besides a city jail and a city council
 meeting room.

Following is a complete list of the
 bids:
 Frank Barry and F. J. West-
 lung, Oakland.....\$65,840
 George Petersen, Hayward.....67,401
 A. F. Hansen, Oakland.....69,975
 F. C. Stoltz, Oakland.....71,900
 Jas. L. McLaughlin Co., S. F.....71,981
 E. T. Lesure, Berkeley.....73,960
 C. D. Vezey & Son, Oakland.....73,975
 S. Rasori, San Francisco.....74,338
 Jacobs & Pattiani, Oakland.....75,176
 Wm. C. Keating, Oakland.....75,900
 Barrett & Hilp, San Francisco.....76,609
 Bids held under advisement.

Bids Opened.
COUNTY JAIL Cost, \$—
WILLOWS, Glenn Co., Cal.
 Two-story and basement reinforced
 concrete county jail.
 Owner—County of Glenn.
 Architect—O. A. Delchmann, 110 Suter-
 street, San Francisco.
 Low Bidder—David Paginlin, 519 Call-
 fornia St., San Francisco, \$35,999.

Complete list of bids follows:
 David Paginlin, San Francisco.....\$35,998
 Oliver S. Ahlme, Arcata.....38,479
 Mathews Const. Co., Sacto.....39,576
 Ralph McLeran Co., S. F.....39,825
 Campbell Const. Co., Sacto.....39,848
 J. M. Evans & Sons, Chico.....39,974
 Sullivan & Sullivan, Oakland.....39,980
 Arthur S. Remter, Artois.....39,989
 Lindgren & Swinerton, S. F.....39,999
Jail Equipment
 Pauly Jail Building Co., Saint
 Louis, Mo.....\$17,980
 Van Dorn Iron Works, S. F.....19,233
 Dinuba Steel Prod. Co., S. F.....19,730
 Freeze & Sons, Covington, Ky., 20,963
 Southern Prison Co., San An-
 tonio, Texas.....25,159
 All bids taken under advisement.

RESIDENCES

Plans Being Figured By Selected List
of Contractors.
RESIDENCE Cost, \$10,000
DEL MONTE, Monterey Co., Cal. •
 Two-story frame and stucco residence.
 Owner—Chas. Nounan.
 Architect—Wm. Raiguel, Hotel Dei
 Monte, Del Monte.

Sub-Bids Wanted
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo County,
 Cal. Woodstock Ave.
 Two-story and basement frame and
 stucco residence (9 rooms).
 Owner and Builder—George W. Wil-
 liams & Co., 1404 Broadway, Bur-
 lingham.
 Architect—Grimes & Schoening, Bal-
 oich Bldg., San Mateo.
 Construction is to start March 17.

Contract Awarded.
RESIDENCE Cost, \$25,000
SAN MATEO, San Mateo Co., Cal.
 Baywood Park.
 Two-story frame and stucco residence.
 Owner—Mrs. N. W. Schneider.
 Architect—Enri E. Cavasso, 235 Third
 St., San Mateo.
 Contractor—The Ninton Co., Mt. View.

Contract To Be Awarded.
RESIDENCE Cost, \$8000
BERKELEY, Alameda County, Cal.
 Spruce and Virginia Sts.
 Two-story and basement seven-room
 frame and stucco residence.
 Owner—Mrs. E. M. Howell, 1423 Ox-
 ford St., Berkeley.
 Architect—James Plachek, Mercantile
 Bank Bldg., Berkeley.
 Contractor—W. L. Glasgow, 535 Ar-
 lington St., Berkeley.

Contract Awarded.
RESIDENCE Cost, \$25,000
PIEDMONT, Alameda Co., Cal. St.
 James Wood.
 Owner—A. G. Murphy.
 Architect—Sidney E. Nohle & Archie
 T. Newsom, Federal Realty Bldg.,
 Contractor: George Maurer, 50 York
 Drive, Oakland.

Preparing Plans—Contract Awarded.
RESIDENCE Cost, \$11,000
SAN MATEO, San Mateo Co., Calif.
 Baywood Park.
 Two-story frame and stucco residence
 (7 rooms).
 Owner—Enri Cavasso.
 Architect—Enri Cavasso, 235 Third
 St., San Mateo.
 Contractor—Sierra Const. Co., 235 3rd
 St., San Mateo.
 Construction will be started in from
 three to four weeks.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$18,000
OAKLAND, Alameda Co., Cal. Clare-
 mont Pines.
 Two-story frame and stucco Spanish
 type residence.
 Owner—Mrs. Helen Jackson, 1845 E
 23rd St., Oakland.
 Architect—Lawrence Vernon, % owner

Contract Awarded.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Calif. 1701
Spruce St.
Two-story frame and stucco residence
(8 rooms).
Owner—A. E. Bieglow, 150 Ardmore
Road, Berkeley.
Architect—None.
Contractor—Bieglow & Son, 150 Ord-
more Road, Berkeley.

Preparing Working Drawings.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co.,
Cal. Woodstock.
Two-story and basement frame and
stucco residence (9 rooms, 3 baths)
Owner and Builder—G. W. Williams,
1404 Broadway, Burlingame.
Plans by Russell Coleman, 1404 Broad-
way, Burlingame.
Sub-bids will be taken in 1 week.

Plans Being Figured.
RESIDENCE Cost, \$5500
STOCKTON, San Joaquin Co., Calif.
One-story and basement frame, stucco
and brick veneer residence (5
rooms).
Owner—Mr. McKay.
Architect—W. F. Young, 221 Bank of
Italy Bldg., Stockton.

PRESCOTT, Ariz. — United Verde
Copper Co., Clarkdale, will receive
bids until March 17 for forty em-
ployees houses at Clarkdale. Cost,
\$160,000.

Contract Awarded.
ADDITION Cost, \$6,000
ATHERTON, San Mateo Co., Cal. Fair
Oaks Lane.
Addition to present residence.
Owner—M. Mitau, premises.
Architect—Gordon Kaufmann.
Contractor—Jacks & Irvine, 74 New
Montgomery St., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$15,000
HAYWARD, Alameda Co., Cal.
Two-story and basement frame and
stucco residence.
Owner—P. H. Hoare, Redwood Road,
Castro Valley, Hayward.
Architect—Wm. Knowles, 1214 Web-
ster St., Oakland.
Contractor—J. J. Thorup, 227 Main St.,
Hayward.

Contract Awarded — Construction
Started March 10.
RESIDENCE Cost, \$10,000
MODESTO, Stanislaus Co., Cal. Mc-
Henry Ave.
Two-story 8-room frame and brick
veneer residence (2 baths).
Owner—J. Ruddy, Rt. B, Modesto.
Architect—G. N. Hilburn, 1220 I St.,
Modesto.
Contractor—H. W. Rebman, 914 6th
St., Modesto.

Structure will have a brick veneer
exterior; tile roof; interior partitions
of plaster; oak flooring; oil burning
heating system; one electric refrig-
erator.

Completing Plans.
RESIDENCE Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal.
Pasatiempo Golf Course & Estates
Property (2 acre site).
One-story and basement 8-room frame
and stucco residence.
Owner—Robert Howes.
Architect—William Wilson Wurster,
260 California St., San Francisco.
General bids will be taken in one
week.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. 1137-
1139 Virginia St.
One-story 8-room frame and stucco
residence.

Owner and Builder—Perkins Hamp-
ton, 1511 Woolsey St., Berkeley.
Architect—L. F. Hyde, 372 Hanover
St., Berkeley.

Contract Awarded.
ALTERATIONS Cost, \$12,000
PALO ALTO, Santa Clara Co., Calif.
970 University Ave.
Alterations to present residence.
Owner—T. H. Clive, premises.
Architect—None.
Contractor—Russell & Duncan, prem-
ises.

Construction Started.
RESIDENCE Cost, \$9,000
SANTA CRUZ, Santa Cruz Co., Cal.
Upper Van Ness Ave.
One-story 7-room Spanish type frame
and stucco residence.
Owner—A. D. Chance.
Plans by L. D. Esty, Alta Bldg., Santa
Cruz.
Contractor—Wm. Frusen, Santa Cruz.

Sub-Bids Being Taken.
RESIDENCE Cost, \$6,000
SAN LEANDRO, Alameda Co., Calif.
Estudillo Estate.
Two-story frame and stucco residence
(6 rooms).
Owner and Builder—Alex Nylander,
1610 Excelsior Blvd., Oakland.
Architect—Ernest Flores, 1803 Frank-
lin St., Oakland.

Plans Being Figured.
RESIDENCE Cost, \$20,000
BERKELEY, Alameda Co., Cal. Clare-
mont Pines.
Two-story and basement frame and
stucco residence.
Owner—F. B. Travers, 2835 Prince St.,
Berkeley.
Architect—E. L. Snyder, 2101 Shat-
tuck Ave., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, \$9000
MILLBRAE HIGHLANDS, San Mateo
Co., Cal. Poplar Avenue.
One-story and basement frame and
stucco residence (6 rooms).
Owner and Builder—C. Chalx, 1967
Ocean Ave., San Francisco.
Plans by D. B. Jackie, Call Bldg., San
Francisco.

Plans Being Figured — Bids Close
March 18.
RESIDENCE Cost, \$20,000
NORTH BERKELEY, Alameda Co.
Two-story frame and stucco English
type residence (12 rooms).
Owner—Dr. Donald.
Architect—E. L. Snyder, 2101 Shat-
tuck Ave., Berkeley.

Plans Complete.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Calif. Sa-
Luis Road.
Two-story 8-room English type fram
and stucco residence.
Owner—Withheld.
Architect—Sidney B. Noble & Archt
T. Newsom, Federal Realty Bldg
Oakland.
Bids will be called for shortly.

Plans Being Completed.
RESIDENCE Cost, \$14,000
BERKELEY, Alameda Co., Cal. Clare
mont Pines.
Two-story frame and stucco residence
Owner—Mathew Hunter, 2103 Wool-
sey St., Berkeley.
Architect—W. E. Schirmer, 700 21st
St., Oakland.
Owner will take sub-bids in on
week.

Contract Awarded.
RESIDENCE Cost, \$10,000
SANTA BARBARA, Cal. Glendes-
sary Lane, Mission Hills.
Two-story frame and stucco res-
idence.
Owner—L. D. Porter.
Architect—None.
Contractor—J. V. Elliott, Santa Bar-
bara.

Owner Taking Bids.
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
Hamilton Ave.
Two-story 7-room frame and stucco
residence.
Owner—F. M. Warren, 1120 High St
Palo Alto.
Architect—Ed. Musson Sharpe, 52
Market St., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$13,000
HAYWARD, Alameda Co., Cal. Midd-
le Hill.
Two-story 8-room frame and stucco
Spanish type residence.
Owner—Jack Casson, Hayward.
Architect—Miller and Varnecke, 14
Franklin St., Oakland.
Contractor—Gordon Marchant, 797
Pothill Blvd., Oakland.

Contract Awarded.
BUNGALOW Cost, \$10,000
BURLINGAME, San Mateo Co., Ca-
No. 46 Bernal Avenue.
One-story and basement frame and
stucco bungalow.
Owner—Ernest J. Scheppeler.
Architect—None.
Contractor—H. G. Halsher, 325 El-
St., San Mateo.

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Sub-Contracts Awarded.
RESIDENCE Cost, \$25,000
 SHERKTON, San Mateo Co., Cal.
 Two-story frame and stucco residence
 Owner—John J. Baumgarten.
 Architect—Birge M. Clark, 310 University Ave., Palo Alto.
 Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
 Under-Sunset Lumber Co., 490 High St., Oakland.

Mill Work and Special Screens—Wisconsin Lumber Co., San Mateo.
 Sheet Metal—Spangler Sheet Metal Co., Palo Alto.

Plastering—Redwood Plastering Co., Redwood City.

Painting—W. S. Sterling, Redwood City
 Wiring—E. F. Burkhardt, Palo Alto.
 Brick Work—E. Berndtsem, Redwood City.

Steel Sash—Michel & Pfeffer Iron Works, 10th and Harrison Sts., San Francisco.

Rolling Screens—Bruce Orris, Palo Alto.

Plumbing—Stanford Plumbing Co., Palo Alto.

Ornamental and Miscellaneous Iron—H. Bleibler, Palo Alto.

Painting—Fred Sinz, Mt. View.
 Ornamental Tile—T. T. Tanner, Palo Alto.

Enforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.

Weather Strips—Chamberlin Metal Weather Strip Co., 247 Minna St., San Francisco.

Class—Arthur A. Goepf, 70 12th St., San Francisco.

Roof and Hot Coat—Malott and Peterson, San Mateo.

Boys—Al Anderson, Redwood City.

Owner Taking Bids.
RESIDENCE Cost, \$20,000
 SAN FRANCISCO. Forest Hill.
 One-story and basement ten-room frame and stucco residence.
 Owner—W. E. Schoppe, 3310 Geary St.
 Architect—Harold Stoner, 1481 Burlingame Ave., Burlingame.

To Be Done By Day's Work.
RESIDENCE Cost, \$15,000
 SAN MATEO, San Mateo Co., Cal.
 No. 466 Parrott Drive.
 One-story and basement frame and stucco residence.
 Owner and Builder—Charles Hammer, 1524 Floribunda Ave., Burlingame.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$15,000
 SAN MATEO, San Mateo Co., Cal.
 No. 466 Parrott Drive.
 One-story and basement frame and stucco residence.
 Owner and Builder—Charles Hammer, 1524 Floribunda Ave., Burlingame.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

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RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
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 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
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 Architect—None.

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 SAN MATEO, San Mateo Co., Cal.
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 SAN MATEO, San Mateo Co., Cal.
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 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 No. 34 Claremont Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—Thomas H. Watson, 211 Hobart St., San Mateo.
 Architect—None.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
 SAN MATEO, San Mateo Co., Cal.
 Center Port. Lot 146, W. Poplar Street.
 One-story and basement frame and stucco residence.
 Owner and Builder—R. P. Miner, 1511 Columbus Ave., Burlingame.
 Architect—None.

Plans To Be Prepared.
RESIDENCE Cost, Approx. \$25,600
 PIEDMONT, Alameda Co., Cal. Wildwood Gardens.
 Two-story frame and stucco residence (Spanish type).
 Owner—Carroll W. Smith, 331 Bonita Ave., Piedmont.
 Architect—Not Selected.

Completing Plans—Contract Awarded
RESIDENCE Cost, \$25,000
 SAN FRANCISCO. Marina Blvd.
 Two-story 9-room frame and stucco residence.
 Owner—Mrs. R. L. Gump, 1450 Greenwich St., San Francisco.
 Plans By Ben Davis, % S. & G. Gump Co., 246 Post St., San Francisco.
 Contractor—John Widney, % Owner.

Plans Being Figured—Bids Close April 8, 2 P. M.
RESIDENCE Cost, \$—
 STOCKTON, San Joaquin Co., Cal. State Hospital Farm.
 One-story and basement frame assistant physician's residence (6 rooms), stucco exterior, shingle roof.

Owner—State of California.
 Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Bids are wanted for a general contract. Certified check 10% payable to State Engineer, Department of Public Works, requested with bid. Plans obtainable from State Architect on deposit of \$25, returnable.

See call for bids under official proposal section in this issue.

Architect Taking Sub-Bids.
RESIDENCE Cost, \$8,000
 OAKLAND, Alameda Co., Cal. Palm Ave.
 Two-story frame & stucco residence.
 Owner—George Lewis.
 Architect—Ray Keefer, 3281 Lakeshore Blvd., Oakland.
 Contractor—M. A. Rose, care architect.

SCHOOLS

VALLEJO, Solano Co., Cal.—Until March 25, 4 P. M., bids will be received by Elmer L. Cave, secretary, Board of Education, to furnish and deliver school supplies, fuel, school furniture and apparatus. Certified

check 5% payable to F. O'Hara, president of Bd. of Educ. required with bid. Specifications and further information obtainable from secretary.

Contracts Awarded.
SCHOOL Cost, \$—
 SAN JOSE, Santa Clara Co., Cal. Elementary School.
 Owner—San Jose City School District, W. L. Bachrodt, Secretary, Board of Education.
 Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.

General Work
 The Minton Co., Mt. View.
Electrical Work
 R. M. Butcher, 1020 Sherwood St., San Jose.

Plumbing
 William Serpa, 497 N. 13th St., San Jose.

Heating
 A. J. Peters, 455 E. Washington St., San Jose.

Following is a complete list of bids:
General Work

The Minton Co., Mt. View.....\$55,676
 Frank Neves, San Jose.....\$56,417
 J. D. Carlsen, San Jose.....\$57,370
 C. N. Swensen, San Jose.....\$58,074
 N. J. Nielsen, San Jose.....\$58,109
 W. J. Ochs, Fresno.....\$58,617
 E. Nommensen, San Jose.....\$58,831
 B. J. Hyron, San Jose.....\$59,387
 F. T. Edmans, San Jose.....\$59,516
 R. O. Summers, San Jose.....\$59,809
 Megna & Newell, San Jose.....\$59,995
 G. M. Latta, San Jose.....\$63,391

Electrical Work
 R. M. Butcher, San Jose.....\$3,630
 Coast Electric Service Co., San Jose.....\$3,835

Plumbing
 Faser Bros., San Jose.....\$4,225
 Gilbert Bros., San Jose.....\$4,286
 Garden City Elec. Co., San Jose.....\$4,342

Heating
 William Serpa, San Jose.....\$4,500
 H. J. Pascoe, San Jose.....\$5,257
 Wm. Ehler, San Jose.....\$5,345
 A. J. Peters, San Jose.....\$5,500
 C. L. Snyder, San Jose.....\$5,924
 J. W. Turner, San Jose.....\$6,008
 W. J. Coakley, San Jose.....\$6,298
 C. A. Merritt, San Jose.....\$7,121

Heating
 A. J. Peters, San Jose.....\$5,987
 O'Mara & Stewart, San Francisco.....\$6,328
 H. J. Pascoe, San Jose.....\$6,438
 San Jose Heating & Vent. Co., San Jose.....\$6,588
 L. C. Flint, San Jose.....\$6,744
 J. W. Turner, San Jose.....\$6,770
 Wm. Serpa, San Jose.....\$7,000
 B. A. Merritt, San Jose.....\$7,483
 Wm. Ehler, San Jose.....\$7,276

Preparing Working Drawings.
SCHOOL Cost, \$105,000
 WILLIAMS, Colusa Co., Cal. Spanish type school.
 Owner—Williams School District.
 Architect—Starks & Flanders, Forum Bldg., Sacramento.

“Gold Medal” Safety Scaffolding
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Plans Being Figured By Low Bidders.
SCHOOL Cost, \$20,000.
PEBBLE BEACH, Monterey Co., Cal.
One-story frame and stucco school for boys.
Owner—Mrs. Grace Douglas, Pebble Beach.

Architect—Wm. Raignel, Del Monte.
One previous call for bids lowest bid was submitted by Meese & Briggs 1425 Broadway, Burlingame.

Plans Being Prepared.
SCHOOL Cost, \$75,000.
SACRAMENTO, Sacramento Co., Cal.
Two-story brick school and convent building.

Owner—Roman Catholic Bishop (St. Stephen's Parish).
Architect—Harry De Vine, California State Life Bldg., Sacramento.

Plans will be ready for bids in about two weeks.

Plans Being Prepared.
ADDITION Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
53rd and J Sts.

One-story brick addition to school.
Owner—Sacramento Board of Education.

Architect—Dean and Dean, California State Life Bldg., Sacramento.
Bids will be called for about April 1.

Commissioned To Prepare Plans.
MEMORIAL BLDG. Cost, \$250,000.
BERKELEY, Alameda Co., Cal.
Campus of University of California Eshleman Memorial Building (Student Publishing Bldg.)

Owner—Regents of the University of California.
Architect—George W. Kelham, 315 Montgomery St., San Francisco.

Bids Rejected—Plans Being Refined From Revised Plans.
CONVENT Cost, \$325,000.
BEAVERTON, Oregon.
Three-story and basement (E shape) reinforced concrete convent and academy, 253 by 160-ft. (3 wings).
Owner—St. Mary's of the Valley Academy.

Architect—Barrett & Logan, Pittock Block, Portland.

Will have dome with copper cover, rising in center of structure. Light buff brick and terra cotta trim.

Following are three low bidders on the project under the previous call for bids: Dougan—Hammond Const. Co., \$288,800; E. J. Barrett, \$299,924; R. B. Hammond, Inc., \$301,412.

Commissioned To Prepare Plans.
SCHOOL Cost, \$75,000.
ALTURAS, Modoc Co., Cal.
Grammar school (height and type of construction not decided).
Owner—Alturas Grammar School Dist.
Architect—Starks & Flanders, Forum Bldg., Sacramento.

STOCKTON, San Joaquin Co., Cal.
—Albert Boehme, 1670 W. Flora St., Stockton, at \$365 awarded contract by Board of Education to paint biology rooms at Stockton High School. Other bids: Lore & Philbrook, \$367; Karl Hockholt, \$398; D. E. Burgess, \$422; E. J. Blanchard, \$453.

SAN MATEO, San Mateo Co., Cal.—Bids will be asked shortly by San Mateo High School District for beautification of the high school grounds. Further mention will be made of this work when the date for opening bids is set.

SANTA ROSA, Sonoma Co., Cal.—Board of Education will ask bids shortly to install flood lighting system at high school grounds in addition to installing modern plumbing and re-roofing the Burbank School.

GUADALUPE, Santa Barbara Co., Cal.—O. C. Marriott & Co., 706 S. McClelland St., Santa Maria, submitted low bid on certain alternate proposals to Guadalupe Joint Union School District, Santa Barbara County, for school. Bids taken under advisement. Edwards & Plunkett, architects, 20 E. Figueroa St., Santa Maria. Will be brick or frame structure with stucco exterior and tile roof. Following is a complete list of bids:

Alt. No. 1, ded. for frame construction in place of brick.
Benjamin F. Farley, Burbank, \$129,889 (1) \$8000.

Johnson & Hansen, Ventura, \$133,400 (1) \$10,828.

O. C. Marriott & Co., Santa Maria \$146,309; (1) \$22,548.

C. Cicero, Santa Barbara, \$147,576 (1) \$18,000.

The Minton Co., Mt. View, \$148,213 (1) \$22,165.

Robt. E. Millsap, Los Angeles, \$150,990 (1) \$16,000.

J. J. Munnenmann, Santa Barbara \$151,500; (1) \$—.

Doane Bldg. Co., Santa Maria, \$154,000 (1) \$22,000.

Twenty alternate proposals were submitted and the Marriott Company will probably be awarded the contract unless new bids are taken.

SAN FRANCISCO.—American Studios, 1060 Folsom St., at \$125 awarded contract by Board of Public Works for re-rigging stage curtains at the addition to the High School of Commerce in Fell St. bet. Van Ness Ave. and Franklin St.

FRESNO, Fresno Co., Cal.—Until April 10, 5 P. M., (to be opened 8 P. M.) bids will be received by L. L. Smith, secretary, Board of Education, 2425 Fresno St., to furnish supplies and equipment as required by school departments. Lists of materials and equipment desired obtainable from secretary.

GUADALUPE, Santa Barbara Co., Cal.—All bids rejected by Guadalupe Joint Union School District for construction of brick or frame school, to be erected at Guadalupe. Edwards & Plunkett, architects, 20 E. Figueroa St., Santa Barbara. Complete list of the bids published March 7. Meeting is to be held March 10, at which time decision will be made whether or not to call for new bids.

Plans To Be Prepared.
SCHOOL Cost approx. \$1,000,000.
OAKLAND, Alameda Co., Cal.
High school (height and type of construction not decided).

Owner—City of Oakland School Dist.
Architect—Not Selected.

\$200,000 available from insurance already paid.

Bonds Voted—Plans Being Prepared.
ADDITION Cost, \$70,000.
PACIFIC GROVE, Monterey Co., Cal.

Seven-classroom and auditorium addition to high school.

Owner—Pacific Grove High School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco.

Plans Being Completed.
SCHOOL Cost 1st unit, \$50,000.
SANTA CRUZ, Santa Cruz Co., Cal.

Laveaga Park.
Two-story frame and stucco Mission type school (6 classrooms, offices, etc., 58x160-ft.)

Owner—Society of Mary.
Plans by L. D. Esty, Alta Bldg., Santa Cruz.

Segregated bids will be called for within one week.

Plans Being Figured—Bids Close April 5th (Tentative Date).

GYMNASIUM Cost, \$60,000.
CENTERVILLE, Alameda Co., Cal.
One-story reinforced concrete gymnasium.

Owner—Washington Union High School District.

Architect—Birge M. Clark, 310 University Ave., Palo Alto.

Bids are being taken for a general contract.

SAN FRANCISCO.—Dohrmann Hot Supply Co., 972 Mission St., at \$67, awarded contract by Board of Public Works to furnish and install kitchen equipment in Roosevelt Junior High School.

Contract Awarded.
KINDERGARTEN Cost, \$—
SAN JOSE, Santa Clara Co., Calif.

Kindergarten school.
Owner—City of San Jose School District.

Walter L. Bachrodt, secretary, Board of Education.

Architect—Warren Skillings, Gard City Bank Bldg., San Jose.

Contractor—Frank Neves, 891 Harrison St., San Jose.

Following is a complete list of bids:

Frank Neves, San Jose, \$67,000.

Paul Anderson, San Jose, \$67,000.

George Honore, San Jose, \$77,000.

The Minton Co., Mt. View, \$77,000.

G. M. Latta, San Jose, \$77,000.

C. N. Swenson, San Jose, \$88,000.

J. D. Carlson, San Jose, \$88,000.

N. J. Nielsen, San Jose, \$99,000.

E. Nommensen, San Jose, \$99,000.

Preparing Working Drawings.
CHEMISTRY BLDG. Cost, \$150,000.
RIVERSIDE, Cal. University of California Experimental Station.

Reinforced concrete insectary building and chemistry building.

Owner—University of California.

Architect—G. Stanley Wilson, 642 Ninth St., Riverside.

BANKS, STORES & OFFICES

Contract Awarded.
MARKET Cost, \$400,000.

PORTLAND, Oregon. Area bounded by East Tenth, Eleventh, Taylor and Main Streets.

One-story reinforced concrete public market.

Owner—Gardners' and Ranchers' Association.

Architect—Jacobberger & Smith, Railway Exchange Bldg., Portland.

Contractor—Wale-Shattuck Engineering Co., Henry Bldg., Portland.

Urban Plumbing & Heating (Portland, awarded plumbing and heating contracts. Electric work not awarded).

Preparing Working Drawings.
STORE Cost, \$150,000.

SAN RAFAEL, Marin Co., Cal. and B Streets.

Four-story and basement class B store and office building.

Owner—J. Albert, San Rafael.

Architect—S. Heiman, 605 Market St., San Francisco.

Plans will be ready for bids in about four weeks.

Sub-Bids Being Taken.
CANTEN Cost approx., \$25,000.

SAN RAFAEL, Marin Co., Cal. Location Withheld.

One-story frame and wood canten (tea room, supply store, postoffice, restaurant, etc.; English type).

Owner—Dominican Convent, San Rafael.

Plans by D. E. Jaekle, Call Bldg., San Francisco.

Contractor—J. E. McCarthy, Redwood City.

Contract Awarded.

Plans Being Prepared.
STORES Cost approx. \$20,000
MILLBRAE, San Mateo Co., Cal. El Camino Real.
Group of three one- and two-story frame and stucco stores and apts.
Owner—Name Withheld.
Plans by D. E. Jaekle, Call Bldg., San Francisco.

Plans Being Prepared.

SHOP BLDGS. Cost, \$25,000
PALO ALTO, Santa Clara Co., Calif.
Group of eight or ten frame and stucco shop buildings.
Owner—California Allied Arts, Inc.
Architect—Gardner Dalley, 425 Mason St., San Francisco.
Work will be done by owner.

Plans Being Completed.

BANK Cost, \$25,000
BERKELEY, Alameda County, Calif.
Shattuck Ave. near Center St.
One-story brick and terra cotta bank.
Owner—Pacific State Savings & Loan Association.
Architect—O'Brien Bros. and W. D. Feugh, 315 Montgomery St., S. F.
Bids will be taken in two weeks.

Sub-Contracts Awarded.

ALTERATIONS Cost, \$20,000
SAN FRANCISCO. Montgomery and Post Sts.
Alterations to mezzanine floor of bank building (new elevator, stairs, etc.)
Owner—Crocker First Federal Trust Co., premises.
Architect—Albert F. Roller, Crocker First National Bank Bldg.
Contractor—Dinwiddie Const. Co., Crocker Bldg.
Ornamental Plaster—P. E. Denivelle, 548 7th St.
Metal Sash—U. S. Metal Products Co., 330 10th St.
Steel Stair—Conlin & Roberts, 410 Nat. St.
Elevator—Otis Elevator Co., 1 Beach Street.

Plans Being Completed.

ALTERATIONS Cos., \$30,000
BAKERSFIELD, Kern County, Calif.
Southern Hotel Bldg.
Alterations and additions to building for banking quarters.
Owner—Bank of Italy.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.
Bids will be taken in about 2 weeks.

Contract Awarded.

ALTERATIONS Cost, \$8,000
SAN FRANCISCO. 907-11 Mission St.
Alterations to store for banking quarters and offices.
Owner—American Trust Co., 464 California St.
Plans by Mr. Hermann.
Contractor—A. H. Hermann, 464 California St.

Plans Being Completed.

STORES Cost, Approx. \$20,000
MILLBRAE, San Mateo Co., Cal. El Camino Real.
Group of three one- and two-story frame and stucco stores and apartments.
Owner—W. Gibbons, San Francisco.
Plans by D. E. Jaekle, Call Bldg., San Francisco.
Bids will be taken about March 12.

Owner Taking Sub-Bids.

STORES Cost approx. \$20,000
MILLBRAE, San Mateo Co., Cal. El Camino Real.
Group of three one- and two-story frame and stucco stores and apartments.
Owner and Builder—W. H. Gibbons, 331 Ashton Ave., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San Francisco.

REDDING, Shasta Co., Calif.—J. P. Brennan, Redding, at \$6,000, awarded contract by Harry W. Glover auto sales dealer, to remodel auto service station at SW Placer and Market Streets, including news fronts, etc.

Preparing Working Drawings.

BANK Cost, \$50,000
CHICO, Butte Co., Cal.
One-story reinforced concrete bank.
Owner—Bank of Italy.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco.
Bids will be taken in three weeks.

Completing Plans.

SCHOOL Cost, \$80,000
CARPINTERIA, Santa Barbara Co., Cal.
Eight-classroom brick school.
Owner—Carpinteria Union High School District.
Architect—T. C. Kistner & Co., Architects Mldg., Los Angeles.

Plans Being Prepared.

ADDITION Cost approx. \$150,000
SAN FRANCISCO. 260 California St.
Two-story class A reinforced concrete addition to present 10-story building.
Owner—Newhall Estate, premises.
Architect—Lewis P. Hobart, Crocker Bldg.
Bids will probably be called for in two or three months.

Plans Being Completed.

STORE Cost, \$—
OAKLAND, Alameda Co., Cal. W Broadway, bet. 17th and 19th Sts.
Four-story Class A store building.
Owner—"Money Back" Smith, 12th & Washington Sts., Oakland.
Architect—Eng. Dept. of Lessee.
Lessee—F. W. Woolworth Co., Financial Center Bldg., San Francisco.
Bids will be called for shortly.

Plans Being Prepared.

DEPARTMENT STORE
Cost, Approx. \$500,000
SAN JOSE, Santa Clara Co., Cal.
First and San Carlos Sts.
Three-story Class C reinforced concrete department store.
Owner—Hale Bros., Fifth and Market Sts., San Francisco.
Architect—Binder & Curtis, 35 W-San Carlos St. San Jose, and Swanson & Lane, Chicago, Ill.

Contract Awarded.

SHOP BLDGS. Cost, \$25,000
PALO ALTO, Santa Clara Co., Cal.
Group of eight or ten frame and stucco shop buildings.
Owner—California Allied Arts, Inc.
Architect—Gardner Dalley, 425 Mason St., San Francisco.
Contractor—Meese & Briggs, 1425 Broadway, Burlingame.

Sub-Contracts Awarded.

ALTERATIONS Cost, \$8,000
SAN FRANCISCO. NW Bush St. and Montgomery.
Install mezzanine floor and alterations for store.
Owner—Roca Bros.
Plans by Grand Rapids Store Equip. Co., Russ Bldg.
Contractor—Dinwiddie Const. Company, Crocker Bldg.
Plastering—Robert Starrett, 227 13th Street.
Structural Steel—Judson - Pacific Co., 609 Mission St.
Electric Work—Victor Lemoge, 231 Natoma St.
Granite—McGillivray-Raymond Corp., 3 Potrero Ave.
Ornamental Iron—Federal Ornamental Iron & Bronze Co., 16th and San Bruno Ave.

WILLOWS, Glenn Co., Cal.—Announcement is made by Montgomery Ward Co. that the proposal to erect a retail branch in this city has been postponed for one year.

Contract Awarded.

STORE Cost, \$10,000
BERKELEY, Alameda Co., Cal. No. 1240 Gilman Street.
One-story Class C store.
Owner—A. H. Gage, 2101 Shattuck Ave., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—W. E. Lyons, 354 Hobart St., Oakland.

Sub-Bids To Be Taken in One Week.

CAFE Cost, \$50,000
BERESFORD, San Mateo Co., Cal./Bell Tract.
One-story frame cafe and grill.
Owner and Builder—Bell Bros., Beresford.
Architect—E. H. Denke, 1217 Hyde St., San Francisco.
Lessee—John Tait, San Francisco.
Financing arrangements are being completed.

THEATRES

HUNTINGTON PARK, Los Angeles Co., Cal.—Fox West Coast Theatres, Inc., is contemplating erection of theatre in Huntington Park to seat 1700 people. Cost, \$500,000.

Sub-Bids To Be Taken Shortly.

THEATRE Cost, \$250,000
BAKERSFIELD, Kern Co., Cal.
Two-story class A reinforced concrete theatre (to seat 2,000; 150x 122-ft.)
Owner—Fox West Coast Theatres, Inc. Washington St. and Vermont Ave., Los Angeles.

Architect—S. Charles Lee, Petroleum Securities Bldg., Los Angeles.

Contractor—Henry I. Beller Construction Co., 6513 Hollywood Blvd., Hollywood.

Concrete slab roof and floors, plaster exterior, tile and composition roofing, wrought and ornamental iron, structural steel, marble and tile work, carpeted floors, opera chairs, etc.

Plans Being Figured.

THEATRE Cost \$200,000
(with furnishings)
CENTRALIA, Wash. Tower Ave. and Locust St.
Class A theatre, 67 by 120 ft., seating 1500 persons.
Owner—Fox - West Coast Theatres, Inc.
Architect—R. C. Reamer, Douglas Bldg., Seattle.

Date Of Opening Bids Postponed Until March 17th, 12 Noon.

THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. Twelfth St. and Broadway.
Two-story theatre and store building (theatre to seat approx. 800).
Owner—Levy Estate, Oakland.
Architect—Clausen & Amandes, Hearst Bldg., San Francisco.
Lessee—Golden State Theatres, Inc.

WHARVES AND DOCKS

SANTA BARBARA, Cal.—Application has been made to the U. S. War Department of the Bolsa Chica Oil Corp. for a permit to construct a pier at Coal Oil point, which is approximately 12 miles west of the city of Santa Barbara, and on State Tideland Permit No. 191, the pier to extend seaward 900 ft. from mean high tide line.

SACRAMENTO, Calif.—M. A. Jenkins, 3550 Y St., Sacramento, at \$632 awarded contract by county supervisors to construct a ferry slip on Lower Andrus Island near the Golden Gate Cannery.

STOCKTON, San Joaquin Co., Cal.—Until March 31, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to construct a ferry landing on both sides of the river and a trestle approach to one landing at Middle river between Bacon Island and the Lower Jones Tract near Middle River Station.

Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Specifications obtainable from County Surveyor Julius Manthey.

OAKLAND, Cal.—Until March 17, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., for steel frame of Transit Shed, located on Ninth Avenue pier, Brooklyn Basin. Bond in full amount of contract price required of successful bidder. Certified check 10% required with bid. Plans obtainable from secretary on deposit of \$10, returnable.

OAKLAND, Cal.—Until March 17, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., for surface pavement on Apron Wharf at west side of Transit Shed No. 2, Outer Harbor Terminal. Bond in full amount of contract price required of the successful bidder. Specifications obtainable from secretary on deposit of \$5, returnable.

HUNTINGTON BEACH, Cal.—Bids will be asked within a few weeks for the construction of an addition to the municipal pier and for the repair of the existing structure. The total cost will be \$122,000, for which bonds were recently voted. Merwin Rosson is the city engineer.

Plans Being Prepared.

VIADUCT Cost, \$175,000
SEATTLE, Wash. Piers 11-A and 11-B.

Concrete and steel viaduct connecting Terminal with Army Way and repairs to piers and pier structures.

Owner—City of Seattle Port Commission.

Engineer—J. R. West, Chief Engineer, City Port Commission, Seattle.

HUNTINGTON BEACH, Orange Co., Cal.—Until April 24 bids will be rec. by city council for purchase of bonds of \$122,000 for repairs and extensions to existing municipal pier.

LOS ANGELES, Cal.—Until 10 A. M., March 19, bids will be received by general manager of Los Angeles harbor department for driving timber piles and construction of creosoted timber apron wharf approximately 224x32 feet, for which piling, lumber and a portion of the hardware will be furnished by city. Bids to be filed at Room 112, City Hall, Los Angeles. Burt Edwards, general manager.

LONG BEACH, Calif.—The Neptune Pier Co. has applied to the city council for a 5-year franchise for the purpose of constructing a new Silver Spray pier. L. N. Whealon, attorney who applied for the franchise, announced that the type of pier has not been determined.

LAKEPORT, Lake Co., Cal.—City Eng. D. F. McIntire is preparing estimates of cost to replace inconvenient and dilapidated wharves on the lake front and will shortly submit a report to the city trustees.

STOCKTON, San Joaquin Co., Cal.—City Manager Walter B. Hogue has recommended that condemnation proceedings be started to secure 47 acres of property in the west side of the Boggs tract required by the city for terminal and slip development in connection with the deep water project. The city manager was unable to make satisfactory arrangements with the owner of the property, Senator Frank S. Boggs.

MISCELLANEOUS CONSTRUCTION

HOLLYWOOD, Los Angeles Co., Cal.—Charles Chaplin Studio contemplates the sale of the present studio property at the southwest corner of Sunset Blvd. and La Brea Ave., Hollywood, and plans erection of complete new studio at new site. Property in North Hollywood being considered.

SAN FRANCISCO.—Until March 26, 3 P. M., bids will be received by Board of Public Works to haul and install street markers in various sections of the city. Estimated cost, \$5,225. Progressive payments are to be made in connection with this work. Project involves:

49,000 metal pedestrian lane markers No. 1, hauled and installed in asphalt.

1,000 metal pedestrian lane markers No. 1, hauled and installed in brick and concrete.

500 metal pedestrian lane markers No. 2, installed in asphalt.

1,000 traffic turn buttons, hauled and 500 traffic lane buttons, removed installed.

400 plain safety zone buttons, hauled and installed.

100 reflector safety zone buttons, hauled and installed.

200 reflector safety zone buttons, removed, hauled and reinstalled.

Specifications and further information obtainable from Bureau of Engineers, third floor, City Hall.

OAKLAND, Cal.—Following contracts awarded by East Bay Municipal Utility District for various materials and supplies:

Cement—Henry Cowell Lime & Cement Co., 81 Franklin St., Oakland, at \$2.54 bbl., 105½ bbls. cement in cloth bags.

Aggregates—Makin & Kennedy, Inc. 101 4th St., 800 tons (coarse) at \$210 ton and 400 tons (fine) at \$210 ton.

Reinforcing Steel—Baker, Hamilton & Pacific Co., 2nd and Market Sts., Oakland, 20,000 lbs. ¾-in. deformed, 2.5 cents lb.; 40,000 lbs. ½-in. round, 2.4 cents lb.

Lumber—Tilden Lumber Co., 1201 Delaware St., Berkeley, miscellaneous lumber, \$1345.25.

SACRAMENTO, Cal.—Boering Air Transport Co. has advised the city commissioners it will expend between \$50,000 and \$75,000 at the municipal airport if the city will give assurance that development of the port will be undertaken. The city commissioners are now considering of \$20,000 appropriation to finance the construction of runways.

SACRAMENTO, Calif.—Until March 27, 10 A. M., bids will be received by Harry W. Hall, county clerk, to install sprinkler system at Sacramento County Hospital.

Cert. check 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from County Engineer Chas. Deterding, Jr.

SAN DIEGO, Cal.—City council appropriated \$90,000 for improvements at Lindbergh Field and for harbor bonding construction. Program provides for clubhouse to cost \$60,000 and construction of lighting system, sewer and water mains to cost \$14,000.

SAN FRANCISCO.—C. B. Sovig, 248 Oak St., at \$12,312 awarded contract by board of Public Works to rehabilitate the Stockton street tunnel. The project involves waterproofing, lighting and general repairs.

Owners To Ask Bids Shortly.

DEPOT Cost, \$150,000
LAKEKANDE, Oregon.

Two-story freight and passenger depot, 35x320-ft.

Owner—Union Pacific Railroad, 325 E Oak St., Portland.

Architect—Gilbert, Stanley and Underwood, 408 S Spring St., Los Angeles.

Bids will be received by the owners at Portland, it is announced by Samuel Murray, chief engineer for the company. Structure will have brick exterior, the roof, plastered interior.

SAN DIEGO, Cal.—Until 11 A. M., March 25th, bids will be received by Public Works Officer, Eleventh Naval District, San Diego, for improvements to airplane runway at Naval Operating Base (Air Station), San Diego, consisting of retreatment of 200x415 foot section of oiled runway. Spec. 6134. Deposit of \$10 required for plans. Geo. A. McKay, public works officer.

STOCKTON, San Joaquin Co., Cal.—Until March 31, bids will be received by Eugene Graham, county clerk, to construct Middle River ferry boat, approaches for the ferry and motorizing the Grant Line drawbridge. Specifications on file in office of clerk.

Plans Being Figured—Bids Close Mar. 24th.

DEPOT Cost, \$200,000
STOCKTON, San Joaquin Co., Cal.

One-story brick passenger depot.

Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.

Architect—Eng. Dept. of Owner.

Plans Being Prepared.

SWIMMING POOL Approx. 20,000
SAN LEANDRO, Alameda Co., Cal.

Reinforced concrete swimming pool.

Owner—City of San Leandro.

Engineer—W. A. Richmond, City Engineer, San Leandro.

Plans will be ready for bids in about thirty days.

PAO ALTO, Santa Clara Co., Cal.—Preliminary estimates of cost will be submitted shortly to the Board of Athletic Control of the Stanford University to increase the seating capacity of the present stadium by 15,000.

The "bowl" now seats 59,000. Under tentative plans the track, now circling the field would be eliminated permitting excavation to provide the additional seating.

MENLO PARK, San Mateo Co., Cal.—Until March 27, 11 A. M., bids will be received by Bear Gulch Water Co., Menlo Park, to construct a reinforced concrete reservoir and appurtenances on property of the company, near Woodside, San Mateo County. Plans obtainable from Room 226, California Hall, University of California, Berkeley, on deposit of \$25, returnable. Robert G. Sproul of the University of California is secretary and general manager of the Bear Gulch Water Company.

SAN MATEO COUNTY, Cal.—Franks Contracting Co., 260 California St., San Francisco, at 30c cu. yd. submitted low bid to San Francisco Park Commissioners for sand fill in lagoon at Sharp Park, San Mateo County, involving approximately 350,000 cu. yd. Healy-Tibbitts Co., San Francisco, only other bidder at 34½c cu. yd. Taken under advisement..

JENNER, Sonoma Co., Cal.—J. K. Babcock has leased resort from Dr. E. H. Crawford at Jenner-By-The-Sea and will expend \$10,000 in improvements involving remodeling store, post office and hotel quarters and extending auto service station units.

SANTA CRUZ, Santa Cruz Co., Cal.—Neon Electric Sign Co. (Herb Coats, Santa Cruz agent), at \$948 awarded contract by San Lorenzo Improvement Club to erect Neon electric sign at two highway entrances to city of Santa Cruz, one on the Los Gatos Highway and another on the Watsonville Highway. Coast Counties Gas & Electric Co. only other bidder at \$1000.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street. Phone KEarny 1252:

19012—Representation. Sacramento, Calif. Party who is going to England for an indefinite stay is interested in taking care of the interests of an import-export house.

19014—Representation. Berlin, Germany. Business man is anxious to make a connection with a local firm for the purpose of handling its line.

19016—Agency. San Francisco, Cal. American with many years experience in Japan and China is returning to the lines for local manufacturers. He will undertake reports or commissions.

19017—Representation for China. San Francisco, Calif. Swiss who speaks English, French, German and Spanish, and who has had experience in foreign trade, wishes to represent a manufacturer of mechanical goods on a commission basis.

19021—Cotton Roofing Rags. Yokohama, Japan. Firm desires to make a connection with an importer of cotton roofing rags.

19022—Wood Fibre. Kansas City, Mo. Party wants to buy wood fibre or making artificial flowers.

19023—Floor and Wall Tile. Dallas, Texas. Party is inquiring for the name of a firm or individual importing Japanese floor and wall tile.

19026—Fire Screens, Etc. Jackson, Miss. Firm wants to communicate with importers handling Japanese fire screens, etc.

19029—Agricultural Implements and Machinery, Etc. Sao Paulo, Brazil. Import-export company is desirous of communicating with exporters of agricultural implements, dairy machines, stilling plants for rice, beans, etc., oils and varnishes. Sao Paulo reference.

D-3419 Sales Representative. San Francisco, Calif. Adequately financed party desires to contract with local manufacturers of limited means looking toward establishing business relations as sales representative in this territory.

D-3420 Representation. Pueblo, Colorado. Advertising company desires to contact young man open to include representing them here as a part of his own business or full time,

with view of developing into a branch office.

D-3424 Exclusive Distributor or Jobber. Jacksonville, Florida. Manufacturers of radiator cleaner desires party to be exclusive distributor or jobber for the State of California.

D-3425 Waste Dealer. New York City. Large exporter of film and other celluloid scrap materials are interested in securing a representative type of individual or established waste dealer, who will act in the capacity of agent, visiting the various large manufacturers in this territory and securing offerings of surplus and waste materials resulting from manufacturing operations.

HYDRAULIC CLEANING SYSTEM FOR HOMES PERFECTED

Using the principle of hydraulic pressure to create the vacuum, and with installation of individual outlets in various rooms, a Los Angeles man has developed a new type of cleaning apparatus for homes, apartment houses and garages, which is just being introduced with many novel features of interest to the housewife as well as the architects and builders.

Stationary vacuum cleaning plants for large office buildings and elsewhere have been in operation before, with various types of rotary suction motors employed, but this is the first time in which ordinary city water supply is used, not only to create the vacuum in the system, but also to carry off the waste and dust collected thru the tubes directly to the sewage.

In the installation itself, which goes in the basement, no moving parts are used, only a simple water jet which uses the incoming water from the regular house line to create a vacuum and then to carry off the waste. At the cleaning end of the system, which can be plugged in anywhere that an outlet is installed in a wall or baseboard, there is also no moving part nor bag to collect dust. A light hose, with double-swivelled nozzle, enables the operator to clean easily under

furniture and in difficult corners. A glass compartment near the handle enables the operator to watch the dust passing thru and tell when the object is thoroughly clean.

Claimed for the revolutionary device is low operation cost, using only water at average pressure, no upkeep for motor repairs, silence in operation, lightness of weight, and chiefly, the sanitation feature of direct disposal in to the sewage line of all dust and dirt collected.

GENERAL CONTRACTORS OF S. F. ELECT OFFICERS

A. H. Bergstrom was re-elected president of the General Contractors of San Francisco at the annual dinner-meeting of that organization at the Elks Club, February 22. John Monk was elected first vice-president. H. H. Hilp, second vice-president and J. S. Malloch, treasurer.

C. J. Dixon was re-appointed secretary.

Three new members were elected to the board of directors, these being H. H. Hilp, J. Martinelli and Chas. L. Taylor. Other members on the board are: A. H. Bergstrom, John Monk, J. S. Malloch and N. F. Nielsen.

Three suits to collect \$9000 in "penalty payments" have been filed in superior court at Oakland by H. W. Webber of the Webber Const. Company against W. L. Ballenger. Webber charges Ballenger made him pay usurious interest on loans totaling \$25,000. In the three complaints Webber alleges Ballenger not only made him pay 7 per cent interest, but also made him pay a "bonus" of \$2500, bringing interest beyond 12 per cent a year. He asks three times the total in excess of the principal sum in his favor under the right given by the usury statute.

Henry Girola of San Francisco, president of the Italian Investment Corp., announces that the Italian National Building and Loan Association, a subsidiary company, will open a branch office in Sacramento in the immediate future.

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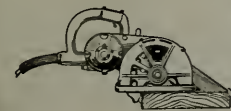
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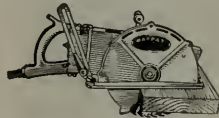
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Engineering News Section

BRIDGES

REDWOOD CITY, San Mateo Co., Cal.—Redwood City Trustees will file application with the U. S. War Department seeking authorization to construct a bridge over Redwood Creek at Bradford street. C. L. Dimmitt is city engineer.

SANTA BARBARA, Calif.—Until 10 A. M., April 7, bids will be received by the county supervisors to construct reinforced bridge over Maria Ygnacia creek on Conover Road in the 3rd road district. Cert. check 10%. Plans obtainable from county surveyor, O. H. O'Neill, on deposit of \$5. D. F. Hunt, clerk.

PLACERVILLE, El Dorado Co., Cal.—Hector Williamson, Placerville, at \$2,750 awarded contract by county supervisors to construct concrete girder slab bridge over Carson creek near Clarksville, and at \$2,200 for a similar structure at Darlington's, over Weber creek; at \$1,850 for a similar structure over Dry creek at Spanish Flat and a \$1,200 for a concrete slab bridge over North Weber creek at Pleasant Valley road.

OROVILLE, Butte Co., Cal.—City council has authorized Western Pacific Railroad to construct a new concrete bridge over Huntton St.

SONORA, Tuolumne Co., Cal.—Swanson & Chance, Turlock, at \$2,258.81 awarded contract by county supervisors to construct reinforced concrete, slab type bridge over Curtis creek in town of Soulsbyville; one span, 22 ft. wide. Complete list of bids follow:

Swanson & Chance, Turlock.....	\$2258
Nelson Bros., Escalon.....	2516
George Rock, Stockton.....	2645
Whitney & Lyon, Jamestown.....	2737
W. C. Colley, Berkeley.....	2767
Wiggins & Kaiser, Oakland.....	2776

NEWPORT BEACH, Orange Co., Cal.—The city council has been informed that the proposed overhead crossing near The Arches cannot be built because practically all of the improvement is outside of the city limits. A bond issue of \$195,000 has been discussed. A new plan proposes to have the cost assessed against the state, county, and Southern Pacific Railway.

SAN JOAQUIN COUNTY, Cal.—Jacobs & Pattiani, 37 17th St., Oakland, at \$48,375, submitted low bid to State Highway Commission to construct four reinforced concrete girder bridges between Lodi and Stockton; one across Calaveras river, consisting of three 34-ft. spans; one across Mosher creek, consisting of three 27-ft. spans; one across Bear creek, consisting of three 30-ft. spans, and one across Live Oak creek, consisting of two 30-ft. spans. Project involves: 1750 cu. yds. rdwy. excav. (detours); 2515 cu. yds. struc. excav.; detour bridges, complete; remove existing bridges; 275 tons crushed gravel or stone (detour surfacing); 1468 cu. yds. class A cem. conc.; 31 cu. yds. class E cem. conc.; 240,000 lbs. reinf. steel; 1540 lbs. phosphor bronze expan. plates; 1 lot miscellaneous items or work. Complete list of bids follows:

Jacobs & Pattiani, 37 17th St., Oakland.....	\$48,375
J. F. Knapp, Oakland.....	\$49,823
Frederickson & Watson Con. Co., Oakland.....	\$50,056
George J. Ulrich Con. Co., Modesto.....	\$51,903
M. J. Bevanda & Son, Stockton.....	\$56,722
M. B. McGowan, San Francisco.....	\$56,726
Bodenhamer Con. Co., San Diego.....	\$60,797
N. M. Ball, Porterville.....	\$64,914

Bids held under advisement.

SALINAS, Monterey Co., Cal.—Until March 28, 10 A. M., bids will be received by C. E. Joy, county clerk, to construct three reinforced concrete bridges—one at Castrovilla and two on the Salinas-Watsonville road between Castrovilla and Salinas in Supervisor District No. 1. Plans obtainable from County Surveyor Howard Cozzens.

STOCKTON, San Joaquin Co., Cal.—Until March 31, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to furnish and install motor drive on present drawbridge over Grant Line Canal on Tracy Rd. Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Specifications obtainable from County Surveyor Julius Manthey.

DREDGING, HARBOR WORKS & EXCAVATIONS

NEWPORT BEACH, Orange Co., Cal.—City Eng. R. L. Patterson is preparing plans for dredging completely around Balboa Island to provide a new channel. J. A. Beck has announced that he will expend about \$100,000 for private dredging on the north side of the island.

TRACY, San Joaquin Co., Cal.—Holly Sugar Co., according to announcement of G. J. Daly, general superintendent, will expend \$100,000 in improvements during coming six months which will include enlargement of the canal and construction of a turning basin, etc.

SAN MATEO COUNTY, Cal.—Franks Contracting Co., 260 California St., San Francisco, at 3½c cu. yd. submitted low bid to San Francisco Park Commissioners for sand fill in lagoon at Sharp Park, San Mateo County, involving approximately 350,000 cu. yd. Hensly Tibbitts Co., San Francisco, only other bidder at 34½c cu. yd. Taken under advisement.

TURLOCK, Stanislaus Co., Cal.—Aldrin & Anderson, Turlock, at \$22,064.39 awarded contract by Turlock Irrigation District for miscellaneous construction in Improvement Districts Nos. 19 and 40.

In District No. 19, the work involves under Schedule No. 1, (section a) 74,883 sq. ft. 2-in. concrete canal lining and under (section b) 33,147 sq. ft. 2-in. conc. canal lining; under Schedule No. 2, two construct approximately 100 concrete structures, involving at total of 107.6 cubic yards of concrete.

In District No. 40, the work involves under Schedule No. 1 (sectional), 48,

088 sq. ft. 2-in. conc. canal lining, (section b) 14,850 sq. ft. do; (section c) 1860 sq. ft. do; (section d) 14,350 sq. ft. do; (section e) 14,680 sq. ft. do and under Schedule No. 2, construct 253 lin. ft. concrete lining to be raised approx. 6 inches; under Schedule No. 3, construct 971 lin. ft. 24-in. dia. concrete pipe and under Schedule No. 4, construct 23 concrete structures, involving 24.36 cu. yds. concrete.

TURLOCK, Stanislaus Co., Cal.—Ed. Erickson, Turlock, at \$3815 awarded contract by Turlock Irrigation District for construction in Improvement District No. 28, involving under Schedule No. 1, 38,977 sq. ft. 2-in. concrete canal lining; construct approx. 12 concrete structures, involving 13.55 cu. yds. concrete and construct one wooden bridge, involving 832 B. F. M. lumber.

TURLOCK, Stanislaus Co., Cal.—Until March 31, 2 P. M., bids will be received by Anna Sorensen, secretary, Turlock Irrigation District, for construction in Improvement District No. 54, involving under:

SCHEDULE No. 1

Section No. 1. 27940.5 square feet of 2-inch thick concrete canal lining.

NOTE.—Schedule No. 2 is to be paid for in cash by property owners benefited.

SCHEDULE No. 2

Approximately 7 concrete structures, a total of 9 cubic yards of concrete.

Certified or cashier's check 5% payable to district required with bid. Plans on file in office of secretary. R. V. Meikle, chief engineer for district.

STREET LIGHTING SYSTEMS

PORTERVILLE, Tulare Co., Cal.—Petitions are being circulated for presentation to the city council seeking installation of an electrolux system in Main St. from Olive to Morton St. Project has the endorsement of civic organizations.

HUNTINGTON BEACH, Cal.—City Engineer Merwin Rossen is preparing a comprehensive lighting program for the East Side. Plans and estimates will be presented to the city council March 17.

MACHINERY AND EQUIPMENT

HAWTHORNE, Nevada—Until March 25, 10 A. M., new bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish hydraulic lifting device for trucks at Naval Ammunition Depot at Hawthorne, Nevada. Specifications obtainable from above office or from Navy Purchasing Office, 100 Harrison St., San Francisco.

STOCKTON, San Joaquin Co., Cal.—Until March 31, bids will be received by Eugene Graham, county clerk, to construct Middle River ferry boat, approaches for the ferry and motorizing the Grant Line drawbridge. Specifications on file in office of clerk.

LONG BEACH, Cal.—Until 2:30 P. M., March 21, bids will be received by the city manager for furnishing and delivering to the city of Long Beach, f. o. b. car or truck at any pier or dock in Los Angeles-Long Beach harbor selected by the contractor, within 90 days from date of award of contract therefor, one 300,000-lb vertical screw power testing machine, three rotating reversed screw type and other material as specified in and in accordance with Special Specifications No. C-474, City of Long Beach. G. L. Buck, city manager.

STOCKTON, San Joaquin Co., Cal.—Until March 31, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to build ferry boat to be delivered to the county at Middle River Station.

Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Specifications obtainable from County Surveyor Julius Manthey.

HAWTHORNE, Nevada—Plans are being completed by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6111, for laundry equipment for the Naval Ammunition Depot at Hawthorne. The work consists of furnishing and installing laundry equipment, including a washer, extractor, tumbler, ironer, presses, ironing boards etc. complete and ready and specifications may be obtained from the District Public Works Officer, Room 513, 100 Harrison Street, San Francisco, California, upon deposit of \$10, check or postal money order payable to the Chief of the Bureau of Yards and Docks.

OAKLAND, Cal.—Until March 19, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th St., to furnish one 200-ampere portable, gasoline engine driven electric stable are welder complete with accessories. Specifications obtainable from above.

MADERA, Madera Co., Cal.—County supervisors order purchase of two Moreland and one Reo fire truck for use in county fire control.

BAKERSFIELD, Kern Co., Calif.—Until March 17, 5 P. M., bids will be received by V. Van Ripper, city clerk, to furnish and deliver one track-laying type tractor. Certified check 10% required with bid. Further information obtainable from city clerk.

BAKERSFIELD, Kern Co., Calif.—Until March 17, 5 P. M., bids will be received by V. Van Ripper, city clerk, to furnish and deliver one small automobile for City Building Department. Certified check 10% required with bid. Further information obtainable from clerk.

PORTLAND, Ore.—Until March 17, 10:30 A. M., bids will be received by Multnomah County Commissioners, Clay S. Morse, chairman of board, to furnish:

- Two 4-yard dump trucks.
- One truck for District No. 2.
- One truck for District No. 4.
- One truck and trailer with tank for penetration macadam work.
- One 4-cylinder gas roller.

Certified check or bond of 10% required with bid. Further information obtainable from County Roadmaster, 601 Courthouse, Portland.

OAKLAND, Cal.—Until March 19, 5:30 P. M., bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th

St., to furnish one air compressor, driven by 4-cylinder heavy duty gasoline engine guaranteed to deliver 265 actual cubic feet of air per minute at 100 lbs. pressure. Completely equipped, and with air cleaner and oil filter. Specifications obtainable from above.

OAKLAND, Cal.—Dailey Motor Co., 4717 East 14th St., Oakland, at \$1142.50 submitted low bid to city council to furnish a 6-cylinder motor truck for city pound. Other bids, all taken under advisement, were: Cochran & Celli, \$1147; H. D. Knudsen Co., \$1150.

FIRE ALARM SYSTEMS

SALINAS, Monterey Co., Cal.—Until March 17, 7:30 P. M., bids will be received by M. R. Keef, city clerk, to furnish and install traffic signals at Main and Sausal Sts., Main and San Luis and North Main and Market Sts. Certified check 10% required with bid. Specifications on file in office of clerk.

FIRE EQUIPMENT

HAYWARD, Alameda Co., Cal.—Petitions are being circulated seeking election to vote bonds of \$15,000 to finance purchase of a third fire engine.

PASO ROBLES, San Luis Obispo Co., Cal.—Fire Chief Elmer Bollinger urges city council to purchase additional fire fighting equipment including a high pressure pumping unit.

SAN ANSELMO, Marin Co., Cal.—American Rubber Co. at \$1.30 per ft. awarded contract by city trustees to furnish 1200' ft. of Crackerjack fire hose.

MISCELLANEOUS SUPPLIES AND MATERIALS

SONORA, Tuolumne Co., Cal.—Until May 6, bids will be received by county supervisors to furnish and deliver fuel oil for county courthouse and county hospital. Further information obtainable from county clerk at Sonora.

FRESNO, Fresno Co., Cal.—Until April 10, 5 P. M., (to be opened 8 P. M.) bids will be received by L. L. Smith, secretary, Board of Education, 2425 Fresno St., to furnish supplies and equipment as required by school departments. Lists of materials and equipment desired obtainable from secretary.

VALLEJO, Solano Co., Cal.—Until March 25, 4 P. M., bids will be received by Elmer L. Cave, secretary, Board of Education, to furnish and deliver school supplies, fuel, school furniture and apparatus. Certified check 5% payable to F. O. Hara, president of Bd. of Educ. required with bid. Specifications and further information obtainable from secretary.

RESERVOIRS AND DAMS

SAN JOSE, Santa Clara Co., Cal.—San Jose Realty Board petitions city council to take steps to construct a water storage reservoir to conserve flood waters of the Penitencia Creek for use in Alum Rock Park and to prevent future losses of storm waters. The board urges that \$50,000 available from the un-used portion of the out-fall sewer bond issue be available as part payment for such a project. Wm. Popp is city engineer.

VENTURA, Ventura Co., Cal.—Until 11 A. M., April 1, bids will be rec. by the county supervisors to construct

water storage reservoir in Ventura County Water Works District No. 1, at Aloorpark, Cash Contract No. 665, involving: 900 cu. yds. excav.; 5640 sq. ft. Gunite lining; 8.5 cu. yds. concrete curb and footings; 3000 ft. B.M. lumber; 49 squares roofing; 120 sq. ft. screen; 100 lin. ft. 6-in. drain pipe; 60 lin. ft. 6-in. cast iron pipe; one 6-in. hub end gate valve. Plans obtainable from county surveyor, Chas. W. Pett. Cert. check 10%. L. E. Hallowell, clerk.

MENLO PARK, San Mateo Co., Cal.—Until March 27, 11 A. M., bids will be received by Bear Gulch Water Co., Menlo Park, to construct a reinforced concrete reservoir and appurtenances on property of the company, near Woodside, San Mateo County. Plans obtainable from Room 220, California Hall, University of California, Berkeley, on deposit of \$25, returnable. Robert G. Sprout of the University of California is secretary and general manager of the Beach Gulch Water Company.

PIPE LINES, WELLS, ETC.

EUREKA, Humboldt Co., Cal.—Until March 18, 5 P. M., bids will be received by John Griffith, City Superintendent of Public Works, 524 D St., to drill, case and cement well or wells, 3 ft. in diameter and an approximate depth of 70 ft. at Broadway and Hawthorne Sts. Bids shall cover cost of entire work of drilling and installing casings. Casings will be furnished by city. Bids on unit cost per foot depth. Further information obtainable from above.

CENTERVILLE, Alameda Co., Cal.—Pacific Gas & Electric Co. has authorized construction of 1360 ft. of 2-in. high pressure natural gas main in Cherry road and vicinity.

EUREKA, Humboldt Co., Cal.—City Clerk A. Walter Kiddell will ask bids at once to drill well at Broadway and Hawthorne Sts. Will be approximately 70 ft. in depth and 35 inches diameter. Bids will probably be opened March 18. Further information obtainable from clerk.

SEWERS AND SEWAGE DISPOSAL PLANTS

HAWTHORNE, Nevada.—See "Government Work and Supplies," this issue. Contract awarded to Thos. Hawerty Co., Los Angeles, for street lighting, sewage disposal system, paving, etc.

SEBASTOPOL, Sonoma Co., Cal.—City Engineer C. E. Muller is completing plans and bids will be asked shortly by the city council to construct sewage disposal plant for which bonds of \$32,000 were recently voted.

LOLETA, Humboldt Co., Cal.—Election will be held April 22 in Loleta to organize sanitary district. After organization an election will be called to vote bonds to finance construction of a sewer system.

MADERA, Madera Co., Cal.—City council sets April 14 as date to vote bonds of \$20,000 to finance extension to sewer system in southeast and southern sections of the city. Jas. Wakefield is city clerk.

BENICIA, Solano Co., Cal.—City council has authorized a survey to determine cost of sewers to serve East N St. The line will run south on 4th St. to L thence west to connect with the present sewer.

VENTURA, Ventura Co., Cal.—Until 11 A. M., April 1, bids will be rec. by the county supervisors to construct concrete sewer pipe 24-in. in dia. and 2100 ft. long with catchbasins and incidentals (First Storm Drain), Cash Contract No. 664, involving: 2100 ft. 24-in., 120 ft. 12-in., 30 ft. 18-in., and 20 ft. 20-in. reinf. conc. pipe; 1200 cu. yds. excav.; 25 cu. yds. struc. steel; 1700 lbs. reinf. steel; 530 lbs. angle iron; 9 catchbasin frames and covers, etc. Plans obtainable from county surveyor Chas. W. Petit. Cert. check 10%. L. E. Hallowell, clerk of the board.

LONG BEACH, Cal.—At the meeting County Sanitation District No. 3 on March 12, Mayor Hauge will ask that the proposed \$3,400,000 sewer bond election, originally set for April 1, be postponed. He asks for a few months' more for preparation.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer Lloyd Bowman preparing plans for sewage and drainage system in area comprising 1400 acres, including Sequel and Capitola. A district will be formed to finance the work. The area to be included has in it now 1038 residences of which 523 are said to be occupied permanently.

MISCELLANEOUS CONSTRUCTION

SANTA ANA, Orange Co., Cal.—Southern Counties Gas Co. is planning to construct on East Pine St., adjacent to the railway tracks, two gas containers, each to have a capacity of 1,000,000 cu. ft. C. E. Rutledge, local manager. Work will start within the next few weeks. The cost is estimated at \$150,000.

WATER WORKS

STRATHMORE, Tulare Co., Calif.—Bradford Machinery Co., Porterville, at \$230 submitted low bid to Strathmore Public Utility District, to construct pumping plant. Complete list of bids, all taken under advisement, follows:

Bradford Machinery Co., Porterville	\$2,320
Peerless Pump Co., Los Angeles	2,715
Villemin and Job Machine W'ks., Porterville	2,735
Pomona Pump Co., Porterville	2,732
Stausfield & McKnight, Lindsay	3,096

ANACORTES, Wash.—City will hold election April 22 to vote bonds of \$400,000 to finance construction of a municipal water system. The project will involve the laying of 12 miles of a 20-in. main from Skagit river to an equalizing reservoir. It also calls for the laying of 11,000 ft. of 16-in. industrial main from a filtration plant to the industrial district of the city. An auxiliary pump station will be installed at Whistle lake.

LONG BEACH, Cal.—The city council has called a \$4,450,000 water bond election for May 13. Of the total, \$1,100,000 will be expended for transmission mains, wells, pumps, pump houses, collecting cisterns, etc. The balance of the issue will be used for purchase of reservoir sites and water-heating plants.

VENTURA, Ventura Co., Cal.—City Engineer D. C. McMillan is completing a survey of the city water system preparatory to extending the system north of the oil fields to serve the Frazer Tract, the Smith Tract and the Likens subdivision. It is probable that he will recommend construction of a reservoir to serve this area.

TACOMA, Wash.—American Concrete Pipe Co., Tacoma, at \$120,604

awarded contract by City Board of Contracts to furnish 16,045 ft. 42-in. concrete pipe for connecting line for four wells to be bored this year for municipal water department.

SAN ANSELMO, Marin Co., Cal.—City trustees accept bid of Marin Municipal Water District to install 45 fire hydrants for \$2546.80.

PALO ALTO, Santa Clara Co., Cal.—Western Well Works, at \$13,300 awarded contract by city council to drill well and construct pumping plant on Municipal Park site in South Palo Alto.

BIGGS, Butte Co., Cal.—City trustees propose to replace present wooden water tanks with steel tanks or to rebuild the present wooden tanks to make them suitable for further use. J. B. Johnson, city engineer.

CLOVERDALE, Sonoma Co., Cal.—City will call special election to vote on question of using \$15,000 now in the city treasury to improve the municipal water system. The \$15,000 is available from a bond issued several years ago to pave West St.

TURLOCK, Stanislaus Co., Calif.—Until April 1, 7:30 P. M., bids will be received by A. P. Ferguson, city clerk, to furnish

500 ft. 6-in. class B c. i. bell and spigot pipe, Amer. Water Works Assn. standard or equal;
800 ft. 8-in. cast iron, bell and spigot pipe, Amer. Water Works Assn. standard or equal.

Certified check 10% required with bid. Bids to be f.o.b. Turlock.

SHAFTER, Kern Co., Cal.—Petitions are being circulated requesting Public Utilities Board to call an election to vote bonds to finance extensions to water system in addition to providing a steel tank and tower in connection therewith.

WATSONVILLE, Santa Cruz Co., Cal.—Grant Miner, Jr., 505 Emerson St., Palo Alto, submitted low bid to the city council to construct a slow sand filter plant and appurtenances, reservoir lining and cover and other water works improvements, the project comprising the following principal features:

A concrete slope and bottom, lining, concrete piers and wooden roof, together with certain piping, water measuring device and other improvements and at the two main distributing reservoirs at Freedom Village, approximately 2 miles west of north of the business district of Watsonville.

A slow and filter plant having a

nominal maximum capacity of 2.5 million gallons daily, embracing a sedimentation basin, 5 filter units, sand storage bin, filtered water basin, 50,000-gallon storage tank, head house, tool and storage houses, together with all piping and appurtenances, at and in the vicinity of Corralitos Village, approximately 7 miles west of north of the business district.

The following approximate quantities are involved in the above improvements: 6700 cu. yds. of net excavation for structures; 2550 cu. yds. of concrete, mostly reinforced; 212,500 ft. b.m., of lumber in roofs and elsewhere; 6000 lin. ft. of water and drain pipe ranging from 1 inch to 20 inches in size and of various materials.

In addition to the above there will be grading work and considerable other work of a miscellaneous nature.

Following is a complete list of bids received, (a) being total bid for items 1 and 2; (b) total for items 1 and 3; (c) total for items 1 and 4, and (d) total for items 1 and 5.
Grant Miner, Palo Alto, (a) \$116,924; (b) \$116,658; (c) \$115,110; (d) \$114,744.

Frederickson and Watson, Oakland, (a) \$123,980; (b) \$122,080; (c) \$121,170; (d) \$119,270.

McDonald & Kahn, San Francisco, (a) \$124,800; (b) \$124,434; (c) \$122,637; (d) \$122,271.

Pelix Butte Const. Co., San Francisco, (a) \$129,538; (b) \$129,015; (c) \$126,206; (d) \$125,633.

Granite Const. Co., Watsonville, (a) \$129,775; (b) \$126,825; (c) \$128,300; (d) \$125,350.

A. F. Anderson, (a) \$130,548; (b) \$125,069; (c) \$128,523; (d) \$123,046.

Rocca and Coletti, San Rafael, (a) \$133,151; (b) \$128,924; (c) \$132,362; (d) \$128,135.

J. Cobby and Son, San Francisco, (a) \$134,921; (b) \$130,913; (c) \$137,041; (d) \$132,763.

Jas. L. McLaughlin, San Francisco, (a) \$145,299; (b) \$142,595; (c) \$144,830; (d) \$142,126.

C. D. DeVelbiss, Oakland, (a) \$166,137; (b) \$162,730; (c) \$163,982; (d) \$160,575.

Bids of C. A. Bruce and Son and M. H. Sjoberg and Son not totaled. All bids were taken under advisement. H. B. Kitchen is city engineer and G. H. Hyde, Berkeley, is consulting engineer on the project.

SAN FRANCISCO—Until March 18, 10 A. M., under Schedule No. 928-30-218, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver: 500 ft. ½-inch and 500 ft. ¾-in. wrought iron pipe, welded, galvanized, Type A, standard weight, in commercial lengths, threaded, ends to be protected with couplings or one coupling and one thread protector. Further information obtainable from above.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments; Blacksmithing and Welding.

Builders of Rosenberg Portable Car Unloaders

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57 ZOE ST., bet. 3rd and 4th, off Brannan St.

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SAN FRANCISCO

PLAYGROUNDS & PARKS

SAN MATEO, San Mateo Co., Cal.—Bids will be asked shortly by San Mateo High School District for beautification of the high school grounds. Further mention will be made of this work when the date for opening bids is set.

SACRAMENTO, Calif.—Until March 27, 10 A. M., bids will be received by Harry W. Hall, county clerk, to plant lawn in area fronting Sacramento County Hospital from Stockton Blvd., bounded by the driveway, also small area between buildings and front driveway, outside of area staked for foundation plantings.

Cert. check 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from County Engineer Chas. Deterding, Jr.

STREETS AND HIGHWAYS

SUNNYVALE, Santa Clara Co., Cal.—Western Roads, Inc., 28th and Poplar Sts., Oakland, at approx. \$40,000 submitted lone bid to city council (304) to improve portions of McKinley Ave., Carroll St., Iowa Ave., etc., involving grading; 2-in. Warrentite-Bit surface pavement on 3-in. asph. conc. base; cem. conc. curbs, gutters, driveways; 4-in. cem. conc. pipe house sewer laterals; ¾-in. galv. water main service connections. Taken under advisement.

SANTA ROSA, Sonoma Co., Calif.—Smith and Sylva, Santa Rosa, at \$29,439 awarded contract by county supervisors to pave with concrete 1.8 miles of Healdsburg-Forestville Highway.

SACRAMENTO, Cal.—City council declares intention (2300) to improve alley bet. C and D Sts., Alhambra Blvd. and 32nd St., involving c. i. drains; vit. sewers; conc. manhole; 1-in. water main connections; grading; hyd. conc. pavement. 1911 Act. Bond Act 1915. Hearing March 27. H. G. Denton, city clerk. B. C. Clark, city engineer.

SACRAMENTO, Cal.—City council declares intention (2299) to improve alley bet. D and E Sts., 10th and 11th Sts., involving c. i. drains; vit. pipe sewers; 1-in. water main connections; grading; hyd. conc. pavement. 1911 Act. Bond Act 1915. Hearing March 27. H. G. Denton, city clerk. B. C. Clark, city engineer.

FRESNO, Fresno Co., Cal.—Riverdale residents have filed protests with the county supervisors against the use of "But-U-mels" patent pavement in Mount Whitney Avenue in Riverdale. The pavement is proposed

by Chris P. Jensen, county surveyor, which, the engineer claims, will save 50% in cost.

HAWTHORNE, Nevada—See "Government Work and Supplies" this issue. Contract awarded to Thomas Haverly Co., Los Angeles, for street lighting, sewage disposal system, paving, etc.

SALINAS, Monterey Co., Cal.—P. L. Burr and J. Sutherland, 320 Market St., San Francisco, at \$10,003.12 awarded contract by county supervisors to construct a portion of the Arroyo Seco Road from point near Grubers to point near Abbotts Lake, in Supervisor District No. 3, involving: (1) 52,000 cu. yds. excavation without class and without overhaul; (2) 600 lin. ft. 12-in. corr. iron culverts; (3) 80 lin. ft. 18-in. corr. iron culverts; (4) 132 lin. ft. 24-in. corr. iron culverts.

FRESNO, Fresno Co., Cal.—County supervisors order construction of Mendota-Coalinga road; estimated cost \$9000. Chris P. Jensen, county surveyor.

SAN DIEGO, Cal.—Until 11 A. M., March 25, bids will be received by the public works officer 11th Naval District San Diego to improve airplane runway at the naval operating base (air station) involving treatment of a portion of an oiled runway located adjacent to the southwest of the warming-up platform at the west beach hangars. The strip to be treated is 200 ft. wide by 415 ft. long. Specifications No. 6134.

OROVILLE, Butte Co., Cal.—County supervisors contemplate joining with counties of Lassen, Tehama, Siskiyou, Modoc, Shasta and Plumas in a highway district to build roads to Lassen National Park.

SALINAS, Monterey Co., Cal.—County Supervisors reject lone bid of Granite Construction Co., Watsonville, at \$67,270.60 to construct concrete pavement on Monterey-Carmel Rd., from Monterey city limits to a point on the Hutton Road opposite Ocean Ave. in Supervisor District No. 5, involving: 29,766 sq. yds. subgrade for pave.; 5809 c. yds. Class A Portland cement concrete (pavement); 152,674 lbs. reinforcing steel (pavement). New bids will be asked. Howard Cozzens is county surveyor.

OAKLAND, Cal.—Until March 17, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg.,

for surface pavement on Apron Wharf at west side of Transit Shed No. 2, Outer Harbor Terminal. Bond in full amount of contract price required of the successful bidder. Specifications obtainable from secretary on deposit of \$5, returnable.

SAN JOAQUIN COUNTY, Cal.—T. M. Morgan Paving Co., Los Angeles, at \$251,562, submitted low bid to State Highway Commission March 12, to grade and pave with cem. conc. 6.3 miles bet. Cherokee Station and Harney Lane. Project involves: remove 436 trees; 47,800 cu. yds. rdwy. excav. without class.; 33,400 cu. yds. imp. borrow; 34,500 cu. yds. imp. selected material; 44,200 sta. yds. overhaul; 2000 cu. yds. struc. excav.; 9200 cu. yds. salvaged macadam (subbase and borders); 2000 tons untreated crushed gravel or stone surfacing; 100 M gals. water applied to surf.; 19,840 sq. yds. subgrade for pave.; 1610 cu. yds. cushion course; 61 cu. yds. class A cem. conc. (struc.); 15,000 cu. yds. class A cem. conc. (pave.); 383,000 lbs. bar reinf. steel (pave. and struc.); 222 lin. ft. 12-in., 214 lin. ft. 18-in., 1003 lin. ft. 24-in. and 20 lin. ft. 30-in. corr. metal pipe; 1339 lin. ft. corrugated metal pipe (clean and relay); 240 lin. ft. solid timber guard rail; 4.6 mi. new property fences; 9.2 mi. moving and reset property fences; move and reset 21 cen. headwalls; 2180 bbls. fuel oil (shoulders); 362 sta. finish rdwy.; 77 monuments. The state will fur. corr. metal pipe, drainage gates and cast steel frames and covers for drop inlets. Following is a complete list of the bids:

T. M. Morgan Paving Co., Los Angeles	\$251,562
Frederickson & Watson & Frederickson Bros., Oakland	\$259,003
C. C. W. Wood, Stockton	\$259,573
M. J. Bevanda, Stockton	\$264,893
J. F. Knapp, Oakland	\$269,845
Hanrahan Co. San Francisco	\$272,805
Isbell Const. Co., Fresno	\$290,120
Heafey Moore Co., Oakland	\$314,383

Bids held under advisement.

OROVILLE, Butte Co., Cal.—C. W. Wood, Stockton, at approximately \$40,000, has private contract for paving, curbs, gutters and walks in a 20-acre residential area known as the Beech Tract, owned by W. A. Bechtel and Mrs. Georgian Ward. S. J. Norris, city engineer of Oroville, is engineer for the work.

KING CITY, Monterey Co., Cal.—Until March 26, 5 P. M., (to be opened 8 P. M.), bids will be received by city council to pave 25 blocks of streets with 5-in. concrete; concrete curbs, culverts and catchbasins. Streets to be improved include Pearl St., First to San Lorenzo; Ellis St., 1st to San Lorenzo; Vanderhurn and Lynn, four blocks north to city limits; the following streets bet. Ellis and Lynn and bet. Bassett and Pearl: First, Second, Third, Russ, San Lorenzo. Plans on file in office of clerk, Howard Cozzens, engineer, Courthouse, Salinas.

FRESNO, Fresno Co., Calif.—The Fresno county chamber of commerce has endorsed the proposed 14-mile highway between Coalinga and Mendota. The chamber will ask the supervisors for immediate construction.

SONORA, Tuolumne Co., Cal.—W. C. Colley, 35 North Hampton St., Berkeley, at \$7100 awarded contract by county supervisors to construct 1½ miles of road along Fuller-Longeway road between Longway Ranch and Sonora-Mono road. Tractor Grading Co., Stockton, at \$4846 only other bidder.

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Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

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RIVERSIDE CO., Cal.—State highway department will expend about \$300,000 next fall on grading and surfacing with rock and all the Mecca-Blythe highway west of Hopkins Wells about 20 miles.

HUMBOLDT COUNTY, Cal.—Chig-ris & Sutcos, 2211 18th St., San Francisco, at \$52,550 awarded contract by State Highway Commission to grade and surface with crushed gravel or stone, 1.4 miles between south boundary and Richardson's Grove.

INGLEWOOD, Los Angeles Co., Cal.—Until 8 P. M., March 17, bids will be received by the city council for improving Alarket St. bet. Kelso St. and Arbor Vitae St., A. & I. No. 3, involy: 250,270 sq. ft. grading; 193,920 sq. ft. 8-in. conc. paving; 6442 sq. ft. 5-in. oil macadam; 4415 ft. curb; 7436 ft. inverted curb; 35,817 cu. ft. cement walk; 10 sq. ft. conc. gutter; culverts and catchbasins complete; 232 ft. 6-in. water connections; 1530 ft. 2-in. iron conduit lighting system; 3781 ft. 1½-in. iron conduit; 45 King Peronite posts (trolley support type). Est. cost, \$100,354. Willis Peffer, city engineer. O. H. Duelle, city clerk.

SAN RAFAEL, Marin Co., Cal.—City council declares intention (488) to improve 2nd St., bet. A. St. and Toll road; A. St. bet. 3rd and 2nd Sts.; Brooks St., bet. 3rd and 2nd Sts.; Lindaro St., bet. 3rd and 2nd Sts., and Toll Rd. from Lincoln Ave. to Irwin St., involving grading; construct 18-inch ironstone pipe main sewer; 6-in. ironstone house connections; corr. iron and ironstone pipe culverts; reinf. conc. syphon drain; conc. catchbasins and manholes; conc. curbs and gutters; place stone sub-base and surface with 5-in. asphalt. 1911 Act. Hearing March 20. Eugene W. Smith, city clerk. H. K. Brainerd, city manager.

SAN JOSE, Santa Clara Co., Cal.—Until March 17, 8 P. M., bids will be received by John J. Lynch, city clerk, to improve Eighteenth St., bet. Jackson and Taylor Sts., involving grading; 1½-in. asphalt. conc. surface on 3-in. asphalt concrete base pavement; 4-in. vit. pipe house sewer laterals; cem. conc. sidewalks. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until March 17, 8 P. M., bids will be received by John J. Lynch, city clerk, (5013) to improve 10th St., bet. Empire and Taylor Sts., involving grading, 1½-in. asphalt. conc. surf. on 3-in. asphalt. conc. base pavement; conc. curbs, gutters and walks; 4-in. vit. pipe house sewers. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

CALAVERAS COUNTY, Cal.—Larsen Bros., Galt, at \$45,494 awarded contract by State Highway Commission to grade and surface with crusher run base and surface with gravel or stone, 2.8 miles between 1½ miles north of 1½ miles south of Calaveritas Creek.

LAKE COUNTY, Cal.—Until March 24, 3 P. M., bids will be received by Jno. H. Skeggs, District Engineer, District No. IV, 211 State Bldg., San Francisco, to furnish and apply, as a dust layer, light fuel oil on 23 miles of highway between Middletown and the Old Williams Road.

See call for bids under official proposal section in this issue.

OAKLAND, Cal.—Chamber of Commerce is conferring with county supervisors regarding construction of proposed new industrial highway skirting the waterfront from San Jose to Richmond. The chamber seeks to have the county provide sufficient funds to finance a preliminary survey for such a highway. George A. Posey is county surveyor.

BURLINGAME, San Mateo Co., Cal.—Rights-of-way to widen San Mateo Drive between Baldwin and Second Aves. have been deeded to the city council by the trustees of the San Mateo Union School and Junior College District.

DOUGLAS CO., Nev.—Dodge Bros., Fallon Nevada, at \$33,334.07 awarded contract by State Highway Commission to reconstruct 3.44 miles of highway between Minden and 3.45 miles north, involving: 23,300 cu. yds. excavation unclassified; 45,552 yds. sta. over curb; 34-mil. prepared subgrade and shoulders; 8,000 cu. yds. select borrow excavation in place; 8,500 cu. yds. rock or crushed gravel in place; 100 cu. yds. rock or crushed gravel in stockpile; 205 cu. yds. A. conc.; 3 cu. yds. B. conc.; 74 lin. ft. 10-in., 635 lin. ft. 18-in., 32 lin. ft. 24-in. corr. metal pipe to be installed; remove 74 lin. ft. 10-in., 132 lin. ft. 15-in., and 17 lin. ft. 18-in. corr. metal pipe; 671 M. ft. B.M. lumber in place; remove and reconstruct 13,020 lin. ft. fence; demolish 3 reinf. conc. box culverts. Complete list of bids follows:

Dodge Bros., Fallon, Nev. \$33,334
Isbell Const. Co., Carson City..... 34,637
A. D. Drumm..... 34,761
Nevada Rock & Sand Co., Reno 36,460
Engineer's estimate 35,827
Planigan Warehouse Co., Reno, at \$675.10 awarded contract to furnish culvert pipe in connection with this project.

SAN GABRIEL, Cal.—Until 7:30 P. M., April 15, bids will be received by the city council to improve Mission Drive bet. Las Tunas Drive and the Southern Pacific tracks. The approximate quantities are: 147,346.3 sq. ft. 2-in. Warrenton paving on 4-in. asphalt. conc. base; 21,910.9 sq. ft. monolithic walk; lighting system, est. at \$7500 (Lalau 16½ ft. posts). Est. cost \$55,000. C. N. Wright, Pacific Electric Bldg., Los Angeles, is the city engineer. Ira M. Stouffer, city clerk.

VENTURA, Ventura Co., Cal.—Until 11 A. M., April 1, bids will be rec. by the county supervisors for widening and thickening of pavement of a portion of Los Angeles Ave. bet. Simi and Moorpark, about 4½ miles, involving: 40,800 cu. yds. earthwork excav.; 4750 cu. yds. sand cushion fill; 7910 cu. yds. class A concrete in fill; 27,000 lbs. reinf. steel; 13,800 lbs. steel dowels; 150 yds. class A. struct. conc.; 22 cu. yds. struc. excav.; 44 ft. 12-in., 66 ft. 18-in., 12 ft. 24-in., 60 ft. 36-in. and 26 ft. 48-in. corr. iron pipe; 5.1 M. ft. B.M. redwood lumber; 1400 lbs. anchor rods. Plans obtainable from the county surveyor, Chas. W. Pettit. Certified check, 10%. L. E. Hollowell, clerk.

PACIFIC GROVE, Monterey Co., Cal.—Until March 20, 7:30 P. M., bids will be received by W. G. Stubbs, city clerk, (3162) to improve Gibson Ave. bet. Fountain Ave. and East City Limits, involving grading; cem. conc. curbs, gutters; 2½-in. asphaltic concrete pavement with 1½-in. asphalt. conc. surface conc. catchbasin; storm drain. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

PACIFIC GROVE, Monterey Co., Cal.—Until March 20, 7:30 P. M., bids will be received by W. G. Stubbs, city clerk, (3159) to improve Fountain Ave. bet. Lighthouse and Sinec Aves., involving grading; cem. conc. curbs, gutters; 2½-in. asphalt. conc. base; 1½-in. asphalt. conc. surface pavement; storm drains; 4-in. vit. clay pipe lateral sewers, conc. catchbasins. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

LOS ANGELES, Cal.—Geo. H. Oswald, 366 E 58th St., Los Angeles, at \$270,305 submitted low bid to Board of Public Works to improve Laurel Canyon road from Pacoima Ave. to Look-out Mountain road, involving grading, \$60,600; 425,168 sq. ft. 8-in. compressed concrete pave., 24.5c; storm drain, \$27,000; sanitary sewer, \$39,000; curbs, walks, etc.

BAKERSFIELD, Kern Co., Calif.—District Engineer E. E. Wallace of the state highway department has announced that construction of the pavement in Kern Canyon starting at the end of Niles St. will be started within the next few months. The estimated cost is \$170,000.

RIVERSIDE, Riverside Co., Calif.—Riverside county supervisors vote to propose to Los Angeles county the formation of a joint highway district to finance, aided by the state of California, under provisions of the California joint-highway district act, a \$500,000 scenic roadway down the east slope of the San Jacinto mountains, terminating in Palm Canyon, world famous national monument.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5039) to improve Vendome Ave., bet. Hobson and Polhemus Sts., involving grading; 1½-in. asphalt. conc. surface, 2½-in. asphalt. conc. base pavement, cem. conc. curbs, walks; 4-in. vit. sewer house lateral sewers. 1911 Act. Hearing March 24. John J. Lynch, city clerk. Wm. Popp, city engineer.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5036) to improve Taylor St., bet. 13th and 19th Sts., involving grading; 1½-in. asphalt. conc. surface, 3-in. asphalt. conc. base pavement; conc. curb, walks; 4-in. vit. pipe house lateral sewers; cem. conc. storm water inlets; 6-in. vit. pipe sewer. 1911 Act. Hearing March 24. John J. Lynch, city clerk. Wm. Popp, city engineer.

OAKDALE, Stanislaus Co., Cal.—City Engineer Geo. D. Macomber instructed to make surveys and prepare estimates of cost to pave approximately six miles of streets.

REDWOOD CITY, San Mateo Co., Cal.—City Council declares intention (M-1) to improve Lexington Ave. between Grand St. and Central Park Subdivision; Grand St. from Lexington Ave. to point 420 ft. southeast; Iris St. from Vera Ave. to point 1.5 ft. s. e. of Roosevelt Ave., involving grading; comb. concrete curbs and gutters; 2½-in. asphalt. conc. base pavement with 1½-in. asphalt. conc. surface, all on a 3-in. broken stone cushion and Oak Ave. bet. Sequoia and Sierra St., involving grading; cem. conc. gutters; 2½-in. asphalt. conc. base course with 1½-in. asphalt. conc. surface pavement with 3-in. broken stone cushion. 1911 Act. Bond Act 1915. Hearing April 7. W. A. Price, city clerk. C. L. Dimmitt, city engineer.

ALAMEDA, Alameda Co., Cal.—City Engineer Burnett Hamilton in a report to the city council, estimates the cost of extending and re-arranging streets tapping Bay Farm Island bridge at approximately \$285,555. It would cost \$110,261 to extend Bay Island Ave. from its present terminal at Pearl St. to the bridge approach. Extension of Fernside Blvd. from Briggs Ave. to the bridge would cost an additional \$135,852 and a diagonal thoroughfare connecting the span with a gore at High and Washington Sts., an additional \$39,440.

SUNNYVALE, Santa Clara Co., Cal.—City council declares intention (513) to improve portions of Washington Ave., Evelyn Ave., Pastoria Ave., Mathilda Ave., etc., involving grading; 2-in. Warrenite-Bit surface pave with 3-in. asph. conc. base; cem. conc. curbs, gutters, walks and driveways; 4-in. and 6-in. cem. conc. pipe house sewer laterals; ¾-in. water main connections; conc. pipe storm water sewer, etc. 1911 Act. Bond Act 1915. Hearing March 24. Ida Trubschenck, city clerk.

FOWLER, Fresno Co., Cal.—State Highway Commission is awaiting authorization of city trustees to widen Eighth street involving an expenditure of \$36,000 including paving from curb to pavement.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5046) to improve Washington St., between 17th and 19th Sts., involving grading; 1½-in. asph. conc. surface pavement on 3-in. asph. conc. base; cem. conc. walks, curbs, gutters; 6-in. vit. pipe sewer with 4-in. house laterals. 1911 Act. Hearing March 31. John J. Lynch, city clerk. Wm. Popp, city engineer.

REDWOOD CITY, San Mateo Co., Cal.—County Supervisors declare intention (20) to improve O'Keefe, Donohoe, Park and Height Sts., bet. Menalto Ave. and Willow road; portions of James, Garden, Cloud Sts., Carmel Ave., etc., involving grading; combined hyd. cem. conc. curbs and gutters; walks; 3-in. asph. conc. surface on 4-in. waterbound macadam base; cem. conc. pipe storm water sewer; br. catchbasins; 4-in. vit. pipe lateral sewers in Menalto Park. 1911 Act. Co. Imp. Act 1921. Hearing March 24. Elizabeth M. Kneese, county clerk. Geo. A. Kneese, county surveyor.

OFFICIAL PROPOSALS

NOTICE TO CONTRACTORS

General Work

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, April 8, 1930, thereafter on said day to be publicly opened and read for the erection and completion of the General Work for the Armory Building, California National Guard, Long Beach, California, in accordance with plans and specifications therefor.

The building is a two story steel and concrete frame structure with concrete walls and floors, steel and wood roof construction, and tile and composition roofs. Floor area is approximately 21,265 square feet. Alternate bids are required for a garage addition.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, and also at

Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications, and proposal forms may be secured by licensed Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE

GEO. B. MCDUGALL,

State Architect.

E. B. MEEK,
Director of Public Works.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, April 8, 1930, thereafter on said day to be publicly opened and read for the erection and completion of the Assistant Physician's Cottage No. 2, Stockton State Farm, near Stockton, California, in accordance with plans and specifications therefor.

The building is a one-story frame structure of six rooms and basement with stucco exterior and shingle roof.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

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STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE

GEO. B. MCDUGALL,

State Architect.

E. B. MEEK,
Director of Public Works.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the Department of Public Works, Division of Highways, at the office of the District Engineer, Room 211, State Building, San Francisco, California, until 3 o'clock P. M., on Monday, March 24, 1930, at which time they will be publicly opened and read, for performing work as follows:

Lake County, between Middletown and the old Williams Road (IV-Lak-49 A.B.C.), about twenty-three (23) miles in length, light fuel oil to be furnished and applied as a dust layer.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the above address.

No bid will be received unless it is made on a proposal form furnished by the District Engineer. Each bid must be accompanied by cash, or a certified check made payable to the Director of Public Works, for an amount equal to ten (10) per cent of the amount bid, such guaranty to be forfeited should the bidder to whom the contract is awarded fail to enter into the contract.

The Department of Public Works reserves the right to reject any or all bids and to accept the bid deemed the best interest of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

By JNO. H. SKEGGS,

District Engineer, Dist. IV

Dated: March 6, 1930.

NOTICE TO CONTRACTORS

Mechanical Work

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, April 8, 1930, thereafter on said day to be publicly opened and read, for the installation and completion of the Mechanical Work for the Armory Bldg., California Nat'l Guard, Long Beach, California, in accordance with plans and specifications therefor.

Mechanical Work includes Plumbing, Heating, and Electrical Work. Separate bids will be received for "Electrical Work" and for "Plumbing and Heating Work." Combined bids will also be received covering all three branches of the work.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications, and proposal forms may be secured by licensed Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten

per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE
GEO. E. McDOUGALL,
State Architect.
B. B. MEEK,
Director of Public Works.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on March 26, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Glenn County, between Logandale and Willows (H-1-Gle-7-A), about five and two-tenths (5.2) miles in length, to be paved with Portland cement concrete.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen and forms of pro-

posal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the office of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

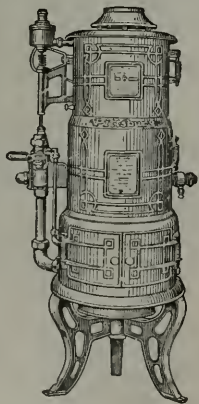
Dated February 26, 1930.

FERGUSON COMPANY TAKES OVER DEVORE COMPANY

The H. K. Ferguson Company, international engineers and builders, with headquarters in Cleveland, reports that it has taken over the DeVore Company of Toledo, Ohio, for many years specialists in glass plant and paper mill layout and design. H. C. Van Tine, president of The DeVore Company, will join The H. K. Ferguson Company about April 1 as contract engineer and consultant in the design of glass and paper factories. For 15 years The DeVore Company handled the design of all plants in the United States and Canada for the Libbey Owens Company and for a similar period served The Mid-West Box Company, and its successor, the Container Corp. of America.

The proposed public building program is the brightest ray of sunshine in the outlook for the cement companies for 1930. R. B. Henderson, president of Pacific Portland Cement Co., informed stockholders of the company at their annual meeting March 7. Henderson's report showed that the volume of cement and plaster business during the year was disappointing as a result of the nation-wide reduction in consumption of 3.7 per cent as compared to 1928. However, the company was enabled to earn \$5 a share on the common stock after paying preferred dividends through economies effected during the year, particularly in manufacturing. Henderson emphasized the fact that the company's cash position is stronger than it has been for a number of years with the ratio of current assets 9 to 1 of current liabilities. All officers and directors of the company were re-elected without change.

Tulare, Calif., finds that the city form of government pays it recently gave the city manager a raise from \$3,000 to \$3,600 a year.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the "Pittsburg" coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

Pittsburg Water Heater Co.

Makers of "Pittsburg Automatic"—"Bungalow Automatic" Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland 478 Sutter St., San Francisco

SEND FOR CATALOGS

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

274	Bell	Owner	3500
275	Jacobsen	Andersen	4000
276	Joy	Ostlund	3500
277	Miller	Owner	4000
278	Neil	Owner	4000
279	Schoppe	Owner	16500
280	Anderson	Owner	4000
281	Boothe	Owner	9000
282	Meyer	Johnson	3750
283	Meyer	Owner	12000
284	Meyer	Owner	16000
285	Mohler	Owner	4150
286	Struthers	Conway	8000
287	Janssen	Owner	5000
288	Rasmussen	Owner	30000
289	Young	Owner	5000
290	American	Herrmann	5000
291	California	Spivock	2000
292	Faggioni	Owner	4000
293	Faggioni	Owner	4000
294	Morris	Owner	21000
295	Nields	Owner	1000
296	Pacific	Pacific	3500
297	Simpson	Owner	9000
298	Doelger	Owner	4000
299	Heglin	Owner	4000
300	Mirata	Foliotto	2000
301	Sancal	Owner	100000
302	Stoneson	Owner	5000
303	O'Brien	Owner	7500
304	Abrams	Franceschi	4950
305	Walters	Owner	3500

DWELLING

(274) N JOOST 100 W Baden; 1-story and basement frame dwelling.
Owner—Anna Bell, 216 Joost Ave.
Architect—None. \$3500

DWELLING

(275) S DURANTES 77 W Montalvo; one-story and basement frame dwelling.

Owner—N. D. Jacobsen, 31 Dwight.
Architect—None.
Contractor—C. Andersen, 150 Granville. \$4000

ALTERATIONS

(276) 133 KEARNY ST.; alterations to store.
Owner—F. Joy Shoe Shop, 133 Kearny.
Architect—G. F. Ashley.
Contractor—Ostlund & Johnsen, 1901 1905 Bryant St. \$3500

DWELLING

(277) E 34th AVE. 185 N Judah St.; one-story and basement frame dwelling.
Owner—P. S. Miller, 1366 35th Ave.
Architect—None. \$4000

DWELLING

(278) W 21st AVE. 210 N Ortega; 1-story and basement frame dwelling.
Owner—R. Neil, 108 Burrows St.
Architect—None. \$4000

FLATS

(279) SE NINTH AVE. and Pacheco; two-story and basement frame (2) flats.
Owners—Mr. and Mrs. W. E. Schoppe, 3310 Geary St.
Architect—H. G. Stoner, 220 3rd St., San Mateo. \$16,500

DWELLING

(280) W 25th AVE. 400 S Rivera; 1-story and basement frame dwelling.
Owner—N. W. Anderson, 2427 24th Avenue.
Architect—None. \$4000

DWELLINGS

(281) W HARVARD 50 N Silliman; three 1-story and basement frame dwellings.
Owner and Builder—E. Boothe, 2873 Folsom St.
Architect—L. A. Boothe. each \$3000

DWELLING

(282) SE WOOLSEY 95 NE Brussels; one-story and basement frame dwelling.
Owner—P. Meyer, 2437 San Bruno Ave.
Architect—None.
Contractor—A. Johnson, 133 Harvard Street. \$3750

DWELLINGS

(283) N WAWONA 82 E 21st Ave.; three 1-story and basement frame dwellings.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. each \$4000

DWELLINGS

(284) S ROCKDALE 33 E La Bica; four 1-story and basement frame dwellings.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. each \$4000

DWELLING

(285) W 29th AVE. 375 N Cabrillo; one-story and basement frame dwelling.
Owner—T. E. Mohler, 751 28th Ave.
Architect—None. \$4150

DWELLINGS

(286) E SHOTWELL 195 N 25th St.; two 1-story and basement frame dwellings.
Owner—M. T. Struthers, 2849 Fillmore Street.
Architect—None.
Contractor—G. J. Conway, 2733 Mission St. each \$4000

DWELLING

(287) E BRODERICK 50 N Chestnut; Two-story and basement frame dwelling.
Owner — E. A. Janssen, 811 Hearst Bldg., San Francisco.
Architect—None. \$5000

APARTMENTS

(288) NE FRANCISCO AND BRODERICK. Three-story and basement frame (12) apartments.
Owner—Viggio Rasmussen, % Architect.
Architect—Irvine & Ebbets, 72 New Montgomery St., San Francisco. \$30,000

Capital City Title Company

J. C. PALEN

Manager

914 Seventh Street

Sacramento - California

DWELLING

(289) S GENEVA 100 E Naples; one-story and basement 2-family frame dwelling.
Owner—A. Anderson, 912 Geneva.
Architect—E. Young, 2002 California Street. \$5000

ALTERATIONS

(290) 907-11 MISSION ST.; alterations to stores for bank.
Owner—American Trust Co., 464 California St.
Architect—None.
Contractor—A. H. Herrmann, 464 California St. \$5000

ALTERATIONS

(291) 150 VAN NESS AVE.; alterations to offices.
Owner—California State Auto Assn., 150 Van Ness Ave.
Architect—None.
Contractor—Spivock & Spivock, Hobart Bldg. \$2000

DWELLING

(292) N SHAFTER 75 W Ingalls; 1-story and basement frame dwelling.
Owner—C. Faggioni, 1556 Revere Ave.
Architect—None. \$4000

DWELLING

(293) N SHAFTER 100 W Ingalls; one-story and basement frame dwelling.
Owner—C. Faggioni, 1556 Revere Ave.
Architect—None. \$4000

(294) S JEFFERSON 55-6 E Broderick; three 2-story and basement frame (2) flats.
Owner and Builder—A. T. Morris and Sons, 3500 Fulton St.
Architect—None. each \$7,000

REPAIRS

(295) 28 BRUCE AVE.; repair fire damage.
Owner—C. C. Nields, 22 Bruce Ave.
Architect—None. \$1000

TOWERS

(296) 1231 MARKET ST.; erect two steel radio towers.
Owner—Pacific Broadcasting Co., 938 Market St.
Architect—G. Rushforth, 354 Pine St.
Contractor—Pacific Coast Steel, Matson Bldg. \$3500

FLATS

(297) W 45th AVE. 150 N Cabrillo; two-story and basement frame (2) flats.
Owner and Builder—H. Simpson, 854 35th Ave.
Architect—None. \$9000

DWELLINGS

(298) W 38th AVE. 300 S Judah St.; five 1-story and basement frame dwellings.
Owner—H. Doelger, 1391 8th Ave.
Plans by Owner. \$4000

DWELLING

(299) S MORAGA 107 E 22nd Ave.; one-story and basement frame dwelling.
Owner—Ben Heglin, 1245 24th Ave.
Architect—None. \$4000

ALTERATIONS

(300) 55 DIAMOND ST.; alter dwelling for (2) flats.
Owner—G. Mirata, 4222 22nd St.
Architect—None.
Contractor—R. Foliotto, 949 Filbert St. \$2000

APARTMENTS

(301) COR. BUENA VISTA AVE & Waller St., six-story and basement class C (33) apts.
Owner—Sancal Inv. Corp., core architect.
Architect—A. H. Larsen, 447 Sutter Street. \$100,000

DWELLING

(302) W ST. ELMO 46 N Monterey; one-story and basement frame dwelling.
Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena Ave.
Architect—C. F. Strothoff, 2274 15th St. \$5000

FLATS

(303) W FRANCISCO 168 Broderick; two-story and basement frame (2) flats.
Owner—M. G. O'Brien, 1851 Fulton St.
Architect—None. \$7500

DWELLING

(304) N PRADO 127 E Scott; one-story and basement frame dwelling.
Owners—Mr. and Mrs. R. Abrams.
Architect—Irvine & Ebbets, 744 Call Bldg.
Contractor—L. Franceschi, 125 Cervantes. \$4950

DWELLING

(305) N WILSON ST. 100 W San Jose; 1-story and basement frame dwelling.
Owner—H. Walters, 231 Lobos St.
Architect—None. \$3500

BUILDING CONTRACTS

San Francisco County

49 Shell	Drew	6339
50 Vergez	Stoneson	5750
51 Southern Pacific	Barrett	310000

SWEEPER EQUIPMENT

(49) N BUSH AND W BATTERY ST. N 137-6 S 57-6 E 20 S 80 E 117-6; vacuum sweeper equipment and apparatus.

Owner—Shell Oil Co., 200 Bush St.
Architect—Geo. W. Kelham, 315 Montgomery St.
Contractor—Frank B. Drew as F. B. Drew & Co., Phelan Bldg.
Filed March 7, '30. Dated Feb. 4, '30.
10th of each month. 75%
Usual 35 days. 25%

TOTAL COST, \$6339
Bond, \$3169.50. Sureties, Pacific Indemnity Co. Limit, April 15, 1930.
Plans and Spec. filed.

BUILDING

(50) LOTS 5 and 6 BLK 48, map of Sunnyside; all work on one-story frame building.

Owner—Adolph Vergez.
Architect—None.
Contractor—E. L. Stoneson, 235 Murray St.
Filed and Dated March 11, 1930.

Roof on	1437.50
Brown coated	1437.50
Completed	1437.50
Usual 35 days	1437.50

TOTAL COST, \$5750
Bond, \$3,000. Sureties, Chas. Monson. Limit, 90 days. Plans and Specifications filed.

ANNEX

(51) BLK BOUNDED BY FELL, Lyon, Hayes and Baker Sts.; all work on 6-story and basement annex to hospital.

Owner—Southern Pacific Co., 65 Market St.
Architect—Alfred I. Coffey, Phelan Bldg.
Contractor—Barrett & Hilg, 918 Harrison St.
Filed and Dated March 12, 1930.
Total plus \$15,000, payable

one-half when concrete roof roof on, one-half upon completion, for constructor's profit and office overhead. \$325,000
On execution of agreement. \$15,000 for possible expenditures, after above amt. has been disbursed, not more than 30,000
Every 15 days upon statement of previous payment's disbursement, another sum will be advanced, not more than 30,000
TOTAL COST, \$310,000
Plus \$15,000 for contractor Bond, \$310,000. Sureties, U. S. Guarantee Co. Limit, Feb. 20, 1931. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
March 6, 1930—W CONGO 25 South Hearst Ave S 25 x 100. Ernest H Havas to John P McCall.	

March 6, 1930—TEST BORINGS for foundations and anchorages in the Presidio of San Francisco and the Golden Gate. Golden Gate Bridge & Highway District to Longyear Exploration Co. March 5, 1930

March 6, 1930—SE ALEMANY Blvd 30-365 NE Tingley SE 87-045 NE 50 NW 77-030 SW 50-999 to beg. Gordon W Morris to whom it may concern. February 6, 1930

March 6, 1930—N BRYANT 175 E Fourth St. M J Schloss to Fred Moller. Feb. 26, 1930

March 5, 1930—NW cor FRANCISCO and Baker Sts, lots 33-6x90. Andrea Belli, Vittorio Pera to whom it may concern. March 5, 1930

March 5, 1930—45 CASTENADA AVE. H E Holmes to G and Karl Petterson as G Petterson & Son. February 27, 1930

March 5, 1930—NE COR 21st & NOE Sts, 30x105. T R Angove to Thos A Cuthbertson. March 4, 1930

March 10, 1930—S EVANS AVE bet 3rd and Newhall Sts. James Allan & Sons to Mission Concrete Co. February 8, 1930

March 10, 1930—E MISSION ST bet 20th and 21st Sts. P Biggins or Patrick Biggins to Antone Peterson. March 10, 1930

March 10, 1930—S KIRKHAM S2-6 W 30th Ave. John W and Gertrude Rogers to whom it may concern. March 8, 1930

March 10, 1930—W 30th AVE 175 N Kirkham 25x120. Herbert J and Katherine G Hunt to whom it may concern. March 8, 1930

March 10, 1930—SE MISSION 275 SW 6th SW 365 x SE 85. Sullivan Estate Co to Wm D Cashel. March 3, 1930

March 8, 1930—SE JONES AND Clay E 91-6xS 60. Clay-Jones Building Corp to G P W Jensen. March 8, 1930

March 7, 1930—W CHURCH 76 S Army S 25 x W 80. Jessie J Liuzza to Harry W Strong. March 7, 1930

March 6, 1930—S ELLIS 163-1 East Powell E 113 S 92-6 SW 61-6% NW 108 N 40-9%. Sommer and Kaufmann, Inc to N Geo Wienholz. February 28, 1930

March 11, 1930—E NINTH AVE 25 N Ortega N 25 x E 100. Joseph S Frattessa to whom it may concern. March 6, 1930

March 11, 1930—1720-22 GREENWICH ST. Chas Martin to Robt F Meyers. March 3, 1930

March 11, 1930—W 25th AVE 175 S Uluka 50x120. Castle Bldg Co to whom it may concern. Feb. 10, 1930

March 11, 1930—S ELLIS 163-1 E Powell E 113 SW 61-6% NW 108 N 40-9%. Sommer & Kaufmann, Inc to P J Feykert as Fair Mfg Co. March 10, 1930

March 11, 1930—W 18th AVE 50 N Lawton N 25x95. Herman Christensen to whom it may concern. March 10, 1930

LIENS FILED

San Francisco County

Recorded	Amount
----------	--------

March 6, 1930—NO. 2320 LEAVENWORTH ST. C C W and H H Haun vs R Atthowe. \$720
March 5, 1930—N SACRAMENTO 60 W Franklin W 47 x N 127-8 1/4. H C Krueger vs H Allen Rispin, L G Ecklon. \$303

March 8, 1930—NW EXETER TERRACE 200 SW Paul Ave SW 25xNW 100. E Guglielmo vs E F Grace. \$60

March 7, 1930—S ELIZABETH 155 E Hoffman E 25 x S 114. M Fiore vs A M Dunder and M E McSweeney. \$105

March 7, 1930—W 32nd AVE 250 N Santiago N 50 x W 120. Granfield, Farrar & Carlin vs Sylvan Mirsky. \$400

March 7, 1930—W 32nd AVE 160 N Santiago N 25 x W 120. Granfield, Farrar & Carlin vs Asa M Fairfield. \$300

March 7, 1930—W 32nd AVE 125 N Santiago N 25 x W 120. Granfield, Farrar & Carlin vs Mildred A Bretman. \$300

March 10, 1930—S ORTEGA 95 W 8th Ave W 25 x S 100 lot 21 blk 2126. S W Band vs J G Lehman and Thos Hughes. \$175

March 10, 1930—LOT 36 BLK A map Glen Park Terrace. S W Band vs Olaf and Inga Martensen, Alex Anzelvich. \$172

RELEASE OF LIENS

San Francisco County

Recorded	Amount
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March 8, 1930—E EIGHTEENTH AV 300 S Anza St S 25x E 120. Inland Floor Co to Peter A and Gertrude M Reimus and Geo M Merritt Bldg Co. \$144.41

March 7, 1930—212 FAIR OAKS ST. H R Cinnamon to J A Groeting W S Lyon.

March 6, 1930—NW EAGLE AND Yukon N 244.03 W 89.44 S 27-6 m or 1 SE 70-9. California Constr Co to Alvida C Lehman. \$236.95

March 5, 1930—E EIGHTH AVE 150 S Anza S 25 x E 120. W B Jefferson as The Greater City Lumber Co to Rudolf and Resina Noske and George Shamp. \$236.95

March 4, 1930—SE 26th AVE, and Irving St E 57-6 x S 100. Banks Wrecking Co, Thos F Hogan Jr and J R Anderson as T P Hogan Co, Vermont Marble Co, Central Hardware & Glass Co, The Berger Mfg Co, Carlelee Wall Paper Co, Inc, L A Hufschmidt, Patent Scaffolding Co, Gladding, McBean & Co to J M, Ella and Manford Johnson.

March 11, 1930—ALL BLK 332 1/2 OL bounded on N by Balboa, W by Gt Highway, S by Cabrillo and on E by LaPlaza excepting therefrom that certain parcel of land which was conveyed by A P Hotelling to Park & Ocean Railway Co by deed recorded Jan 24, 84 in 1106 D 134, also excepting that certain piece or parcel of land which was conveyed by the Hotelling Est Co to Olympic Salt Water Co by deed recorded in 740 D 24. George H Hotelling and Jane H Swinerton as to improvements on property.

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
230	Bruner	Livingston	2000
231	Goff	Owner	5000
232	Smith	Owner	3000
233	Tyler	Owner	2600
234	Conlogue	Owner	3100
235	Hause	Owner	35000
236	Kenward	Owner	1200
237	Lodge	Owner	6500
238	Perata	Scott	7230
239	Ritter	Olson	1000
239	Marsten	Livingston	1500
240	Casha	Owner	4000
241	Morris	Owner	3000
242	Netherby	Owner	4500
243	Pacific	Owner	2500
244	Regan	Owner	1000
246	Alameda	Branagh	12000
247	Snook	Christiansen	32000
248	Weber	Furlong	2000
249	Vandecar	Smith	4000
250	Querio	Marietti	3100
251	Frederickson	Owner	5500
252	Nellson	Pressler	3000
253	Perrin	Brayton	3000
254	Reagan	Owner	1300
255	Pressler	Owner	3000
256	Rugg	Owner	4300
257	Standard	Owner	110000
258	Yale	Owner	1000
259	Hampton	Owner	4500
260	Bassett	Owner	1600
261	Klek	Owner	6300
262	Lima	Owner	2500
263	Anderson	Owner	3500
264	Gage	Lyons	6000
265	Judge	Owner	1500
266	Kestri	Owner	3900
267	Reinlinghaus	Owner	3500
268	Fleming	Owner	3950
269	Jacques	Henning	1500
270	Matheyer	Mathayer	4000
271	White	Owner	3975
272	Bigelow	Owner	8500

ALTERATIONS

(230) 2132 CENTER ST., Berkeley; alterations.
Owner—L. J. Bruner, 15th and Clay Sts., Oakland.
Architect—None.
Contractor—W. Livingston, 1152 Euclid Ave., Berkeley. \$2000

RESIDENCE

(231) 757 SPRUCE ST., Berkeley; 1-story 6-room 1-family frame residence.
Owner and Builder—W. G. Goff, 2021 Del Norte, Berkeley.
Architect—J. M. Walker, Grove St. \$5000

RESIDENCE

(232) 1404 PERALTA AVE., Berkeley; one-story six-room 1-family frame residence.
Owner and Builder—H. C. Smith, 2224 Parker St., Berkeley.
Architect—None. \$3000

RESIDENCE

(233) 1502 CEDAR ST., Berkeley; 1-story 5-room 1-family frame residence.
Owner and Builder—Grey Tyler, 1605 Sacramento St., Berkeley.
Architect—None. \$2600

DWELLING

(234) S HILLEN DRIVE 400 W 55th Ave., Oakland; one-story 6-room dwelling and garage.
Owner and Builder—F. W. Conlogue, 2359 Church St., Oakland.
Architect—None. \$3100

PARTMENTS

(235) NW COR. BOND & COLE STs., Oakland; three-story 54-room apts.
Owner and Builder—C. R. House, 4455 Masterson St., Oakland.
Architect—J. I. Easterly, Howden Bldg., Oakland. \$35,000

ADDITION

(236) 111 ALVARADO RD., Oakland; addition.
Owner and Builder—F. B. Kenward, 111 Alvarado Road, Oakland.
Architect—None. \$1200

DWELLING

(237) E TURNLEY, 600 S Sequoyah Road, Oakland; two-story 6-room dwelling.
Owner and Contractor—C. F. Lodge, 749 Collier Dr., San Leandro.
Architect—None. \$5500

STORE

(238) SW COR. 31st & GROVE STS., Oakland; one-story 4-room store.
Owner—A. Perata, 31st and Grove Sts., Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland. \$7230

ALTERATIONS

(239) 791-7 TWELFTH ST., Oakland; alterations to apartments.
Owner—J. F. Ritter, 1772 81st Ave., Oakland.
Architect—None.
Contractor—J. M. Olson, 974 Park St., Alameda. \$1000

ALTERATIONS

(239) NO. 2237 VINE ST., Berkeley.
Alterations.
Owner—W. H. Marsten, 2333 Vine St., Berkeley.
Architect—None.
Contractor—W. Livingston, 1152 Euclid Ave., Berkeley. \$1500

DWELLING

(240) W MONTEREY BLVD. 170 S Redwood Road, Oakland; 1-story 6-room dwelling.
Owner and Builder—Theo. C. Casha, 2123 E 30th St., Oakland.
Architect—None. \$4000

DWELLING

(241) W MORCOM AVE. 200 North Birdall, Oakland; one-story five-room dwelling.
Owner & Builder—M. S. Morris, 2658 25th Ave., Oakland.
Architect—None. \$3000

DWELLING

(242) W SHERIDAN ROAD 250 S Broadway Terrace, Oakland; two-story 6-room dwelling.
Owner and Builder—W. A. Netherby, 3853 Lyman Road, Oakland.
Architect—None. \$4500

WAREHOUSE

(243) NE COR. 40th and LINDEN, Oakland; two-story warehouse.
Owner and Builder—Pacific Graphite Works, 40th and Linden, Oakland.
Architect—C. H. Treichel. \$2500

ADDITION

(244) 6367 SEMINARY AVE., Oakland; addition.
Owner & Builder—W. W. Regan, 6367 Seminary Ave., Oakland. \$1000
245 Duffey Owner 2006

GARAGE, ETC.

(245) NO. 2221 DWIGHT WAY, Berkeley. Garage and alterations.
Owner—C. W. Duffey, 2336 Channing Way, Berkeley.
Architect—None. \$2000

ALTERATIONS

(246) W BROADWAY bet. 4th and 5th Sts., Oakland; alterations.
Owner—Alameda County.
Architect—None.
Contractor—John Branagh, 354 Hohart St., Oakland. \$12,000

WAREHOUSE

(247) SW COR. SIXTH and Webster Sts., Oakland; two-story brick warehouse.

Owner—Chas. E. Snook, Central Bank Bldg., Oakland.
Architect—A. R. Froberg, 520 Ray Bldg., Oakland.
Contractor—H. J. Christiansen, 519 Ray Bldg., Oakland. \$32,000

ALTERATIONS

(248) 4306 TELEGRAPH AVE., Oakland; alterations.
Owner—Weber Estate, 4306 Telegraph Ave., Oakland.
Architect—None.
Contractor—Thos. F. Furlong, 460 Jerome Ave., Piedmont. \$2000

RESIDENCE

(249) 851 INDIAN ROCK AVE.; one-story 5-room 1-family frame residence.
Owner—Mr. Vandecar, 924 Santa Fe Ave., Berkeley.
Architect—W. W. Dixon, 1844 5th Ave., Oakland.
Contractor—J. H. Smith, 677 Santa Barbara Ave., Berkeley. \$4000

RESIDENCE

(250) 1276 65th ST., Berkeley; one-story 5-room 1-family frame residence.
Owner—Fred Querio, 2640 Alcatraz Ave., Berkeley.
Architect—None.
Contractor—C. Marietti, 1201 Stannage Ave., Berkeley. \$3100

DWELLING

(251) 1805 YALE DRIVE, Alameda; 1½-story 7-room frame and stucco dwelling.
Owner & Builder—Karl S. Frederickson, 1512 Hamlet St., Oakland.
Plans by Owner. \$5500

DWELLING

(252) NE COR. CARRINGTON ST. and 42nd Ave., Oakland; one-story 5-room dwelling.
Owner—H. R. Nellson, 1006 7th Ave., Oakland.
Architect—None.
Contractor—Walter Pressler, 1419 Excelsior Ave., Oakland. \$3000

ADDITION

(253) E ADELIN ST. 50 N 14th St., Oakland; addition.
Owner—Octave J. Perrin, 1400 Adeline St., Oakland.
Architect—None.
Contractor—F. R. Brayton. \$3000

DWELLING

(254) 2034C LINCOLN AVE., Alameda; one-story three-room frame and stucco dwelling.
Owner & Builder—R. E. Reagan, 2034 Lincoln Ave., Alameda. \$1800

DWELLING

(255) E 42nd AVE. 60 N Carrington, Oakland; one-story 5-room dwelling.
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—None. \$3000

DWELLING

(256) 1553 77th AVE., Oakland; one-story 5-room dwelling and 1-story garage.
Owner and Builder—Rugg & Lisbon, 7627 Holly St., Oakland.
Architect—None. \$4300

ALTERATIONS & ADDITION

(257) 2743 SAN PABLO AVE., Oakland; alterations and addition.
Owner—Standard Creameries Co., Ltd. 2743 San Pablo Ave., Oakland.
Architect—None.
Contractor—W. K. Owen, 3145 Pleitner Ave., Oakland. \$110,000

SHOP

(258) 1910 CLEMENT AVE., Alameda; galvanized iron machine shop.
Owner and Builder—F. W. Yale, 1115 Regent St., Alameda.
Architect—None. \$1000

RESIDENCE
(259) 1137-39 VIRGINIA ST., Berkeley; one-story 8-room two-family frame residence.
Owner and Builder—Perkins Hampton, 1511 Woolsey St., Berkeley.
Architect—Lawrence Hyde, 372 Hanover, Oakland. \$4500

DWELLING
(260) E LOMA VISTA AVE. 60 N Suter St., Oakland; one-story 3-room dwelling.
Owner and Builder—P. Bassett, 3913 Suter St., Oakland.
Architect—None. \$1600

DWELLINGS
(261) 2521-27 HARRINGTON AVE., Oakland; two-story 5-room dwellings and garages.
Owner and Builder—Paul Louis Kick, 2325 Humboldt Ave., Oakland.
Architect—None. \$6300

DWELLING
(261) N CHAPMAN ST. 150 E Peterson, Oakland; one-story 5-room dwelling.
Owner and Builder—L. Lima, 2916 Chapman St., Oakland.
Architect—None. \$2500

RESIDENCE
(263) 2436 MCGEE AVE., Berkeley; one-story 6-room 1-family frame residence.
Owner and Builder—C. W. Anderson, 2154 Russell St., Berkeley.
Architect—None. \$3500

STORE
(264) 1240 GILMAN ST., Berkeley; one-story class C store.
Owner—A. H. Gage, 2101 Shattuck Ave., Berkeley.
Architect—E. L. Snyder, 2102 Addison St., Berkeley.
Contractor—W. E. Lyons, 354 Hobart St., Oakland. \$6000

(265) 1229 MILVIA ST., Berkeley; alterations.
Owner and Builder—L. R. Judge.
Architect—None. \$1500

RESIDENCE
(266) 2017 MARIN AVE., Berkeley; one-story 6-room 1-family frame residence.
Owner and Builder—David Kestl, 2217 Browning St., Berkeley.
Architect—None. \$3900

RESIDENCE
(267) 598 COLUSA AVE., Berkeley; one-story 6-room 1-family frame residence.
Owner and Builder—B. Felninghaus, 2717 Channing Way, Berkeley.
Architect—None. \$3500

DWELLING
(268) NW COR. HANLEY & Waterhouse Roads, Oakland; 1-story 5-room dwelling.
Owner and Builder—John Fleming, 4261 Suter St., Oakland.
Architect—None. \$2350

OFFICE
(269) 6101 CHABOT ROAD, Oakland; one-story office.
Owner—J. G. Jacques, 2222 Chapel St., Berkeley.
Architect—None.
Contractor—K. J. Henning, 540 Alcatraz Ave., Oakland. \$1500

DWELLING
(270) E 75th AVE. 50 S Ney Ave., Oakland; one-story 6-room dwelling.
Owner—Jennie Matheyer.
Architect—None.
Contractor—L. G. Matheyer Co., 3173 Birdsall Ave., Oakland. \$4000

STORE
(271) E KINGSLAND AVE. 35 N Brookdale, Oakland; one-story store building.

Owner and Builder—J. F. White, 2212 21st Ave., Oakland.
Architect—None. \$3975

RESIDENCE
(272) 1701 SPRUCE ST., Berkeley; two-story 8-room 1-family frame residence.
Owner—A. E. Bigelow, 150 Ardmore Road, Berkeley.
Architect—None.
Contractor—Bigelow & Son, 150 Ardmore Road, Berkeley. \$8500

BUILDING CONTRACTS

Alameda County

No. Owner	Contractor Amt.
49 Hull	Courtright 22665

RESIDENCE
(49) SE COR. ARLINGTON AVE. & San Antonio Ave., Berkeley; two-story frame and stucco residence.
Owners—W. M. and Myrtle Hull, 3051 Adeline St., Berkeley.
Architect—F. H. Slocombe, 85 Cambridge Way, Piedmont.
Contractor—T. D. Courtright, 5098 Marina, Oakland.
Filed March 6, '30. Dated March 1, '30
When 1st floor is laid.....\$4533
When shingle roof is on.....4533
When house is plastered.....4533
When house is finished.....4533
Usual 35 days.....4533
TOTAL COST, \$22,665.
Bond, \$22,665. Sureties, Fidelity and Deposit Co. of Maryland. Limit, 120 working days after March 3. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
March 6, 1930—NE Corner KITT-REDGE St and Shattuck Ave., Berkeley. Adela W Brock to C W Leekins.....February 27, 1930	
March 5, 1930—SE COR 20th AND Webster St., Oakland. Powell Realty Co, Ltd to Geo J Maurer.....February 28, 1930	
March 5, 1930—LOTS 17 and 18 Blk F, Regents Park, map No 3, Oakland. S A Reich to whom it may concern.....March 5, 1930	
March 5, 1930—106 ESTATES Drive, Piedmont. I Abraham to whom it may concern.....March 5, 1930	
March 5, 1930—PUMP HOUSE, East Oakland. Southern Pacific Co to Michel & Pfeffer Iron Works.....February 28, 1930	
March 10, 1930—LOT 6 PT LOT 9 Blk 1, amended map of Loma Park and Wheeler Tract, Berkeley. Hans A Hansson to whom it may concern.....March 5, 1930	
March 10, 1930—LOT 450 BLK X, Fernside, Alameda. J W Murray to whom it may concern.....March 8, 1930	
March 10, 1930—750 FOLGER ST., Berkeley. Mary A Carney to Robt Beck.....March 7, 1930	
March 10, 1930—ELLSWORTH AND Dwight crossing, 18th St line Broadway to Telegraph, 7th St Washington to Jefferson. Southern Pacific Co to Hutchinson Co, Inc.....February 28, 1930	
March 10, 1930—E ALAMEDA loop, Fernside to Briggs, E 18th St line 18th and Poplar. Southern Pacific Co to Hutchinson Co.....February 29, 1930	
March 8, 1930—AT COMPANY'S Station K, Oakland (for drilling two 10-in. electric grounding wells. Pacific Gas & Elec Co to Linscott Drilling Co.....February 27, 1930	
March 8, 1930—SE COR E 20th ST and 6th Ave. Oakland. J S Berovich to Self.....February 17, 1930	
March 8, 1930—W LINE TELEGRAPH AVE 310 ft S 55th St.	

Oakland. Marshall Steel to H J Christensen.....March 7, 1930
March 8, 1930—S SIDE 14th AVE 156 ft E of East 24th St, Oakland. Nels John Nelson to Wiley T Vaughn.....March 7, 1930
March 7, 1930—SW LINE E 15th St 120 ft NW 5th Ave, Oakland. Louis H Cochran to K J Henning.....March 6, 1930
March 7, 1930—LOT 18, Mesa Alta Tract, Oakland. Axel C Nelson to whom it may concern.....March 5, 1930
March 7, 1930—LINE BANCROFT Way 67 ft E Browning St, Berkeley. Hampton Perkins to whom it may concern.....March 5, 1930
March 11, 1930—LOT 35, Best Manor San Leandro. F M and Mary B McCann to Alick Nylander.....March 7, 1930
March 10, 1930—27th AND TELEGRAPH Aves, Oakland. Sears, Roebuck & Company to Michel & Pfeffer Iron Works.....Feb. 25, 1930
March 10, 1930—27th AND TELEGRAPH Aves, Oakland. Sears, Roebuck & Co to P J Feykert, MacGruer & Co, P J Feykert.....February 28, 1930
March 10, 1930—27th AND TELEGRAPH Aves, Oakland. Sears, Roebuck & Co to East Bay Sheet Metal Works.....March 3, 1930

LIENS FILED

Alameda County

Recorded	Amount
March 6, 1930—LOTS 25, 26 and 27, Amended map of Regents Park, Berkeley. A H Cherry, \$181,25; Henry Cowell Lime & Cement Co, \$256.47, vs H K Kouram.....March 6, 1930	
March 6, 1930—LOT 70 Buena Vista, Oakland. Maxwell Hardware Co vs T C and D Riewerts and Thos G Jacques.....\$465.20	
March 6, 1930—LOT 97 Lakeshore Manor, Oakland. Maxwell Hardware Co vs L M and Corrine Patterson.....\$323.2	
March 6, 1930—LOTS 130 and 131, Arbor Villa, Oakland. Tilden Lbr & Mill Co vs East Bay Income Bldrs Corp and A C Cords.....\$167.6	
March 6, 1930—LOTS 119, 122, 123, Blk 339, Blk 130, 131 Arbor Villa, Oakland. Sunset Lumber Co vs East Bay Income Bldrs Corp, Alf Cords.....\$11.5	
March 4, 1930—LOTS 130 and 131, Arbor Villa, Oakland. Joseph Bros \$1046; Western Roofing Co, \$120, vs Income Builders Corp, Ltd, Alfred Cords.....\$119.	
March 7, 1930—N SIDE IVY DRIVE 250 ft E Park Blvd, Oakland. Superior Tile & Products Co vs Alf Cords.....\$7.	
March 10, 1930—20th ST, Oakland. Carl T Doell Co vs Julia N and Muriel Dietzler.....\$119.	
March 10, 1930—W LINE OF GROVE 56 ft S 29th St, Oakland. Sterling Lumber Co vs B J and Anna Riewerts, C R Baender, State Roofing Co, L L Wilson.....\$56.	
March 10, 1930—1063 CURTIS ST. Albany. M M Friedman, \$200; Piedmont Decorating Co, \$129.75; Karnak Tile & Mantel Co, \$50, vs George Wyatt.....\$200.	
March 10, 1930—SIDE NINTH ST 100 ft E Fallon St, Oakland. Golden Gate Plumbing Shop (H M Donovan) vs Japanese American Society of Oakland, S M Tieglund.....\$855	
March 7, 1930—LOTS 10 and 11 Blk 385-594 Market St, Tract, Oakland. Earl Woods and Thomas Chard vs Walter J Smith, Frank Johnson Mrs W M Booth.....\$	

March 11, 1930—920 to 936 UNION St., Oakland, inclusive, Frank M S Cabelleira vs J P and John Doe Cummins\$182
 March 11, 1930—1063 CURTIS ST., Albany. E O Dryer vs George Wyatt\$110
 March 11, 1930—929 TALBOT ST., Albany. E O Dryer vs George Wyatt\$140

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
March 6, 1930—SW 50 FT LOT 2 Bk 13, Broadmore, San Leandro.	
Makin & Kennedy, Inc. to Harold Page, J W Gaba, John A McCord	
.....	\$70.98

BUILDING CONTRACTS

SAN MATEO COUNTY

ALTERATIONS

MENLO PARK. All work for erection and alteration of buildings.
 Owner—Allied Arts Guild of Calif., Ltd.

Architect—None.
 Contractor—Meese & Briggs, 1425 Broadway, Burlingame.

Filed Mar. 4 '30. Dated Mar. 3, '30.
 TOTAL COST, \$—
 Bond, limit, forfeit, plans and specifications, none.

NOTE—Contractor receive 10% of cost.

DWELLING

LOT 26 PART LOT 30, Stanford Park Annex, San Mateo. All work for dwelling.

Owner—James Wood.
 Architect—None.
 Contractor—L. E. Withgitt, Cambridge Road, Menlo Park.

Filed, —, Dated, —,	
Roof on	1/4
Plastered	1/4
Finished	1/4
Usual 35 days	1/4

TOTAL COST, \$1975
 Bond, none. Limit, 60 days. Forfeit, none. Specifications only filed.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$8500; Center Ptn. Lot 146 W. Poplar St., San Mateo; owner, R. P. Minor, 1511 Columbus Ave., Burlingame.

ALTERATIONS, \$1000; Lot 11 Bk 11, No. 361 B St., San Mateo; owner, W. S. Leadley, 211 Mt. Diablo Ave., San Mateo; contractor, Leadley & Wiseman, 207 2nd Ave., San Mateo STORE building, \$5000; Lot 24, Third Ave., San Mateo; owner, W. Freeman Burbart; contractor, Young & Horstmeier, 461 Market St., San Francisco.

RESIDENCE, \$12,000; Lot 20 Bk 15, No. 466 Parrott Drive, San Mateo; owner and contractor, Charles Hammer, 1524 Floribunda Ave., San Mateo.

RESIDENCE, \$7500; No. 34 Claremont Ave., being Lot 9 Bk 21, San Mateo; owner and contractor, Thos. H. Watson, 211 Hobart St., San Mateo.

DWELLING and shed, \$2000; Lot 3 Bk 4, Isabella Ave., San Mateo; owner and contractor, F. W. Nelson.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
Feb. 28, 1930—PART LOT 2 Bk 10 East San Mateo. Edward Doherty	

et al to Edward Doherty.....Feb. 24, 1930
 March 3, 1930—LOT 1 Bk 4, West Belmont. Donald C Brooks to M J McDonough.....Feb. 28, 1930
 March 3, 1930—BELMONT SCHOOL Belmont School District to H R Park and John Smith (2 completion notices).....Feb. 26, 1930
 March 3, 1930—LOT 2 Bk 58, San Mateo. N Hasaka to M J Henry.....Feb. 28, 1930
 March 4, 1930—ATHERTON. Horace X Baxter to Henry B Past.....Feb. 28, 1930

March 4, 1930—NO. 615 BREWER Drive, Hillsborough. Robert A Roos to C H Bessett Bldg. Co.....Dec. 1, 1929
 March 4, 1930—LOT 8, Woodstock in Hillsborough. G W Williams Co to whom it may concern.....February 28, 1930

March 5, 1930—LOT 12 Bk 63, Part Lots 11 and 12 Bk 63, Easton E S Shover to whom it may concern (2 completions).....March 1, 1930
 March 6, 1930—PART LOT 4 Bk 22, San Mateo Heights, San Mateo. J Leonard et al to Frank J Terrea.....Feb. 24, 1930
 March 6, 1930—PART LOT 102, San Mateo; Part Lot 102, San Mateo Park; Part L 6 Bk 21, Easton. Lengfeld & Olund to whom it may concern (3 completions).....March 6, 1930

March 6, 1930—LOT 31 Bk 16, Vista Grand. Frank L McAfee to whom it may concern.....March 5, '30

March 7, 1930—LOT 54, Brewers Property. Raimund Wurlitzer to Lloyd Simpson.....March 3, 1930

March 7, 1930—NOT 67, Peninsula Manor. G F Bishop to E D Howard.....March 5, 1930

March 7, 1930—LOT 8 Bk 3, Ravenswood. J H Stubbe et al to A C Held.....Feb. 20, 1930

March 3, 1930—LORTON AVE, 50x 100 ft., Burlingame. J C Cummings to Henry Walker.....Feb. 7, '30

March 8, 1930—LOT 3 Bk 6, Burlingame. Moses Little to whom it may concern.....March 5, 1930

March 10, 1930—PART LOT 13, Kate Johnson Estate Tract, San Mateo John E Levy to whom it may concern.....March 8, 1930

March 10, 1930—PART LOTS 119 & 117, San Mateo City Homestead. Wallace Waterhouse to whom it may concern.....Feb. 28, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
March 5, 1930—PART 7.13 ACRES land at Woodside. A E Rawlings vs William D Flinn et al.....\$205	
March 5, 1930—LOT 12 Bk 14, Bayview Heights. Pacific Mill & Cabinet Co vs Ben Thompson et al.....\$681.25	

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
March 6, 1930—LOT 76, Bay Shore Highway Tract. Alvin Davis to J C Rodgers et al.....	
March 10, 1930—SOUTH SAN Francisco. Soule Steel Co to Marchant Motor Patents Co.....\$5439	

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$9000; Lot 21 Bk 46, Bernal; owner, E. J. Schaeppeler; contractor, H. G. Halsher, 325 Elm St., San Mateo.

BUNGALOWS, nine, \$32,000; Lots 5 and 6 Bk 4 Bayshore; owner and builders, Oswald & Rucker, Inc., Mills Bldg., Burlingame.

BUNGALOW, \$5000; Lot 63 Gates Cambridge; owner, Harry B. Allen; contractor, D. B. Galdstone, Tuscaloosa Atherton, Palo Alto.

ALTERATION, \$1300; 733 Walnut; owner, E. Kestler, 743 Winchester Drive, Burlingame; contractor, E. H. Bessett Bldg. Co., 826 Walnut, Burlingame.

BUNGALOW, \$5000; Lot 62 Gates Cambridge; owner, H. B. Allen; contractor, D. B. Galdstone, Tuscaloosa Atherton, Palo Alto.

BUNGALOW, \$5600; Lot 20 Bk 45 Bancroft; owner and builder, B. Hallmagel.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and rustic, \$3500; No. 691 Princeton St., Palo Alto; owner, Cleo A. Kopp; contractor, Kopp Bros.

ALTER residence, \$10,000; No. 970 University Ave., Palo Alto; owner, T. H. Clive, Premises; contractor, Russell & Duncan.

RESIDENCE, frame & stucco, \$3500; No. 470 Matadeo Road, Palo Alto; owner, Miss K. Dillon; contractor, M. A. Callagy.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 5-room and basement and garage, \$3000; No. 410 Hilton St., Redwood City; owner, A. N. Blomquist, 406 Hilton St., Redwood City.

BUILDING PERMITS

STOCKTON

REPAIR fire damage, \$1300; No. 745 W. Rose St., Stockton; owner, J. C. Harrison, Premises.

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
Feb. 28, 1930—LOT 4 Bk 21, Lendrum Tract, San Jose. San Jose Lumber Co to F J Higueria.....	
Feb. 28, 1930—101 AC ON N Charleston Road, Santa Rita Rancho. Manuel Fagundes to George F Clough.....	

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
Feb. 28, 1930—LOT 20 Bk 124, Crescent Park No. 2, Palo Alto. E M Brickey to whom it may concern.....Feb. 27, 1930	
Feb. 28, 1930—LOTS 6 AND 11 Bk 3, Montecitos Subd. Bruno Bisceglia to whom it may concern.....Feb. 18, 1930	

March 1, 1930—SW 1/4 LOT 12, Lincoln Half Acres, San Jose. David L Strom to whom it may concern.....Feb. 28, 1930

March 1, 1930—LOT 19 Bk 11, Interurban Park Tract, San Jose. J W Straight to whom it may concern.....Feb. 28, 1930

March 1, 1930—LOT 4 Bk 3, Fair-oaks Addn, Sunnyvale. Mayme M Hall to whom it may concern.....Feb. 17, 1930

March 1, 1930—LOT 2 Bk 3 & 4 N R 1 E, Gilroy. General Petroleum Corp to whom it may concern.....Feb. 5, 1930

March 3, 1930—LOT 20 BLK 124, Crescent Park No. 2, Palo Alto. E M Brickley to whom it may concern. Feb. 27, 1930

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
March 1, 1930—PART LOTS 2, 4 & 6 Blk 105, Pacific Grove Retreat 3rd Addition. J C Anthony and D D McAnaney to whom it may concern. Feb. 28, 1930
March 1, 1930—LOTS 1 AND 2 BLK 19 Map of Riker & Jackson Survey, Monterey. Claude J Musselmann to whom it may concern. March 1, 1930
March 1, 1930—ALL OF THAT portion of 3.8476 Acre Tract in Rancho National, Monterey Co. C O Bretherick to whom it may concern. March 1, 1930
March 3, 1930—LOT 15 and N 10 ft. Lot 17 Blk J Map of Adm No. 1, Carmel-by-the-Sea. Chas T Lillard to whom it may concern. March 1, 1930

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount
March 3, 1930—PART LOT 123, Cotati Rancho Sub No. 5. Sterling Lumber Co to Louis and Ella Heikkila. \$31
March 4, 1930—LOT 2 BLK 31, City of Healdsburg. Healdsburg Lumber Co to F Barcey, Tony De Setta, John Doe, Richard Roe, etc. \$59.25
March 4, 1930—WEST ROSELAND. Marshall Maxwell to John A Lette et al. \$392
March 4, 1930—PART WEST ROSELAND Tract near Santa Rosa. Mead Clark to John A and Bessie L Lette. \$1098.20

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
March 5, 1930—LOT F BLK 23. Sherwood & Hellman's Map of Salinas City. Margherita Modena to L Manning. March 5, 1930
March 7, 1930—LOT 22 NE 15 ft. Lot 21 Blk 25, Map of Salinas City. George Genser to whom it may concern. February 28, 1930
March 7, 1930—BEG. AT STEEL pin on NW wall line of Monterey and Watsonville highway, Castroville. D Pieri to W A White. March 1, 1930
March 8, 1930—LOT 12 BLK 14. Homestead Addition to Salinas City. E A Oakley to whom it may concern. March 7, 1930
March 10, 1930—SV CAPITOL ST. and Central Ave. Salinas City. Salinas City School District to J H Graham. March 4, 1930
March 10, 1930—LOT 23 BLK 15, Map of F. S. Spring's Addition to Salinas City. Jacob C Boyesen to whom it may concern. Mar. 7, 1930
March 10, 1930—E 130 FT. LOT 10 Blk 17, Map of Homestead Addition to Salinas City. Frank L Viena to whom it may concern. March 10, 1930

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
March 5, 1930—LOT 2 BLK 217. Monterey Peninsula Country Club Subdivision No. 2, Monterey.

Patrick, The Plumber; George D and Victor H Patrick to Wade O Halstead and William C Bogen. \$135

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
N, O TWENTY-SEVENTH AND Twenty-eighth Sts., Sacramento. All work for six-room dwelling. Owner—Mr. and Mrs. Ray G. Houston 2705 O St., Sacramento. Architect—None.
Contractor—A. E. Erickson, 1924 El Monte St., Sacramento.
Filed Mar. 10, '30. Dated Feb. 28, '30. TOTAL COST, \$4854

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 6 room, \$6000; No. 2974 Govan Way, Sacramento; owner, Land Drive Terrace, 819 T St., Sacramento.
SERVICE station, \$3000; No. 2101 10th Ave., Sacramento; owner, College Investment Co, 817 J St., Sacramento.
GENERAL repairs, \$1000; No. 1114½ Fourth St., Sacramento; owner, Amelia Barnhart, Premises; contractor, Guth & Fox.
STORE, \$9000; No. 2716 to 2730 Sacramento Blvd., Sacramento; owner, Wright & Kimbrough, 817 J St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
March 8, 1930—LOT 141, W & K Tract No. 3, Sacramento. James Harrigan to whom it may concern. March 8, 1930
March 10, 1930—LOT 3, McKinley Park Terrace except S 15 ft., Sacramento. S E Eden to whom it may concern. March 7, 1930
March 10, 1930—LOT 48, Harding Place, Sacramento. Peter B and Georgia Andrews to whom it may concern. March 1, 1930
March 5, 1930—S 120 ft LOT 8 and W 4 ft of N ½ lot 7 blk M and M. 15 and 16th, Sacramento. Eugene J Seadler to whom it may concern. March 3, 1930
March 4, 1930—LOT 6, 14th and 15th Sts., Sacramento. Howard F Benedix to whom it may concern. January 5, 1930
March 4, 1930—LOT 6, H. J. 14th & 15th Sts., Sacramento. Howard F Benedix to whom it may concern. Feb. 20, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Feb. 27, 1930—S ½ OF W ½ LOT 8 S. T. 20th and 21st Sts., Sacramento. J Harry Blamey (as Blamey Decorating Co) vs Bertha Nicolaus. \$250

RELEASE OF LIENS

SACRAMENTO COUNTY

Recorded Accepted
March 8, 1930—E ¼ LOT 28, New Prague Subd., Sacramento. California Almond Growers Exchange to L W Austin and A T Bold (2) release of liens)

BUILDING PERMITS
FRESNO

DWELLING, \$2500; No. 2344 Rose St., Fresno; owner, Peter and Leo Mical, Rt. 9, Box 606, Fresno; contractor, Leo Mical, Rt. 9, Box 606, Fresno.
GARAGE, \$3900; No. 1935 S-Broadway, Fresno; owner, C. A. Barton, Premises; contractor, J. Kojigian, 1465 White St., Fresno.
ALTERATIONS and additions, \$1500; No. 1543 Patterson Ave., Fresno; owner, Paul E. Manogian, Prem.; contractor, J. Kojigian, 1465 White St., Fresno.
DWELLING, \$4000; No. 819 Cambridge Ave., Fresno; owner, A. F. Lambert, 1576 Poplar St., Fresno.
ALTERATIONS and additions, \$1000; No. 941 G St., Fresno; owner, Big Six Co., Premises; contractor, Fisher & McNulty, Mattei Bldg., Fresno.
STORE room, \$11,000; No. 2108 Calaveras St., Fresno; owner, Brix Rubber Co., Premises; contractor, J. T. Cowan, 750 Elizabeth St., Fresno.
SERVICE station, \$1800; No. 1560 Van Ness Ave., Fresno; owner, Brix Rubber Co., Premises; contractor, J. T. Cowan, 750 Elizabeth St., Fresno.

COMPLETION NOTICES
FRESNO COUNTY

Recorded Accepted
March 7, 1930—WHITES BRIDGE Ave., Fresno. Southern Pacific Co to W A Bechtel Co. March 7, 1930
March 5, 1930—LOTS 31 AND 32 Blk 1, Englewood Addition, Fresno. George Marks to Ernest Russell. March 4, 1930
March 8, 1930—BLK F, Fresno. Pythian Holding Corp to Jolly & Harrington. Feb. 24, 1930
March 4, 1930—LOT 9 NW ¼ Lot 10 Blk 23S, Fresno. Mrs. Peter Brumm to whom it may concern. Feb. 26, 1930
March 4, 1930—LOT 1 N ½ Lot 2 Blk 13, La Sierra Tract, Fresno. Farm Equipment Co to whom it may concern. March 1, 1930
March 4, 1930—LOT 22 (except E 20 ft.) Lot 23 Blk 3, Zapps Park No. 2, Fresno. A C Smith to whom it may concern. March 3, 1930

LIENS FILED
FRESNO COUNTY

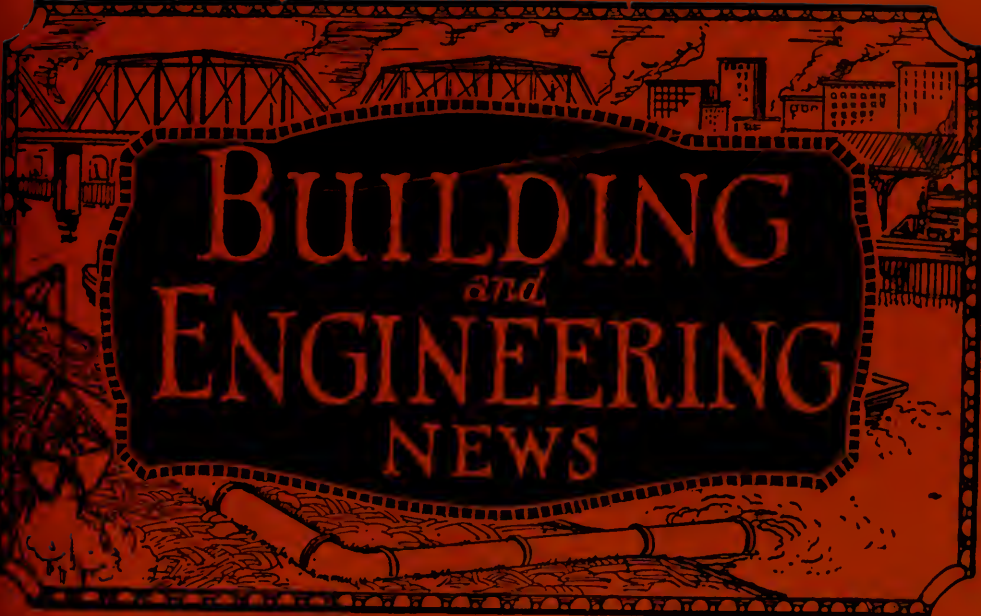
Recorded Amount
March 8, 1930—LOT 10 BLK 10 N Park Terrace, Fresno. George Elia vs M D Marderosian. \$115

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San Francisco



BUILDING *and* ENGINEERING NEWS

Publication Office
360 Mission Street

SAN FRANCISCO, CALIF., MARCH 22, 1930

Thirtieth Year, No. 12
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., MARCH 22, 1930

Thirtieth Year, No. 12

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

FINANCIAL COMEBACK TO AID BUILDING SAYS LAMONT

Robert P. Lamont, Secretary of Commerce, announces that the lower interest rates on money throughout the country should permit an important speeding up during the next few months in new construction, which he said already had been stimulated by the "remarkable co-operation" from the states.

The commerce secretary asserted the high interest rates during the last year has been one of the major factors in slowing down construction and added that while the rate had dropped in New York, the easier money conditions have not yet reached throughout the country.

This condition could not be worked out in 24 hours, Lamont said, but the situation is gradually loosening and construction during the spring should be greatly aided by the easier money.

The secretary pointed out that the states and governors have been pushing public construction and have been aided by the government wherever possible.

The State of Ohio was cited by Lamont as one of the states which has gone farthest in its efforts to offset the depression following the stock market crash. Ohio, he said, has let approximately \$3,000,000 in road contracts since December, during a period when road construction ordinarily is at a standstill in that section.

The secretary added that 86 county committees composed of laborers, manufacturers, merchants, bankers and others have been formed in that state to stimulate private enterprise. Lamont also said his department was working toward a constant check of the number of unemployed. The unemployment census to be taken next month, he explained, will be used as a basis on which figures can be kept up to date.

ADVISORY BOARD IS PLAN OF NEW YORK BUILDERS

Plans for a permanent advisory board and a fact-finding commission to study and assist in adjusting contract difficulties and disputes of all kinds in the building industry have been presented to the New York Building Congress by Robert D. Kohn, president of the Congress, and S. F. Voorhees, past-president.

The proposed plan is the outcome of a series of conferences held with leaders in all branches of the construction industry over a period of months, and is the outgrowth of a temporary fact-finding committee established last spring following the difficulties arising from the threatened lock-out and strike involved in the electrical trade situation.

The mass of testimony given to the fact-finding committee indicated that better methods of adjusting trade and labor disputes were badly needed.

U. S. STEEL UNFILLED TONNAGE INCREASED

Unfilled tonnage of U. S. Steel Corporation on February 23, amounted to 4,479,748 tons, against 4,468,716 tons on January 31, 4,417,193 tons on December 31 and 4,144,341 tons on February 28, 1929.

Increase of 11,038 tons in backlogs of U. S. Steel Corporation brought total to highest level since January, 1926. Although the gain was comparatively small, it marked sixth consecutive month in which an increase was reported and was particularly encouraging to those in the industry who have been forecasting a "good average year" for steel manufacturers during 1930.

Prior to the publication of statement considerable uncertainty existed as to just what would be shown, with majority of the observers looking for a decrease, but, as a result of month-end adjustment and other factors, it was possible to report the gain.

Despite falling off in operations in some steel centers during the week just past, it is felt in trade circles that, on the whole, both operations and bookings and earnings of leading companies, at least, in the initial half of this year, will be favorably comparable with similar periods of normal years.

OAKLAND PLUMBERS REQUEST MUNICIPAL FEE REDUCTIONS

Complaining against the financial burden imposed upon them because of the license and bond regulations in the Oakland plumbing ordinances, a delegation of master and journeyman plumbers visited Commissioner C. C. Young, asking that these financial burdens be either lessened or abolished.

A master plumber must pay a license of \$50 per annum. In addition to this, every master plumber must deposit a \$100 cash bond with the city to guarantee his prompt payment of all licenses fees, fees on individual jobs, and all such minor costs, as well as guarantee that all work shall be done in compliance with the law. A journeyman plumber pays only a \$2.50 a year license.

The master plumbers pointed out that it costs them \$150 to do business in Oakland, in addition to their regular business overhead. They asserted that other cities, generally, do not impose such a heavy financial burden on plumbers, and they asked relief.

Young told them he would hold a conference with the other commissioners to see whether it would be possible to alter the ordinance so that the \$50 fee, at least, might be reduced.

STOCKTON PORT COMMISSION TO BE CREATED

A special election will probably be called in Stockton this fall for the creation of a Stockton Port Commission. J. LeRoy Johnson, city attorney, has started preparation of an ordinance providing for the commission.

Civic leaders have recognized for many years that a non-political body to conduct the affairs of the \$6,000,000 port after it is constructed, is more desirable than any other form of management, according to A. M. Robertson, secretary-manager of the Stockton Chamber of Commerce.

In anticipation of formation of the port commission, city officials and civic leaders have been studying the formation and methods of the Oakland Port Commission.

STOCKTON BUILDERS ELECT

Louis S. Peletz was elected president of the Stockton Builders' Exchange at the annual election March 4. Other officers are: Jack Scott, vice-president; John Pengelly, treasurer, and Earl M. Lewis, secretary. Peletz was honored recently by being elected a member of the board of directors of the national association at the San Francisco convention.

New directors are: Peletz, Scott, Lewis, J. F. Ecker, Ernest Sieler, Pengelly, Bart Cavanaugh, William F. O'Keefe, James McIntosh, Don Meek and W. T. Gibson (by agreement).

CALAVERAS CEMENT COMPANY HAS GOOD YEAR

Net earnings of Calaveras Cement Company for 1929 amounted to \$524,853, which is equivalent to \$23.23 per share on the preferred and equal to \$2.98 a share on the common after income tax allowance and preferred dividends.

Earnings available to the common stock was \$367,080, of which \$17,948 was profits from sale of capital assets. This nonrecurring profit was equivalent to 19 cents per share of common stock, and earnings from operations were equivalent to \$2.75 per share of common stock.

The balance sheet as of December 31, 1929, shows the ratio of current liabilities to be 6.8 to 1, and cash and call loans alone are 3.5 times current liabilities consist only of estimated Federal income tax for the year, and dividend payable January 15, 1930.

Capital assets are being depreciated rapidly. The statement shows total land, buildings, machinery and equipment carried at \$1,664,000. This is 19 per cent less than the figures as of March 31, 1929, which were published in connection with the issuing of these securities to the public.

During the year, capital surplus was practically doubled, increasing from \$366,309 to \$739,028.

CERTIFIED INSPECTION AIM OF BUILDING LAW ORDINANCE

An ordinance providing for the inspection in addition and supplement of the San Francisco Department of certified building inspectors, Supervisors by John B. Leonard, sup Inspector.

Such inspectors would be employed salary to be paid by the owner or his the progress of the work would be sub Municipal Bureau of Building Inspection which also provides that the building certified inspectors and their qualification made.

Applicants for certificates to open new ordinance, must have at least experience and will be required to take or both.

The proposed ordinance, as sub lished herewith:

PROVIDING FOR THE ESTABLISHMENT OF A SYSTEM OF CERTIFIED BUILDING AND CONSTRUCTION; PRESCRIBING QUALIFICATIONS, DUTIES AND TRIALS OF INSPECTORS; AND PROVIDING A PENALTY FOR VIOLATION THEREOF.

Be it ordained by the people of the City and County of San Francisco, as follows

Section 1. There is hereby established a system of building inspection in addition and supplementary to that now in effect, through and by means of certified building inspectors who are hereinafter defined.

Section 2. A certified building inspector must be employed on a full or part time basis as the conditions may demand for the purpose of inspection, and he shall inspect the construction of all structural portions of any building, or any building construction work, to be executed or performed under the jurisdiction of the Board of Public Works through its Bureau of Building Inspection in the City and County of San Francisco at a salary or wage to be paid by the owner or his architect or his engineer.

Section 3. Such inspector shall inspect the construction of all structural portions of buildings, including steel, reinforced concrete, concrete, masonry, and other structural portions, all piling, foundations and retaining walls, performed under the jurisdiction of the Board of Public Works, through its Bureau of Building Inspection in the City and County of San Francisco, and report the result thereof to the Superintendent of the Bureau of Building Inspection.

Section 4. The structural portion of a building shall be understood to be the load carrying elements as designated by the Superintendent of the Bureau of Building Inspection. The portions of timber frame structures wherein the size of the timber members are specifically designated in an ordinance shall not be included in this requirement.

Section 5. He shall report to the Superintendent of the Bureau of Building Inspection at such times and in such manner as said Superintendent directs, and shall conduct any investigations into the structural portions of the buildings, necessary for the observance of the structural features as set forth in the Building Laws.

Section 6. A certified Inspector shall be one to whom the Board of Public Works, through the Superintendent of

the Bureau of Building Inspection, has issued a certificate stating the type or types of construction on which he may be engaged or employed, and he shall not be engaged or employed, or accept employment on any type of construction other than that for which his certificate qualifies him.

Section 7. A list of certified inspectors and their qualifications, from which selection shall be made, shall be posted in a conspicuous place in the business office of the Bureau of Building Inspection in the City Hall. Testing laboratories employing certified inspectors and using only certified inspectors for this service may be named in the posted list.

Section 8. All applicants for a certificate must have at least five years practical construction experience and file with their application to the Superintendent of the Bureau of Building Inspection a written statement of their experience, training, and evidence of good character. A graduate of the college of engineering of a recognized university shall be given two years experience credit for his collegiate work. Applicants shall be required by the Superintendent of the Bureau of Building Inspection to show by either oral or written examination or both, conducted under rules of the Board of Public Works, their qualifications for the performance of the duties of a certified inspector. The Board of Public Works may appoint examining boards, which boards may consist of members nominated by leading industrial, commercial and technical organizations of San Francisco. Upon the recommendation of the examining boards and the Superintendent of the Bureau of Building Inspection, the Board of Public Works shall direct the issuance of a certificate.

Section 9. Every applicant shall pay to the Cashier of the Board of Public Works the sum of Ten (\$10.00) Dollars, and shall submit evidence of such payment to the Superintendent of the Bureau of Building Inspection with his application. This money shall be used for the establishment of a system of building inspection to that of the Bureau of Building Inspection of Public Works through the Board of Public Works.

ed on a full or part time basis at a architect or engineer. Reports on mitted to the Superintendent of the tion, under the proposed ordinance, bureau files contain a list of the cations from which selections might be

ate as "certified" inspectors, under the five years practical construction experience an oral or written examination

mitted to the supervisors, is pub-

forthwith become the property of the City and County of San Francisco. All certified inspectors shall be at all times subject to the rules and regulations of the Board of Public Works.

Section 10.—If at any time an inspector is found incompetent, negligent, dishonest, recalcitrant, or derelict in his duties in the judgment of the Superintendent of the Bureau of Building Inspection, said Superintendent may suspend him for a period not longer than ninety (90) days, and

during such suspension he shall not be eligible for employment as certified inspector in the City and County of San Francisco. His certificate may be revoked by the Board of Public Works after a fair and impartial hearing given to him after at least five (5) days' notice in writing. The trial of any such certified inspector shall be conducted under rules prescribed by said Board of Public Works.

Section 11. The City and County of San Francisco shall not be or become liable for the incompetence, neglect, dishonesty, carelessness or dereliction of duty of any certified inspector.

Section 12. If any part or provision of this ordinance is adjudged void or unlawful for any reason whatsoever, such part or provision may be disregarded and shall in nowise interfere with or affect the other provisions of the ordinance.

Section 13. This ordinance shall take effect thirty (30) days from date of passage.

Section 14. Any person, firm, association or corporation violating any of the provisions of this ordinance shall be guilty of a misdemeanor and upon conviction thereof shall be punished by a fine not to exceed Five Hundred (\$500.00) Dollars or by imprisonment in the County Jail for not more than six (6) months or by both such fine and imprisonment.

SIMPLIFIED PRACTICE BECOMING RECOGNIZED IN INDUSTRY

Simplified Practice in the manufacturing industry and general business in California is becoming recognized not only as a basic factor of efficiency but one of great economic saving, according to Chas. M. Gunn, chairman of the Simplified Practice Committee of the California State Chamber of Commerce.

"California business men," states Gunn, "are now taking advantage of the opportunities offered by the United States Department of Commerce to bring about simplified practice in industry. We are fortunate in California that we are organized through our State Chamber of Commerce to coordinate the different agencies in obtaining greater efficiency and reducing costs, both production and distribution, therefore greatly benefiting the public. One item of the many important ones upon which our committee is now working, illustrates very forcefully the economic saving to California industry which we are endeavoring to bring about through this cooperative work. If we had 200 of our leading firms in California using a simplified invoice we would bring about a savings to business of our state of approximately three-quarters of a million dollars each year. When our committee has gained headway upon all its projects of simplified practice the savings to California will no doubt run to many millions of dollars each year.

Industries represented at a recent meeting of the committee included: Hardware, bank supplies, structural steel, lumber, masonry, foundries, reinforced steel, warehouse, wooden shipping containers, electrical and purchasing agents.

The work in each of the groups is set up in definite objectives to be carried out during the year and is to receive state wide adoption through the State Chamber of Commerce, according to the Chairman.

UNLIMITED COMPETITION IS OUTSTANDING EVIL OF INDUSTRY

Unrestrained competition is an evil of the building industry, according to C. Herrick Hammond of Chicago, president of the American Institute of Architects, who in a recent statement urged closer industrial relations between architects and contractors to eliminate waste, and to promote higher standards.

"The prevailing system in this country of selecting a contractor by competitive bidding often fails to accomplish the very result for which such competitions are held, namely, to secure the best contractor to do the work," Hammond declared.

"When competitive bids are taken on an important building, general contractors are selected to bid, and as far as the architect is concerned an effort is made to select men as near equal in standing and qualifications as possible.

"But other contractors, not invited, bring about all the pressure and influence that they can organize to secure an opportunity to bid, thereby increasing the number beyond the desires of the architect and beyond the number which would give each bidder a reasonable chance to win. Worst of all, they inject into the list men who may not be properly qualified to do the work if they do get the job.

"Unrestrained competition in the building industry is an evil. Many evils of the industry are the result of the unfair competition that comes about through the necessity of accepting bids from contractors of unequal standing and ability; this is a problem that must be solved by the contractors.

"I believe, and most architects, I am sure, would agree with me, that the ideal way to build a building is to select a contractor, who by his experience, his ability as a builder, his organization, his equipment, and his financial standing is best qualified.

The building operation is thus put in the hands of the architect and contractor, both working in a professional capacity for the best interest of the owner.

"In this case, the builder, the architect and the owner may all join in the effort to secure a standard of work, a speed of construction and an economy of cost which is rarely possible when the general contractor is secured by competitive bidding and the award made to the lowest bidder.

"At one time in Chicago a survey and estimate was made as to just how much competitive bidding cost the building industry. This estimate resulted in showing that an average three per cent was the cost of this system of securing estimates and selecting a general contractor. Last year the total cost of buildings erected in the Chicago district was over \$300,000,000, which multiplied by three per cent makes the enormous sum of approximately \$10,000,000 as the cost of estimating in Chicago for that year.

"As each contractor only secures a small proportion of the contracts on which he makes estimates, a great portion of this expense is wasted but at the same time is added to the overhead expense of each concern involved. This overhead expense is paid for by every owner in the city who erects a building. This lays a heavy tax on the owner.

"A large portion of this waste may be eliminated if an agreement can be reached between architects and contractors to use the quantity survey system in cities large enough to warrant the establishment of such survey bureaus, in accordance with a report and recommendation on quantity survey by the joint committee of the American Institute of Architects, the Associated General Contractors of America, and the American Engineering Council."

KILN-DRYING METHODS CUT SEASONING LOSSES

Improved kiln-drying methods for southern pine, worked out by the Forest Products Laboratory of the Forest Service, are recommended as a means of reducing seasoning losses and increasing forest yields, the U. S. Department of Agriculture announces. A survey of seasoning practice and degrade made by the Southern Pine Association and the Forest Products Laboratory showed that actual drying losses were much greater than had been supposed. In 1922, the annual loss from kiln-drying degrade suffered by the southern yellow pine industry approached \$10,000,000.

Since 1922 conditions have improved at a number of mills. Kilns have been modified, temperature-control and humidity-control apparatus has been installed, and the managers have learned how to keep drying losses under better control. In many mills, however, conditions are about as in 1922 and seasoning losses are still high.

Technical Bulletin No. 165-T, "The Kiln Drying of Southern Yellow Pine Lumber," has just been issued by the U. S. Department of Agriculture. This bulletin explains fundamental principles of kiln drying southern yellow pine and reports surveys and experiments, describes types of kilns for seasoning, details of kiln operation, methods of handling stock before and after kiln drying, and dry-kiln construction and maintenance. Copies may be had, free of charge, while the supply lasts, by writing to the U. S. Department of Agriculture, Washington, D. C.

KERN RIVER ROCK COMPANY TO OPERATE AT BAKERSFIELD

C. W. Hartman, general contractor of Bakersfield, announces plans to establish a new rock producing plant on the Kern river and the purchase of the plant formerly owned by Force, Curigan and McLeod, highway contractors, located on Cottonwood creek.

The new plant, near completion at the base of China grade on the Kern river, will have a capacity of 300 tons a day, Hartman announces. The plant is located on a 40-acre tract leased from the Kern County Land Company.

The plant on Cottonwood creek, established by Force, Curigan & McLeod for the construction of the new highway to the Kern canyons, is located 10 miles from Bakersfield on 160 acres leased from the Olesse estate.

The deposit of rock has been approved and accepted by the state, 68,000 tons being used on the one job just completed.

The rock to be produced through the new plant is of highest grade and compares with the northern rock in strength and quality, according to Hartman. At present virtually all the rock used in the Kern county section is brought from the Northern section of the state, Hartman says, which necessitates a high price due to freight charges.

The business will be incorporated under the name of Kern River Rock Company and will be operated independently of the general contracting business carried on by Hartman.

The various types of window casements manufactured by the Crittall Casement Window Company of Detroit, Michigan, are described in a very well-illustrated catalogue of 68 pages which is being circulated by the manufacturer. Illustrations include photographs of installations and hardware, with detailed sketches of the casements following the specifications,

CONSTRUCTION INDUSTRIES CREDIT BUREAU IS ESTABLISHED FOR. S. F.

As the result of an investigation by a special committee appointed by the San Francisco Association of Credit Men, this city is to have a Construction Industries Credit Bureau to operate as a unit of the association.

The committee was appointed to investigate the needs, if any, of the construction industry of San Francisco and vicinity for organization and co-operative regulation in their credit operations.

The committee held numerous meetings and went thoroughly into the problem and found an urgent need for credit co-operation in the fields investigated.

The purposes for which the Bureau was created may be cited as follows:

1. To protect and encourage the Construction Industries of San Francisco in relation to all matters of credit.

2. To establish and maintain uniformity in commercial usages, insofar as they relate to questions of credit.
3. To establish and maintain sound credit practices throughout the industry.

4. To avoid and adjust controversies or misunderstandings between members and others.

5. To foster allied group credit meetings and to solicit, compile, record and disseminate among its members information respecting the financial credit standing and re-

sponsibility of corporations, firms and individuals engaged in any commercial, industrial or financial enterprise.

The Bureau will be divided into different departments or divisions. The following general divisions will be immediately established:

- a. Financial.
- b. Manufacturing and Producing.
- c. Distribution.
- d. Contracting.

The general plan and set-up of the Construction Industries Credit Bureau has been modeled after the approved plan of the National Association of Credit Men, which is now being operated by many Associations affiliated with the National System. The major features of the service provided for will include credit interchange reports, construction reports and monthly credit period reports.

A manager for the bureau has been employed and the association anticipates that within the next sixty days the bureau will be in a position to give prompt and efficient service to those interested in the building construction fraternity.

Members of the special committee, upon whose recommendation the bureau was established, are F. H. Eichler, Chairman; R. H. Ohea, C. S. Tripler, C. C. Hill, R. E. Hackett, O. H. Peterson, D. I. Bosschart, ex-officio.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Roofs instead of streets are being used for the storage of automobiles in Seattle, Wash. The city authorities are encouraging this movement and expect to have many such roof garages within a few years. The idea might profitably be transferred to other cities where congestion is acute.

A contract for the delivery of 1,560,000 board feet of logs between April 1 and November 31, 1930, has been signed by a Japanese match stick firm with the Soviet Government. This contract, according to Assistant Trade Commissioner H. B. Titus, reporting to the Lumber Division of the Department of Commerce, calls for 10 per cent cash at the time of signing the contract, 20 per cent at the time of loading in Vladivostok, and the remaining 70 per cent upon delivery.

Directors of both the Bethlehem Steel Corporation and the Youngstown Sheet & Tube Company have approved the merger of the two companies into a new thousand million dollar steel corporation. It is announced by E. G. Grace, president of the Bethlehem. Grace said that the directors of the Bethlehem had authorized an agreement to acquire the Youngstown corporation on the basis of one and one-third shares of Bethlehem for each share of Youngstown common.

According to a report submitted to the city trustees, the Roseville, Calif., electric lighting department brought in \$31,226.50 during the fiscal year ending June 30, 1929, during which time \$13,500 was transferred to other funds from the electric receipts. A larger sum has been transferred to date this year, \$33,500 having been loaned to other funds. The net earnings from the electric light department, the report showed, were \$32,060.

A site for the new state hospital for mental cases will be selected within the next few weeks, according to Earl Jensen, state director of institutions. The cost of the proposed building is more than \$3,500,000. The special committee in charge of choosing a suitable 1000-acre location in Southern California is composed of B. B. Meek, director of public works; Lyman King, state director of state finances; Mrs. Carrie Bryant and W. P. Story.

George Perry Griffith, Jr., vice-president and general manager of the Griffith Company, paving contractor, died suddenly March 10 at his home in Beverly Hills, aged 33 years. Heart disease was the cause. Mr. Griffith was born at Scranton, Pa., and after coming to California attended the University of California at Berkeley. He entered business with his father, the late George P. Griffith, who was identified for many years with the Fairchild-Gilmore-Wilton Company. When Mr. Griffith, Sr., succeeded to control of that company he changed the name to the Griffith Company. The son became vice-president and general manager of the company at his father's death two years ago.

Forty-one elevators costing \$1,000,000 will be installed in the new Starr Building in Cincinnati by the Westinghouse Elevator Company, according to William H. Patterson, central district manager. The building will be 45 stories in height and will cost \$30,000,000. The elevator installation is unusual in that the building will contain office space, a 750-room hotel, a 650-car parking garage and a department store. Six express elevators comparing favorably with the fastest in the world will be installed with a speed of 900 feet a minute. All of the passenger elevators will be of the latest design with automatic leveling and safety devices. The garage will have three car elevators of 10,000 pounds capacity and a freight elevator capable of lifting 25,000 pounds.

American portland cement mills show practically no improvement in the ratio of operations to capacity as indicated by the figures for the 12 months' period ending February 28. According to statistics released by the Bureau of Mines of the Department of Commerce the ratio of operations to capacity for the last twelve months was 65.6 per cent. The ratio percentage for 12 months' period ending February 28, 1929, was 71.0 per cent. The ratio percentage was at a maximum of 71.1 per cent for the 12 months' period ending April 30, 1929, and compares with the ratio percentage of 65.6 per cent for the 12 months' period ending February 28, 1930. During the month 8,162,000 barrels were produced, 7,012,000 barrels were shipped, and stocks on hand at the end of the month were 23,231,000. Production in February, 1930, was 4.2 per cent less and shipments 23.7 per cent more than February, 1929. Stocks at the mills were 5.5 per cent less than a year ago.

The special session of the Utah state legislature has voted down a proposal of Governor George H. Dern to make it lawful for the state authorities to use inmate labor in the construction of state buildings. There was a bitter contest over the bill that had been introduced at the suggestion of the governor. The plan was opposed by the labor unions of the state, who have several friends in the legislature. Governor Dern had suggested the use of inmate labor in the construction of a new building at the State Mental Hospital in Provo, to cost a large sum.

Under the leadership of Robert E. Dannenberg, station agent for the Southern Pacific Railway at Felton, Santa Cruz County, fourteen children have established a forestry project that is profitable in dollars and cents as well as in educational values. In spite of the fact that Dannenberg has a 12-hour job he finds time to add to the beauty of his home by planting more shade and fruit trees and planting more flowers and shrubs. Before starting the forestry club, Dannenberg had under his guidance an agricultural club for Felton boys and girls.

What are the salaries of engineers in the machinery industries? What positions do engineers hold in these industries? What are the salary expectations at a given age? There are some of the questions which the Machine Shop Practice Division of The American Society of Mechanical Engineers, asked itself. In order to find answers to them, a well-known engineering method was followed—the Division ascertained the facts. The results are reported in the March issue of Mechanical Engineering. The salaries run all the way from \$1200 to \$50,000, and the jobs from that of apprentice to that of chairman of a board of directors. An interesting feature of the returns is that the average salaries by ages increase with age up to 70 years, after which there is a slight drooping off.

Samuel Merrill, 77, founder of the Morrison-Merrill Lumber Co., former Mayor of Cheyenne, Wyo., and Wyoming State Legislator, died in a Portland, Ore., hospital March 14 following a major operation. Merrill, who formerly resided at Salt Lake City, where the Morrison-Merrill Company maintained headquarters, lived in retirement in Spokane. He was well known on the Pacific Coast for his lumber activities.

San Francisco marine authorities are strongly in favor of the proposed extension of the harbor pierhead lines from 800 to 1200 feet. In support of the efforts of the State Board of Harbor Commissioners to obtain approval of the Board of Army Engineers for the project, the directors of the Junior Chamber of Commerce sent forward a resolution of recommendation. The extension planned would nearly double the docking space on the San Francisco waterfront and provide continuing construction probably totaling millions of dollars, according to the argument of the Junior chamber.

February wholesale prices of standard plumbing fixtures for a six-room house, as collected by the U. S. Department of Commerce from reports of twelve representative manufacturers and wholesalers, were \$102.83 as compared with \$100.55 in January and \$98.41 in February, 1929.

About 1000 men are expected to be given work when the Madera Sugar Pine Lumber Company starts mills in the mountains near Madera during the next few weeks and cuts approximately 50,000,000 feet of timber. About 700 men are to be used in the mountain work and 300 at the Madera plant. About \$1,750,000 will be expended during the year for labor and supplies.

Construction is being rushed on the \$3,000,000 plant of the Pickering Lumber Company at Alturas. W. C. Garrett, resident manager for the Pickering interests, cannot set a definite date upon which the big mill will start operations.

The California Art Tile Corporation reported a net of \$10,529 for the first quarter of the fiscal year ended Dec. 31, 1929. The company's year ends September 30. Dividends of \$9994 were paid from earnings in the first quarter and the balance was added to surplus, which totaled \$23,826 as of December 31.

At the annual meeting of stockholders of the Calaveras Cement Company to be held in San Francisco on April 2, five directors will be chosen to succeed those whose terms expire, it is announced by W. Schnauffer, Jr., secretary of the company.

ALONG THE LINE

W. E. Wentworth has been named an assistant engineer in connection with the Gordon Valley water project of the city of Vallejo. Wentworth was formerly connected with the Spring Valley Water Company and the Western Pipe and Steel Co.

S. C. Smithwick, Seattle engineer, has joined the staff of the Portland Cement Association and will have charge of the Spokane district which comprises the Inland Empire and northern Idaho. For the past ten years, Smithwick has been associated with the city engineer's office in Seattle. Frank Barrett is district manager for the association at Seattle.

Salary increases for nineteen members of his staff are recommended by M. M. O'Shaughnessy, San Francisco city engineer, in a communication sent to the Board of Public Works. The increases would amount to \$820 a year. Among the proposals were a raise for Assistant City Engineer C. E. Healy from \$550 to \$650 a month. The Works Board took the matter under advisement.

Fred J. Klaus of Berkeley has been named city engineer of Sacramento to succeed Bayliss Clark, resigned. The appointment was made by James S. Dean, Sacramento architect, who was recently appointed city manager. The new city engineer will assume office April 1 at a salary of \$6000 a year. Mr. Klaus was recently associated with the East Bay Water Company and was in charge of designing and construction of the San Pablo and Upper San Leandro water projects.

C. C. Jarman, active in the Fresno Labor Council and the Carpenters' Union of that city for several years, has been appointed building inspector by the Fresno City Council. Jarman fills the vacancy caused by the death of James Anton. Eight candidates took the examination for the position.

Richard Irvine and P. Ebbets, architects formerly operating under the firm name of Irvine & Ebbets, have dissolved partnership. Mr. Irvine will continue the offices in the Call Building. Mr. Ebbets will open new offices in the Hobart Building.

W. R. Yelland, Oakland architect, will shortly leave for a cruise around the world. He will be accompanied by Mrs. Yelland. The tour, to extend over a period of four months, will take the travelers to Japan, Singapore, India ports and various cities of interest in Europe.

Ninth annual meeting of the Pacific Coast Building Officials' Conference will be held at Long Beach, Calif., September 29 to October 4. Headquarters will be maintained at the Virginia Hotel.

Reno, Nevada, city council expects to spend \$719,947 on municipal maintenance this year, including \$298,299 for a sewage disposal plant. It is planned to issue bonds to finance the sewage project.

HERE—THERE—
EVERYWHERE

At a meeting in Palo Alto last Tuesday night officials of cities between San Francisco and San Jose, a resolution was endorsed in principle to place an initiative enabling act on the ballot in November to authorize the legislature to issue bonds to provide state aid for cities and counties in abolishing grade crossings. The measure will be taken up with southern California communities to secure their support in the passage of the bill.

The building trades strike, which caused virtual cessation of work on construction projects in Kansas City ended March 11. All of the 3000 union craftsmen returned to work under an agreement providing the establishment of the demanded five-day week and a daily wage increase effective next July 1 and an identical increase six months later.

San Mateo city council has adopted an ordinance (No. 333) providing for the issuance of permits in connection with electrical installations and covering regulation of electrical appliances and equipment.

County officials of Los Angeles are considering the adoption of an ordinance to compel tourists to make a full stop at all grade crossings within the county limits. The proposal was made by Supervisor Shaw after San Gabriel authorities asked that some action be taken to protect motorists at grade crossings in that city. The proposed ordinance has been referred to the County Counsel for an opinion on the legal points involved.

J. D. Tennant, vice-president of the Long-Bell Lumber Co., in charge of western operations, was re-elected president of the West Coast Lumbermen's Association. This will make his third year at the head of the organization. He was president of the West Coast Trade Extension Bureau for three years. Col. W. B. Greeley continues as secretary-manager.

Oakland city council has passed an ordinance to print making certain technical changes in a number of existing municipal ordinances, governing changes for installing gas appliances. The principal item is where coal or oil furnaces are changed to the gas-burning type.

At the annual banquet-meeting of the Fresno Builders' Exchange held last Monday evening the following were elected directors to serve for the ensuing year: Roy Martin, D. E. Moore, M. W. Hancock, A. M. Goeddel, C. E. McCallin, M. E. Summers, C. M. Loper, A. G. Rohr, T. H. Curry, O. H. Carter and J. G. Teeple.

Julius J. Jacobs will operate from 1338 Mission Street, San Francisco, under the firm name of California Plumbing Supply Co.

John D. Finnigan, newly appointed chief of the City Plumbing Division of Portland, Ore., seeks revision of the municipal plumbing code to bring it up to date. Journeymen and wholesalers favor the revision and declare there is need for revision of the fixtures and materials features of the measure and also need to simplify the code so it can be more easily understood.

TRADE LITERATURE

Wrought Iron Record is the title of a new trade magazine being published by the Wrought Iron Research Association of Pittsburgh, Pa.

"The value of any paint can be determined only by experience. An efficient paint cannot be invented and compounded merely by theoretical reasoning. Paint making, as well as painting, is an art and not a science," says A. H. Sabin in "Structural Metal Painting," a 75-page pocket-size booklet issued by the National Lead Co., New York City. The principal contents of the booklet consist of an analysis of various corrosion factors, discussions of such technical considerations as pigments and oil proportions, descriptions of types of paint and of methods of estimating areas and costs, of mixing, and of writing specifications.

A non-technical presentation of the methods to predetermine the daylighting and airtightness of industrial buildings in advance of construction is given in two 24-page booklets, "Industrial Daylighting" and "Industrial Airtightness," recently published by the Detroit Steel Products Company of Detroit, Michigan. The booklets are sure to prove valuable to architects and designers of the various types of industrial buildings, as they are the results of seven years' experimentation on the part of Detroit Steel Products Company research engineers working with the Department of Engineering Research at the University of Michigan.

A 16-page catalogue showing the complete line of Advance Terrazzo Surfacing Machines has been published by the Advance Machine Company of Minneapolis, Minnesota. Illustrations and descriptions, with complete specifications of the various types of floor surfacers, are presented.

A 12-page catalogue showing the De Walt Wonder Worker with its tools and attachments has recently been issued by the De Walt Products Corporation of Leola, Pennsylvania. The various uses of the "Wonder Worker" with proper attachments, such as cutters and protectors, are fully illustrated. The last two pages of the booklet are devoted to machinery and attachments manufactured by the De Walt Products Corporation.

TRADE NOTES

Nottingham Heating and Ventilating Co., with main offices at 1523 Market St., Oakland, will establish a permanent branch office in San Jose. The San Jose branch will operate under the name of San Jose Heating and Ventilating Company. Headquarters will be maintained at the San Jose Builders' Exchange.

Construction has been started on a new plant for the Old Mission Tile Company at San Pablo, Contra Costa County. The plant will utilize clay found in the vicinity. The company will be managed and supervised by F. A. Mero of the Master Craft Tile Co. of Richmond.

ROAD CLOSED OR OPEN IS ALWAYS A HIGHWAY

A decision of interest to highway contractors was handed down by the district court of appeals in the case of State Treasurer Johnson and State Controller Riley vs. George H. Oswald and John P. Oswald, partners, operating as Oswald Bros. Paying Co.

A refund of taxes paid on gasoline used to operate tractors on a section of state highway under construction was involved. It was contended by the contractors that the road was not a highway within the meaning of the state motor vehicle act because it was under construction and not open to traffic; hence they should not pay the tax on gasoline used to operate construction machinery or equipment thereon.

The contractors' contention was upheld by the superior court, but its ruling was reversed by the court of appeals, which held that the tractor was a motor vehicle and that a highway, whether open or closed to traffic, was a highway within the meaning of the motor vehicle act.

FRESNO MATERIAL DEALERS ELECT OFFICERS

E. L. Smith and E. M. Einstein were elected directors of the Fresno Building Material Dealers' Association at the annual banquet-meeting of that organization at the Hotel Fresno, last Monday. They succeeded L. L. Walker and K. T. Craycroft.

Other directors chosen were H. L. Adler, E. L. Lord and C. M. Wilson. The annual reports of President Lord, Secretary L. J. Allen and Frank I. Robertson, assistant secretary, were presented. The directors will meet shortly to elect officers.

SOUTH AFRICAN PORT DRAWS HEAVILY ON U. S. FOR LUMBER

United States stood third among those countries exporting lumber to the port of Durban, South Africa in 1929, according to a report to the lumber division of the Department of Commerce from Consul Gaston Smith.

Total lumber imports into Durban were 57,812 short tons. North European imports were highest with 39,618 short tons, Archangel second with 3865 short tons, and the United States third with 3779 short tons.

While considerable American lumber is consumed in the city proper, most of the imports were destined for the hinterland, which is a rich agricultural country. There are also important mining districts, the mines in which use American Douglas fir and Southern pine timbers.

LOS ANGELES VOTES APRIL 29 ON \$38,800,000 WATER BONDS

Development of the water resources of Los Angeles, by the issuance of bonds to the amount of \$38,800,000 will be voted upon at a special election to be held April 29, according to a decision of the city council. Proceeds of the bond issue would be used for the following purposes: Purchase of Mono and Owens river watershed lands and water rights, including Mono basin, Long Valley, Round Valley and Owens Valley town and ranch properties, \$17,181,000; water development expense, including diversion from Mono and necessary added facilities for pumping in Owens Valley, \$10,390,000; enlargement of the present aqueduct, \$600,000; additional local storage capacity, \$7,500,000; new distribution facilities, \$3,219,000.

SOUTH AFRICA TO TREAT ITS OWN RAILROAD TIES

Further supplies of domestically-manufactured ties will soon be available for South African railroads, through the creation of a new manufacturing and treating plant at George, Cape Province, says a report from DuVoyne G. Clark, Assistant Trade Commissioner, Johannesburg, South Africa, to the Lumber Division of the Department of Commerce.

Many carloads of ties are loaded and shipped from George each year, the report states, and the expansion of this trade has been the stimulus for the erection of the new plant.

The timber to be used in the plant will be drawn from what is known as the Knysna district of the Cape Province. The woods to be used are known as the real yellow wood (Podocarpus Thunbergii) and the common yellow-wood (Podocarpus elongata).

The -w plant will produce from 200,000 to 300,000 ties annually and will supply ties for the new railroad lines now under construction. South Africa is not an important market for American ties.

JAPANESE EXPORTS OF BOX SHOOKS, LUMBER, INCREASE

Exports of box shooks and lumber from the Nagoya, Japan district in the last quarter of 1929, which amounted in value to \$605,219, were slightly greater than for the corresponding period of 1928, Consul A. R. Preston reports to the Lumber Division of the Department of Commerce.

The exports of these products to British India increased from \$271,660 in 1928 to \$308,429 in 1929. Exports to Hongkong and the Straits Settlements fell off perceptibly. Box shooks and lumber exports from the Nagoya District to the Dutch East Indies increased \$23,000 in 1929 over the same period for 1928.

Nagoya, it is pointed out, is the center of the box-making industry in Japan. Box exporters of the district are organized into a central association, the members of which work in close co-operation. This organization maintains a buying department which purchases co-operatively supplies needed by the trade.

The principal wood used by the box shook trade in this district is Hondo pine which is grown locally.

WOOD PRODUCTS IMPORT FROM B. C. INCREASE IN FEBRUARY OVER 1929

Exporters of wood products to the United States during February, 1930, from the Province of British Columbia, Canada, showed a considerable increase in lumber, shingles, and poles, and a decrease in logs, as compared with the same month in 1929, according to a wire from Consul General Ely E. Palmer, Vancouver, B. C., to the lumber division of the Department of Commerce.

Lumber imports from this province during February 1930 were 47,511,000 board feet as compared with 29,660,000 board feet in 1929. Shingle exports during February 1930 were 108,665,000 as compared with 91,830,000 in 1929. Poles to the amount of 548,160,000 linear feet were imported in 1930 as compared with 391,006,000 linear feet in 1929. Logs fell off from 11,338,000 board feet in 1929 to 2,564,000 in 1930.

BUILDING-LOAN ASSOCIATIONS REPORT ADVANCES

The first quarter of 1930 will show tremendous advances made by building and loan associations, according to reports received from various sections of the State by J. M. Abbott, president, California Building - Loan League. As these funds are largely loaned on homes, the ample money now available for financing should prove a stimulating influence on real estate and make conditions generally more prosperous.

Resources of these Institutions increased 325 per cent during the past five years and now total \$477,266,115, according to Mr. Abbott. There are 247 associations and 60 branches operating in the State, compared with 147 in 1924. During the five year period, the number of investors increased from 116,000 to 438,000.

A questionnaire of information on loans has just been tabulated by Building and Loan Commissioner Chas. A. Whitmore. The returns reveal that on September 30th, last, there were in force in this state 114,290 definite contract loans aggregating \$335,000,000, and 10,888 flat loans amounting to \$68,800,000. The flat loans were 17% of the grand total of loans in force which was \$403,800,000.

The returns showed that 113,185 California homes were being financed through building and loan associations, the aggregate amounting to \$2315,000,000. These home loans were on the books at an average of \$2500 each.

California associations have out \$194 loans on apartments, aggregating \$58,206,000, or an average loan of \$18,000, and 3381 loans on business property aggregating \$39,500,000, or an average of \$12,000.

Seventy per cent of these that answered the Commissioner's questionnaire favor the following schedule of interest rates; no interest unless an investment is allowed to remain within an association three months and then interest as follows: After three months, 4%; after six months, 5%; after one year, 6%.

BRIDGE DESIGN COMPETITION IS ANNOUNCED

With the purpose of encouraging more beautiful designs of steel bridges from an engineering point of view, the American Institute of Steel Construction offers three cash prizes of \$500, \$250 and \$100 for the designs placed first, second and third in a competition open to bonafide registered students of structural engineering in recognized technical schools of the United States and Canada.

The jury of Award will consist of three consulting bridge engineers of national reputation and two nationally-known architects.

The competition will consist of preliminary designs prepared within a period of nine hours under the supervision of a professor or instructor at the competitor's school. From these preliminary designs the Jury will select ten drawings for final development. These final drawings must be delivered to the Institute in ample time to be in the hands of the Jury for final judgment on the date indicated.

The subject of the design is a steel arch bridge.

Further information regarding the competition is available from the Executive Offices of the American Institute of Steel Construction, 200 Madison Ave., New York City.

DATA ON REAL ESTATE LOAN POLICIES OF LIFE INS. FIRMS

The third annual outline of the real estate loan policies of 103 leading life insurance companies in the United States and Canada has been issued by the National Association of Real Estate Boards and is to be sent shortly to the members of its Brokers Division and its Mortgage and Finance Division. These 103 reports are statements of the presidents of the life insurance companies represented.

The subject included in the outline of the insurance companies' loan preferences are: type of property on which loans are made, length of term of the loans, amortization requirements, prepayment privileges, the practice statements companies follow in making appraisals of property, the territory in which loans are made, the maximum amount loaned and the maximum percentage of the value of the property loaned.

Single Unit Dwelling Popular With Insurance Companies

Of the 103 companies reporting, 8 cover with their loans all the usual types of properties. Where loans are made only on specific types of property, the single unit family dwelling takes precedence over every other kind of real estate; 102 of the companies are willing to loan on family homes.

Farm lands are listed among the loan preferences of 63 companies. Six companies loaning on farm lands have in certain details, changed their policies in granting farm lands loans. Two of the companies confine their loans to farm lands only.

Next to the family home in popularity with the life insurance companies for loans is the commercial building; 33 companies loan on commercial buildings. Duplex dwellings are a close second to commercial buildings, with 32 companies favoring the duplex dwelling as security for a loan. Next in favor come the two-apartment building on which 72 companies loan. Combination apartment and store buildings are taken as loan securities by 59 companies. Large apartment buildings are loaned on by 52 companies. Industrial property is now included in the types of property on which 15 of the companies make loans.

Certain types of property not standard for large insurance company loans are included in various reports. Five companies state their willingness to loan on churches, and the following types of properties have a place in loan preferences in at least one report in the data: church property, ranches and plantations, hospitals,

country clubs, unimproved city property and Masonic temples and lodge property.

Sometimes Loan for 20 Years

Length of time of loans varies greatly with the companies. The shortest period is three years, which is not uncommon for loans on single unit dwellings, while the longest periods reported were 20-year loans which are given by two companies on farms and by one company on Masonic temples.

The size of the loans, whether calculated on the percentage of the value of the property given as security or on a maximum sum basis, likewise varies greatly. In general companies are willing to lend 50% of the assessed value of the property, but in some instances they report loans given for only 30% of the assessed value, while in two reports the companies state their willingness to lend as high as 66 2/3% of the value of a single unit dwelling, and one company follows the policy of lending 66 2/3% of the assessed value in the case of loans on commercial buildings. Figured in terms of maximum sums ready to be loaned, few companies loan sums smaller than around \$3,000 to \$5,000; the largest sums reported by companies definitely limiting the amount of money to be loaned were listed by two companies loaning on commercial buildings, both of whom will lend \$500,000 on this type of property. Many reports do not contain definite figures as to the maximum amount loaned.

Appraisal Policies Vary

By far the majority for the companies use both their own and independent appraisers in deciding on the valuation of property on which they are asked to loan; 67 companies reported such a plan; 31 companies use their own appraisers only, and 5 companies use only independent appraisers. One company makes the following statement in answer to the question on methods of ascertaining property values: "On dwelling loans we require appraisal by realty boards associated with the National Association of Real Estate Boards."

Pre-payment privileges are the rule with a great majority of the companies. Only six companies refuse to allow pre-payment privileges under any conditions.

In general no very radical changes are seen in the current real estate loan policies of the life insurance companies from the policies reported a year ago.

the past few days has shown considerable improvement. Funds have been put out recently from New York and its suburbs on a conservative basis. The situation in the Philadelphia district is improving.

"It is with special interest that we are watching building and loan associations," says Mr. Turck, "because they play such a large part in home construction and renovating finance. The increasing supply of funds flowing into these channels at this time, particularly in the Eastern district, is a most interesting reflection. The Railroad Co-operative Building and Loan Association, with assets of \$35,000,000 has just made seven building loans which are the first group they have made since October 23rd.

"The general tendency seems to be to pay courteous attention to applications which represent real value and for loans involving betterments and renovation to property. Careful examination of data would indicate that the better classes of people seeking mortgage loans are active at this time and will benefit by filing applications so that their cases may receive consideration as surplus funds come into the mortgage market."

It was the sense of industrialists meeting with President Hoover after the stock market recession, as well as of the National Business Survey Conference, that a speeding up of construction, repairs, replacements, etc., would serve as one of the most important stabilizing influences in the business situation. The Building Survey Conference was organized in January to carry out this purpose. It brings together for the first time all of the units in the building and construction field.

The work of the conference is under the general direction of a representative executive committee. Particular phases of it are dealt with by special committees among which are the following:

Building & Loan Committee, Ernest A. Hale (chairman), president, United States League of Building & Loan Associations.

Statistical Committee, Thomas F. Holden (chairman) vice-president in charge of statistics, F. W. Dodge Co.

Trade Publications Committee, F. W. Feiker (chairman), managing director, Associated Business Papers, Inc.

Special Home Financial Committee, M. E. Nelson (chairman) president, Long-Well Lumber Company, Inc. Architects' Committee, E. J. Russell (chairman), president, American Institute of Architects.

Radio Committee, Frank A. Arnold (chairman) National Broadcasting Co.

Real Estate Committee, (Leonard P. Reaume (chairman) president, National Association of Real Estate Boards.

The following appointments have been made to the Executive Committee: R. B. White, representing important lumber interests; A. C. Pearson, chairman of the board, United Business Publishers; Wm. A. Starrett, president of Starrett Bros., Inc.; Geo. A. Wilson of Breed, Abbott & Morgan, New York City.

CREDIT CONDITIONS PAVING WAY FOR INCREASED CONSTRUCTION

Indications that credit is resuming its flow in normal channels in larger volume, paving the way for increased activity in the construction field, are disclosed in a survey made by the National Building Survey Conference under the direction of the chairman, Fenton B. Turck, vice-president of the American Radiator Company, according to word from Washington.

The survey, in which banks, building and loan associations, insurance and mortgage companies cooperated, shows that building mortgage conditions on the West Coast are now favorable, money being available in sufficient quantity for prudent residential, renovating and business building loans. The rate varies from 5 1/2 to 7% on a basis of 60% valuation.

In the districts surrounding Cin-

cinnati, Cleveland, St. Louis and St. Paul, there has been a particular pick-up during the past week in the mortgage market, with many loans being favorably negotiated at the present time.

There is a slight improvement in the situation in New England and a considerable optimistic attitude has developed in that section regarding the immediate future of the mortgage money market. No favorable change has been noted in the situation in the districts surrounding Chicago, Detroit, Pittsburgh and Indianapolis. This also applies to certain spotty conditions in the South, including Atlanta, where sufficient funds have not been received to enable them to enter the mortgage market in a noticeable manner. The Baltimore district in

The Crescent City Investment Company, suing the Durite Asphalt Company, demands \$150,000 for alleged failure to carry out a contract for street work in an extension development near Crescent City, and an additional \$100,000 for alleged loss in value of adjoining property. The complaint alleges the paving contract was entered into last July and that the defendants were to arrange for the financing of Del Norte County bonds necessary for the work. This was not done, it is alleged, and an effort was made in December to cancel the agreement.

REDUCED TRADING CHARACTERIZES AUSTRALIAN LUMBER MARKETS

Generally reduced trading activities characterized the lumber market of New South Wales during 1929, although conditions in Queensland were comparatively better, Trade Commissioner Charles F. Baldwin of Sydney, reports to the Lumber Division of the U. S. Department of Commerce.

In New South Wales, Mr. Baldwin reports, imports were generally greater than in 1928, and he stresses the fact that there was an increased demand for American lumber in Queensland.

Financial stringency, and the resulting reduction in speculative building, were the causes ascribed for the falling off in the demand for lumber.

The competitive position of American lumber was little changed, although tariff increases near the end of the year are expected to restrict materially the trade in American lines, particularly plywood and box shooks. At the present time the trade is fearful of further tariff increases on imported softwoods and it is rumored that higher duties will be declared in March.

Agitation in Queensland in favor of stimulating the demand for domestic softwoods resulted in an announcement by the Queensland Railways Department that in the future sawn timber not produced within the Commonwealth should be charged "A" class rates (those applying to carload lots) plus 25 per cent, subject to minimum charges specified in the by-laws; and also that portable wooden houses, including ready-to-erect houses, and the whole material for a house, such as bath, tank, etc., com-

prising any timber not produced within the Commonwealth, should be charged "A" class rates, plus 50 per cent and be subject to the minimum charges provided for in the by-laws.

The lumber trade for the early part of January, was very quiet. Trade Commissioner Baldwin reports, although there was some resumption of demand following the holiday season. It is the general opinion that the import trade for 1930 will be considerably lower than in 1929.

STATE-OWNED CEMENT PLANT PROPOSED FOR W. VIRGINIA

State-owned cement plants are suggested by the State Auditor, Edgar C. Lawson, in a letter to the West Virginia State Board of Control, following a charge by the board's secretary, Bonner H. Hill, that the Portland Cement Association has increased the price of cement 25 cents a bag on the eve of letting a contract for the construction of the State Capitol's main wing.

Lawson said that the establishment of plants in four or five counties where vast deposits of limestone are available would make the venture "highly economical and plausible," and would provide an outlet for congested conditions at the State prison at Moundsville by using convicts for the necessary labor.

"It is estimated," Lawson said in his letter to the board of control, "that 50,000 bags of cement will be used in the new capitol, and between 100,000 and 150,000 will be used this year by the State road commission in the construction of our public highways. Based on the 25 cent per bag increase alone, this would mean a saving of at least \$50,000, and with prison labor employed it is my opinion that be-

tween \$50,000 and \$75,000 could be saved the taxpayers, inasmuch as the cost of production would be substantially curtailed.

"I am fully aware that the cry will go up that West Virginia should not enter into trade competition, but I believe the facts in this instance justify the ends. Whenever any corporation, whether it be a cement manufacturing one or otherwise, enjoys what practically amounts to a monopoly and apparently knowing that the State would require large supplies of its products, orders a substantial increase in the price of its product over night I believe the State is justified in using whatever means is at its disposal to cope with the situation," Lawson stated.

HYDRO-ELECTRIC PROJECT PLANNED IN NORTHWEST

Plans for a \$6,000,000 hydro-electric power development have been revealed by an application filed recently with the Washington state hydraulics office in Olympia for appropriation of 350 sec.-ft. of water from the Sauk River Skagit County, and for use of Sauk Lake as a reservoir, by the Pacific Development Company, of Olympia. Lars Langloie, Olympia hydraulics engineer, is president of the company and R. K. Tiffany, former state hydraulics supervisor, is consulting engineer. A concrete dam 220 ft. high and 1200 ft. long is to impound 38,000 acre-ft. of water in Sauk Lake reservoir, while a fall of 185 ft. is to be used in developing 73,580 theoretical horsepower of electric energy.

Sugarmen Iron & Metal Co., Ltd. of San Francisco has been incorporated. Directors are: I. E. Sugarmen, S. Fox and Louis H. Brownstone.

RATE OF WAGES PAID IN PRINCIPAL BUILDING TRADES

As of Date—January 1, 1930

City	Electrical		Structural		Painters	Plasterers	Plumbers	Steamfitters
	Bricklayers	Carpenters W'krs	Iron Workers	Iron Workers				
Atlanta	1.35	.70	.90—1.10	1.25	.75	1.25	1.25	1.25
Baltimore	1.75	1.10	1.4375	1.50	1.00	1.75	1.375	1.375
Boston	1.50	1.375	1.50	1.375	1.375	1.625	1.50	1.50
Buffalo	1.50	1.25	1.375	1.375	1.185	1.50	1.375	1.375
Chicago	1.70	1.625	1.70	1.625	1.625	1.70	1.625	1.70
Cincinnati	1.625	1.40	1.40	1.40	1.375	1.50	1.40	1.40
Cleveland	1.625	1.375	1.50	1.50	1.3125	1.625	1.50	1.50
Dayton	1.625	1.25	1.50	1.35	1.25	1.5625	1.375	1.375
Denver	1.625	1.25	1.375	1.25	1.25	1.50	1.375	1.375
Des Moines	1.50	1.125	1.375	1.25	1.125	1.50	1.50	1.60
Duluth	1.25	.875—95	.95	1.00	.875—95	1.25	1.125	1.125
Elizabeth	1.9375	1.40	1.65	—	1.375	1.9375	1.50	1.50
Grand Rapids	1.50	.85—100	.75—1.00	1.25	.75—1.00	1.50	.75—1.00	1.135
Hartford	1.375	1.25	1.00—1.375	1.00—1.25	.85—1.25	1.25—1.50	1.50—1.25	1.00—1.25
Indianapolis	1.625	1.225	1.50	1.45	1.225	1.625	1.50	1.50
Jersey City	1.925	1.65	1.8125	2.00	1.65	1.925	1.75	1.75
Kansas City	1.50	1.25	1.25	1.25	1.25	1.50	1.375	1.375
Los Angeles	1.375	.875	1.125	1.125	1.00	—	1.375	1.375
Louisville	1.50	1.125	1.315	1.25	1.25	1.625	1.375	1.375
Lynn, Mass.	1.50	1.25	1.375	—	1.25	1.50	1.375	1.375
Milwaukee	1.40	1.10	1.25	1.20	1.125	1.50	1.1875	1.0625
Minneapolis	1.30	.90	.90—1.125	1.00—1.25	.90—1.00	1.30—1.375	1.125—1.25	1.125—1.25
New Haven	1.50	.90—1.25	.80—1.00	1.00—1.50	.80—1.00	1.50	1.125	1.125
New York	1.925	1.65	1.65	1.925	1.65	1.925	1.65	1.65
Omaha	1.25	1.00	1.25	1.25	1.00	1.375	1.125	1.125
Pittsburgh	1.75	1.50	1.5625	1.50	1.50	1.6625	1.5625	1.6625
Portland, Maine	1.40	.90	1.125	1.00	.85	1.50	1.125	1.125
Portland, Ore.	1.50	1.125	1.25	1.25	1.10	1.50	1.375	1.375
Rochester	1.4375	1.15	1.3125	1.25	1.15	1.4325	1.375	1.375
Sacramento	1.50	1.125	1.25	1.375	1.125	1.50	1.3125	1.3125
St. Louis	1.75	1.50	1.65	1.625	1.4325	1.75	1.625	1.625
St. Paul	1.25	.875—95	.95	1.00	.875—95	1.25	1.125	1.125
San Francisco	1.375	1.125	1.125	1.375	1.125	1.375	1.25	1.25
Seattle	1.50	1.125	1.375	1.25	1.125	1.50	1.375	1.375
Spokane	1.50	1.125	—	1.25	1.125	1.50	1.25	1.25
Syracuse	1.50	1.20	1.45	1.375	1.15	1.50	1.45	1.45
Toledo	1.625	.85—1.00	.85—1.25	.80—1.25	.70—1.00	1.625	.90—1.25	1.30
Washington	1.625	1.25	1.375	1.65	1.1875	1.625	1.50	1.50
Youngstown	1.625	1.375	1.50	1.50	1.375	1.625	1.50	1.50

Compiled by E. M. Craig—Builders' Assn. of Chicago

Building News Section

APARTMENTS

Plans Being Prepared.

APARTMENTS Cost, \$73,000
ALAMEDA, Alameda Co., Calif. NW
 Santa Clara Ave. and Caroline St.
 Three-story and basement frame and
 stucco apartments (six 2-room, six
 3-room and six 4-room apts.; all
 modern conveniences).
 Owner—Blaine and Co., 369 Pine St.,
 San Francisco.
 Architect—Oscar Thayer, 80 Lopez
 Ave., San Francisco.

Plans Being Prepared.

APARTMENTS Cost, \$300,000
OAKLAND, Alameda Co., Cal. Ca-
 pelle and Excelsior Sts.
 Eight-story class A reinforced con-
 crete apts. (60 2-3-4- and 5-room
 apts.)
 Owner—Leonard Thomas, et al, 731
 E 10th St., Oakland.

Plans by Leonard Thomas, 731 E 10th
 St., Oakland.
 Bids will not be called for until
 about July 1st.

CHICO, Butte Co., Cal.—Fred Nalfy,
 manager of the Senator Theatre,
 plans to spend \$10,000 in remodeling
 the second floor of that structure for
 apartments. Steam heating and elec-
 trical refrigerating systems will be
 included in the work.

Segregated Bids Wanted.

APARTMENTS Cost, \$330,000
LOS ANGELES, Cal. SE Hobart
 Blvd. and Sixth St.
 Nine-story, basement and sub-base-
 ment Class A reinforced concrete
 apartments (63x150 ft.)
 Owner—A. H. Kornbloom, Los An-
 geles.
 Architect—Arthur I. Rouda, 418 Liss-
 ener Bldg., Los Angeles.

Plans Being Prepared.

STORES & OFFICES Cost, \$175,000
EUREKA, Humboldt Co., Cal. SW 4th
 and F Sts.
 Four-story and basement fireproof (8)
 stores; (16) offices, and 12 single
 rooms & 32 apartments, L-shape,
 60-ft. on F St. and 144-ft. on 4th.
 Owner—Zanone Apartments.
 Architect—Newton Ackerman, 102 W
 4th St., Eureka.

Architect Taking General and Sub-
 Figures.

APARTMENTS Cost, \$175,000
SAN FRANCISCO, NE Buena Vista
 Ave. and Waller St.
 Six-story Class C basement and sub-
 basement apartments (36 2 and 3
 room apts. and one 10-room apt.)
 Owner—Sunco Investment Co.
 Architect—Albert H. Larsen, 447 Sut-
 ter St., San Francisco.

Bids Being Taken In San Jose Office

APARTMENTS Cost, \$18,000
CASTROVILLE, Monterey Co., Cal.
 Two-story and basement frame and
 stucco or brick apartment build-
 ing (18 rooms; Spanish type).
 Owner—Mr. Franco.
 Architect—W. H. Weeks, Hunter-
 Duin Bldg., San Francisco; 1736
 Franklin St., Oakland, and Bank
 of Italy Bldg., San Jose.
 Will contain large dining room,
 lobby, booths and banquet rooms.

Sub-Contracts Awarded.

APARTMENTS Cost, \$60,000
OAKLAND, Athol Ave. W of Newton
 Three-story and basement frame and
 stucco reinforced concrete apts. (2-
 3- and 4-room apts.)
 Owner—Not Given.

Plans by—Mr. Doctor, Oakland.
 Engineer—Mr. Keenan, Oakland.
 Contractor—J. Danerl, 243 Athol Ave.,
 Oakland.

Electric—E. R. Fritz, 838 Webster St.,
 Oakland.
 Plumbing—J. A. Fazio, 402 Castro,
 Oakland.

Steam Heating—Frank Bell, 30 Grand
 Ave., Oakland.

Concrete—P. Paralle, Oakland.

Steel—McGrath Steel Co., Oakland.

Bids In—Under Advise.

APARTMENTS Cost, \$150,000
OAKLAND, Alameda Co., Cal. No.
 423 Wayne Avenue.
 Six-story reinforced concrete and
 steel apartments.

Owner—L. W. Blake, 423 Wayne Ave.,
 Oakland.

Architect—Ed. T. Foulkes, 357 12th
 St., Oakland.

BONDS

SACRAMENTO, Cal.—Election will
 be held March 28 in Robla School Dis-
 trict to vote bonds of \$5,000 to finance
 school improvements. Trustees of the
 district are Mrs. Helena M. Matanga,
 Mrs. Selma Benning and Mrs. Louise
 Udden.

VISTA, San Diego Co., Cal.—San
 Diego Superior Court ruled that \$50,-
 000 bond issue of Vista School Dis-
 trict was legally voted and that the
 bonds are valid. John S. Slebert, San
 Diego, architect.

NEWPORT BEACH, Orange Co. Cal.
 —\$410,000 bond issue of Newport Har-
 bor High School District sold by
 Board of Supervisors to R. H. Moul-
 ton & Co. at premium of \$4811.

ONTARIO, San Bernardino Co., Cal.
 —Trustees of Chaffey Union High
 School District will meet about April
 1st to determine date for bond elec-
 tion to finance new junior college
 plant at Ontario. Junior College
 plant estimated at \$250,000. Allison
 & Allison, 1005 California Reserve
 Bldg., Los Angeles, architects.

A Demonstration of the SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
 (Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS
 ELECTRIC DRILLS
 GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1222 Mission St.
 San Francisco

Underhill
 1267

VENTURA, Cal.—Board of School
 Trustees called election for March 23
 to vote bonds of \$100,000 for one-story
 reinforced concrete six or eight-room
 addition to E. F. Foster School. Roy
 C. Wilson, Santa Paula.

CUPERTINO, Santa Clara Co., Cal.
 —Election will be held March 23 in
 Cupertino Union School District to
 vote bonds of \$28,000 to finance erec-
 tion of a new school. Trustees of the
 district are: J. A. Ball, J. L. Has-
 kins, Harless Moser, C. R. Forge and
 Warren E. Hyde.

CAMPBELL, Santa Clara Co., Cal.
 —Election will be held March 23 in
 Campbell Union High School District
 to select site on which it is proposed
 to erect a new high school plant. Fol-
 lowing selection of the site an elec-
 tion will be called to vote bonds to
 finance erection of the new school.

BAKERSFIELD, Kern Co., Calif.—
 Muroc School District defeats propo-
 sal to issue bonds of \$10,000 to
 finance erection of a new school.
 Another election will probably be
 called.

CHURCHES

Commissioned To Prepare Plans.

CHURCH Cost, \$42,000
OAKLAND, Alameda Co., Cal. St.
 James Road.
 Frame and stucco church (Spanish
 type).

Owner—Corpus Christi Parish.
 Architect—W. E. Schirmer, 700 21st
 St., Oakland.

NAPA, Napa Co., Cal.—Coffield and
 Arnitz, Napa, at approximately \$3,000
 awarded contract by Rev. Father Gue-
 det, pastor, St. John's Catholic Church
 to remodel church building. F. Ter-
 heyden and Bros., San Francisco,
 awarded contract for painting in con-
 nection with the improvements.

FACTORIES AND WARE- HOUSES

March 18, 1930

Plans To Be Prepared.

ALTERATIONS Cost, \$500,000
 Including equipment
GLENDALE, Los Angeles Co., Cal.
 Alter and remodel sugar beet factory
 into packing plant.
 Owner—Phoenix Packing Co., Phoe-
 nix, Arizona.
 Architect—None.

Contract Awarded.

ADDITION Cost, \$12,000
SAN FRANCISCO, N Townsend St.
 bet. 4th and 5th Sts.
 Concrete and steel addition to pack-
 ing house.
 Owner—Roth, Winter & Walsh, 4th
 and Townsend Sts.
 Plans by Owner.
 Contractor—Barrett & Hilp, 913 Har-
 rison St.

SOUTH SAN FRANCISCO, San Ma-
 teo Co., Cal.—Monson Bros., 475 6th
 St., San Francisco, at approximately
 \$12,000 have started erection of a two-
 story frame and corrugated iron can
 warehouse for W. P. Fuller and Co.,
 adjoining the company's present plant
 in South San Francisco.

Sub-Bids Being Taken.

ADDITION Cost, \$12,000
SAN FRANCISCO. N Townsend St.
 Bet. 4th and 5th Sts.
 Concrete and steel addition to pack-
 ing house.

Owner—Roth, Winter & Walsh, 4th
 and Townsend Sts., San Francisco
 Plans by Owner.
 Contractor—Barrett & Hilp, 918 Har-
 rison St., San Francisco.

Preparing Preliminary Plans.

PROPERTY BLDG. Cost, \$150,000
LOS ANGELES, Cal. No. 780 N.
 Gower Street.

Four-story Class A property building
 (151x125 feet).

Owner—R. K. O. Studios, Premises.
 Architect—Architecture Dept. of
 owner (Clarence Decker in charge)

Contracts Awarded.

WAREHOUSE Cost with equip. \$40,000
STOCKTON, San Joaquin Co., Calif.
 N El Dorado St. and Lindsay.
 Brick tile warehouse and super-ser-
 vice station (150x100-ft.).

Owner—Firestone Tire & Rubber Co.
 Architect—Chas. McCall 1404 Frank-
 lin St., Oakland.

Plumbing and Heating—Lewis Hayes,
 Stockton.

Electric—Hilds Electric Co., 125 West
 Main St., Stockton.

As previously reported lumber con-
 tract awarded to Stockton Lumber
 Co., 247 S Commerce St., Stockton;
 steel and steel sash to Builders' Iron
 Works, 1514 E Scotts St., Stockton.

Will contain modern vulcanizing and
 tire repair shop, a space for batteries
 and ignition service, a brake lining
 and adjusting station, an up-to-date
 wash and greasing rack and a gaso-
 line and oil station.

Plans Being Prepared.

LAUNDRY Cost, \$8000
SAN FRANCISCO. Location with-
 held.

Two-story concrete laundry.

Owner—Withheld.

Architect—Frank Holland, 139 7th
 Ave., San Francisco.

Plans will be ready for bids in about
 one week.

MODESTO, Stanislaus Co., Calif.—
 Nestle Food Co. will double the ca-
 pacity of its plant at Ripon at an
 estimated cost of \$50,000. C. Eisinger
 is manager of the plant.

Construction Started By Day's Work.
MFG. PLANT Cost, \$200,000
OAKLAND, Alameda Co., Cal. Four-
 teen and Poplar Streets (180x
 170-ft.)

Two-story reinforced concrete manu-
 facturing plant.

Owner—American Creamery Co., J. A.
 Silveria, president, 1433 Cypress
 Ave., Oakland.

Architect—Eng. Dept. of Owner.

Capacity will be 10,000 lbs. of but-
 ter, 5000 gals. of ice cream and from
 10 to 15,000 gals. of milk daily. Present
 Oakland plant on Cypress Ave. near
 14th St. will be converted into ma-
 chine shop.

Being Done By Day's Work By Owner
CANNERY Cost, Approx. \$15,000
AGNEW, Santa Clara Co., Cal. State
 Hospital.

One-story brick cannery.

Owner—State of California.

Architect—Geo. B. McDougall, State
 Architect, Public Works Bldg.,
 Sacramento.

Construction is now under way.

REDDING, Shasta Co., Cal.—Indus-
 trial committee of the Redding Cham-
 ber of Commerce is considering the
 erection of a co-operative box factory
 with a four cutoff shop with burner
 and blower system and a capacity of

65 to 70 M.B.M. daily. Estimates sub-
 mitted by Frank I. Redecker, super-
 intendent of the Castella Box Fac-
 tory, place the cost of the contemplated
 project at \$35,000.

Plans Awaiting Approval.

STORAGE PLANT Cost, \$80,000
ALAMEDA, Alameda Co., Cal. North
 end of Oak St.

Bulk storage plant.

Owner—U. S. Refining Co., 801 North
 Main St., Los Angeles.

Architect—Eng. Dept. of Owner.

Until dredging operations, which
 should start within two or three weeks
 are completed, only subsidiary plant
 on property will be erected.

Contract To Be Awarded Shortly.

DISTRIBUTION PLANT Cost, \$90,000
ALAMEDA, Alameda Co., Cal. North
 End of Grand Street.

Distribution plant.

Owner—Union Oil Co., Mills Building,
 San Francisco.

Architect—Eng. Dept. of Owner.

Work involves retaining wall, \$2000;
 garage, \$1800; warehouse, \$1800; load-
 ing platform, \$250; pump house, \$400,
 and a dock house, \$200.

Contract Awarded.

MFG. PLANT Cost, \$14,000
SAN LEANDRO, Alameda Co., Calif.
 Preda St. (3-acre tract).

One-story corrugated iron manu-
 facturing plant (for manufacture of
 auto pistons).

Owner—United Engine & Machine Co.
 Architect—Eng. Dept. of Owner.

Contractor—L. R. Martin, San Lean-
 dro.

GARAGES AND SERVICE STATIONS

Bids Being Taken.

WAREHOUSE Cost approx. \$200,000
PALO ALTO, Santa Clara Co., Calif.
 Brick tire warehouse and super-ser-
 vice station.

Owner—Firestone Tire & Rubber Co.
 Architect—Chas. McCall, 1404 Frank-
 lin St., Oakland.

All modern conveniences will be in-
 stalled.

Contract Awarded.

SERVICE STATION Cost, \$30,000
MODESTO, Stanislaus Co., Cal.
 One-story service station.

Owner—Firestone Tire and Rubber
 Corp., Los Angeles.

Plans by Owners.

Contractor—Geo. J. Ulrich Const. Co.,
 Modesto.

Sub-Contracts Awarded.

GARAGE Cost, \$153,470
SACRAMENTO, Sacramento Co., Cal.
 One-story reinforced concrete garage.
 Owner—Pacific Telephone & Telegraph
 Co., 140 New Montgomery St., San
 Francisco.

Architect—Eng. Dept. of Owner.

Contractor—MacDonald & Kahn, Fi-
 nancial Center Bldg., San Fran-
 cisco.

Reinforcing Steel—Gunn, Carle & Co.,
 444 Market St., San Francisco.

Mill Work—Anderson Bros., Quint &
 Custer Sts., San Francisco.

Finish Hardware—E. M. Hundley, 662
 Mission St., San Francisco.

Structural Steel—Pacific Coast Eng.
 Co., foot of 14th St., Oakland.

Plumbing and Sheet Metal—Latourret-
 te-Fical Co., 57 Clementina St.,
 San Francisco.

Miscellaneous Iron—Fair Mfg. Co., 617
 Bryant St., San Francisco.

Lumber—Sunset Lumber Co., 400 High
 St., Oakland.

Steel Sash—Truscon Steel Co., Call
 Bldg., San Francisco.

Glass—W. P. Fuller Co., 301 Mission
 Street, San Francisco.

As previously reported, terra cotta
 awarded to N. Clark & Sons, 116 Na-
 toma St., San Francisco.

Sub-Contracts Awarded.

GARAGE Cost, \$20,000
SACRAMENTO, Sacramento Co., Cal.
 No. 1221-27 H Street.

Fireproof public garage.

Owner—A. C. Brennan, 3300 San Jose
 Ave., Sacramento.

Architect—None.

Contractor—Guth & Fox, 1520 27th
 St., Sacramento.

Brick Work—Harry Johnson, 818 26th
 St., Sacramento.

Concrete Work—Olmstead & Fields
 1417 29th St., Sacramento.

Lumber—Sunset Lumber Co., 400 High
 St., Oakland.

Iron—Alling Iron Works, 2415 Fifth
 St., Sacramento.

Tile—Fischer Tile & Marble Co., 1219
 J St., Sacramento.

Glass and Glazing—T. E. Cain, 2416
 J St., Sacramento.

Sheet Metal—Park Sheet Metal Wks.,
 2562 Sacramento Blvd., Sacra-
 mento.

Plumbing—George Stack, 421 J St.,
 Sacramento.

Electric Work—J. W. Thomas, 3216 L
 St., Sacramento.

Painting—Bert Leamon, 1109 Santa
 Barbara Court, Sacramento.

Roofing—Park Roofing Co., Sacra-
 mento.

Plans Being Completed.

GARAGE Cost, \$100,000
FRESNO, Fresno Co., Cal. SE Kern
 St. and Van Ness Ave.

Two-story concrete and steel garage
 with service agencies (100x150-ft.).

Owner—Rainbow Realty Co., Fresno.
 Architect and Mgr. of Const.—Shields,
 Fisher & Lake, Pacific Southwest
 Bldg., Fresno.

Contract Awarded.

STATION Cost, \$20,000
SAN FRANCISCO. Fulton and Di-
 visadero Streets.

Fireproof service station and frame
 and stucco stores.

Owner—Thomas Cox.

Architect—F. W. Dakin, 625 Market
 St., San Francisco.

Contractor—E. J. Brown, 666 Mission
 St., San Francisco.

Plans Being Figured.

GARAGE Cost, \$60,000
SAN FRANCISCO. Hampshire St. S
 of Mariposa St.

Two-story Class C concrete garage.
 Owner—Withheld.

Architect—A. H. Knoll, Hearst Bldg.,
 San Francisco.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO—D. E. Burgess,
 602 S Center St., Stockton, at \$5,590
 submitted low bid to Public Works
 Officer, Mare Island Navy Yard for
 completion of cleaning and painting
 five 450-ft. steel radio towers at Mare
 Island Navy Yard.

Complete list of bids follows:
D. E. Burgess, 602 S Center St.,
Stockton.....\$ 6,590

Industrial Maiden Eng. Co., Los
Angeles..... 6,890
E. Anderson, San Francisco..... 7,470
J. A. Turgeon, Oakland..... 9,750
F. L. Hanson, San Francisco..... 9,800
Arenz-Warren Co., Inc., L. A...... 24,870

Bids taken under advisement.

SAN FRANCISCO.—Otis Elevator Co., 1 Beach St., at \$9,889 submitted low bid to furnish and install complete, two 4000-pound capacity each, electric, manually controlled elevators, one in Warehouse Building and another in Shop Building at Goat Island Lighthouse Depot, San Francisco Bay.

Complete list of bids follows:
Otis Elevator Co., 1 Beach St., \$9,889
Pacific Elev. & Equip. Co., 45

Rausch St., 10,083
Spencer Elev. Co., 166 7th St., 10,400
Bids taken under advisement.

SAN DIEGO, Cal.—Until 11 A. M., April 2, bids will be received by the Public Works Officer, 11th Naval District, San Diego, for extending the timber bulkhead at the naval training station. The work includes in general a timber bulkhead together with the required fill deposited back of the bulkhead and stone riprap and earth fill in the voids of riprap in front of the bulkhead. The bulkhead will be approximately 372 linear feet in length, and will consist of crossoted Douglas fir sheet piling, deadmen, wales, clamps and steel tie rods. Sheet piling shall be tongued and grooved, made from 4-inch by 12-inch timbers, and will be not less than 13.5 feet long from point to cut-off. Geo. A. McKay, Captain, is the Public Works Officer. Spec. 6130.

SACRAMENTO, Calif.—Until March 27, 11 A. M., under Order No. 1789-Sac, 82, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver, Sacramento, 5 dozen silk floss mattresses and a miscellaneous quantity of Battleship Linoleum. Specifications and further information obtainable from above office.

PUGET SOUND, Wash.—Until Apr. 2, under Specification No. 6098, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for surface condenser, air ejector, condensate pump, motor driven exciter set, switchboard panels and instruments at Puget Sound, Wash. Deposit of \$5 required for plans obtainable from Bureau.

ELLENBURG, Wash.—Until April 16, under Specification No. 507, bids will be received by the U. S. Bureau of Reclamation, Ellensburg, to furnish labor and materials and all work for the construction of earthwork, tunnels, and structures on division No. 3 of the North Branch Canal, Kittitas division, Yakima project, Wash. The work is located near Kittitas, Wash., a station on the Chicago, Milwaukee, St. Paul, and Pacific Railroad. Work will include 118,000 cu. yds. excavation, 8000 cu. yd. back fill about structures, 3400 cu. yds. concrete, placing 84,000 lbs. reinforced bars, laying 2600 lin. ft. of 18 to 72-in. precast concrete pipe, furnishing and erecting 43 M ft. b. m. timbering in tunnels, installing 8800 lbs. gates, gate lifts, structural steel, and other metal work. Specifications obtainable from above office.

HAWTHORNE, Nevada.—Until April 9, under Specification No. 6111, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for laundry equipment, washer, extractor tumbler ironer, presses, ironing boards, etc., at the naval ammunition depot, Hawthorne, Nevada; deposit of \$10 required for plans obtainable from above.

SAN FRANCISCO.—Until March 28, 10 A. M., under Schedule No. 928-30-227, bids will be received by Quarter-

master Supply Officer, General Depot, Fort Mason, to furnish and deliver 200 gals. paint drier; 85 gals. brown enamel primer; 255 gals. spar water resisting, spar varnish; patch, weld, rivet and clean interior of 40 steel drums, 38 of 50 to 55-gal. capacity, 1 of 72-gal. capacity and 1 of 100-gal. capacity. Further information obtainable from above.

SAN FRANCISCO.—Until April 7, 10 A. M., under Schedule No. 928-30-224, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish 270 wrought metal hose clamps for 4-ply, 120 of 1½-in. brass equal to "Sherman" and 150 2-in. steel galvanized, equal to "Allen"; 10 sets couplings for 4-ply steam hose, cast brass; 18 wattour meters, 60-cycle, alternating current, 25 ampere, 110-115 volts, 2-wire with metal cover; miscellaneous packings; 500 porcelain electric key sockets; 100 double pole knife switches; 600 lbs. annunciator wire; 6,000 ft. rubber covered copper wire. Further information obtainable from above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Purchasing Officer, 100 Harrison St., San Francisco:

Bids Open April 1
Sch. 3042, Mare Island, 8,000 gals. raw tung oil.

Sch. 3047, Mare Island, 4 arc welding sets, motor-driven.

Sch. 3043, New York or San Francisco, 21 motor-driven engine lathes.

Sch. 3052, San Francisco, 2 motor trucks.

Sch. 3054, Mare Island, 1 steel forging, propeller shaft, 26,250 lbs.

Sch. 3057, Puget Sound, 77,000 ft. lighting and power cable, 18,000 ft. interior communication cable.

Sch. 3065, Norfolk, 100,000 rubber gaskets; Mare Island, 50,000 do.

PEARL HARBOR, T. H.—As previously reported, R. S. Chase, 987 Waiman St., Honolulu, T. H., at \$25,500 submitted low bid to Bureau of Yards and Docks, Navy Department, under Specification No. 8921 for extension of motor testing building at the naval operating base (air station), Pearl Harbor, T. H. Work includes earthwork, concrete, steel and iron work, tubular steel and hollow metal doors, steel windows, roofing and sheet metal work, woodwork, hardware, glazing, painting and electric lighting. Complete list of bids follows:
R. S. Chase, 987 Waiman St., Honolulu, T. H., item 1, \$25,500.

John Hansen Honolulu, T. H., \$26,392.

H. A. R. Austin, 313 A. & B. Bldg., Honolulu, T. H., \$26,950.

W. H. Walker, 821 Pilokoi St., Honolulu, T. H., \$27,231.

J. L. Young Engineering Co., Ltd., 1750 Young St., Honolulu, T. H., \$27,400.

Ames-Will, Ltd., Room 18, Pier 9, Honolulu, T. H., \$28,689.

Bitulthnic Paving Co. 854 Kaahumanu St., Honolulu, T. H., \$31,700.

Marks Constr. Co., Aloha Tower, Honolulu, T. H., \$33,000.

Yosuke Ando, 1303 Beretania St., Honolulu, T. H., \$37,628.

STOCKTON, San Joaquin Co., Cal.—Longview Dredge Co., First National Bank Bldg., Oakland, at \$689 cu. yd. awarded contract by U. S. Engineer Office, California Fruit Bldg., Sacramento, for dredging 1,772,000 cu. yds. of material from New York Slough and Suisun Bay.

SEATTLE, Wash.—As previously reported, Fitton & Livergreen, Coleman Bldg., Seattle, at \$178,700 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6053, to erect shop building, approximately 260 by 100 ft., and one-story storehouse, approximately 200 by 100 ft., having concrete foundations and floors, steel framing, brick and hollow tile walls, and built-up roofing, and a concrete seaplane runway at the naval air station, Seattle. Complete list of bids follows:
1, work complete; 2, storehouse only; 3, engine and overhaul shop; 4, seaplane runway:

Fitton & Livergreen, Coleman Bldg., Seattle, (1) \$178,700; (2) \$51,000; (3) \$123,000; (4) \$13,000.

Cristman & Snyder, Smith Tower, Seattle, (1) \$180,610; (2) \$52,733; (3) \$121,314.

Commercial Constr. Co., Arcade Bldg., Seattle, (1) \$184,869; (2) \$54,949; (3) \$123,991; (4) \$11,542.

W. T. Butler Central Bldg., Seattle, (1) \$186,129; (2) \$55,191; (3) \$124,753; (4) \$15,007.

W. B. Erskine, 4521 Corliss Ave., Seattle, (1) \$186,250; (2) \$514,114; (3) \$126,854; (4) \$7983.

Hendrickson-Alstrom Constr. Co., Securities Bldg., Seattle, (1) \$188,100; (2) \$52,490; (3) \$125,990; (4) \$15,920.

Halstrom & Halstrom Leary Bldg., Seattle, (1) \$191,841; (2) \$52,844; (3) \$124,357; (4) \$15,000.

Warrack Constr. Co., McDowell Bldg., Seattle, (1) \$195,198; (2) \$55,035; (3) \$131,500; (4) \$14,468.

West Coast Constr. Co., Lloyd Bldg., Seattle, (1) \$195,850; (2) \$53,406; (3) \$129,560; (4) \$13,400.

Western Constr. Co., Seaboard Bldg., Seattle, (1) \$198,325; (2) \$55,460; (3) \$132,675; (4) \$12,633.

E. A. Francis Constr. Co. Inc., Thompson Bldg., Seattle, (1) \$198,361; (2) \$56,587; (3) \$132,257; (4) \$55,171.

Johnson Bros., 1716 E. 66th St., Seattle, (1) \$201,500; (2) \$55,315; (3) \$132,647; (4) \$17,100.

Pacific States Constr. Co., Lloyd Bldg., Seattle, (1) \$202,105; (2) \$60,250; (3) \$138,740; (4) \$18,460.

Jenkins-Kaufman Thompson Bldg., Seattle, (1) \$202,250; (2) \$60,670; (3) \$129,580; (4) \$12,000.

J. W. Bailey Constr. Co., Empire Bldg., Seattle, (1) \$204,250; (2) \$57,175; (3) \$128,296; (4) \$20,579.

W. P. Thurston 4th and Bird Sts., Richmond, Va., (1) \$214,000; (2) \$75,000; (3) \$150,000; (4) \$30,000.

Syllaasen & Sando Arcade Bldg., Seattle, (1) \$217,161; (2) \$58,038; (3) \$139,380; (4) \$19,743.

Halbauer-La Bahn, Inc., 844 Rush St., Chicago, (1) \$218,148; (2) \$58,822; (3) \$145,041; (4) \$14,285.

SACRAMENTO, Cal.—U. S. Engineer Office, Calif. Fruit Bldg., Sacramento, rejects bids to remove from the San Joaquin river, across from Antioch, hulks of two burned freighters.

Chris Lauritzen of Antioch was low bidder in offers ranging from \$9155 to \$18,000.

SACRAMENTO, Cal.—Until March 25, 11 A. M., under Order No. 1780-1621, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver one roll of tracing cloth, best grade, 42 inches wide by 24 yards long No. 150, "Excelsior," Keuffel & Esser Co., Cat. or equal.

SACRAMENTO, Cal.—Until April 1, 11 A. M., under Order No. 1692-1585, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver one mo-

tor-generator electric arc welding set, for two individual welding circuits, each with a capacity of 400 amperes, variable voltage and the equipment necessary for two operators. Further information obtainable from above office.

HALLS AND SOCIETY BUILDINGS

MODESTO, Stanislaus Co., Calif.—Until March 26, 7:30 P. M., bids will be received by H. E. Gragg, city clerk, to erect two frame clubhouse buildings. Certified check 10% payable to Mayor required with bid. Plans on file in office of City Engineer Frank Rossi.

Plans Being Figured.
BUILDING Cost, \$400,000
OAKLAND, Alameda Co., Cal. Location Withheld.
Six-story and basement Class C steel frame and concrete building.
Owner—Salvation Army.
Architect—Douglas Stone, 62 West-ern Power Bldg., Oakland.

Plans To Be Prepared.
MEMORIAL BLDG. Cost, \$65,000
EMERYVILLE, Alameda Co., Cal.
Two-story and basement Class C Veterans' Memorial Building.
Owner—County of Alameda.
Architect—Not Yet Selected.

Bids To Be Taken March 17—To Be Opened March 26.
LODGE BLDG. Cost, \$75,000
SAN FRANCISCO, Valencia St. near Market St.
Three-story and basement reinforced concrete and steel lodge building (50x165-ft.).
Owner—Independent Order of Foresters.
Architect—Harold Stoner, 1481 Burlingame Ave., Burlingame.

Preliminary Plans Prepared.
STORE & LODGE Cost, \$—
GILROY, Santa Clara Co., Calif. N. Monterey St.
Two-story concrete store and lodge building (190x55-ft.).
Owner—Mainero Bros., Gilroy.
Architect—Not Selected.
Lessee—Elks Club (2nd story).
Lessee—B. Barshinger (1st story).
Preliminary plans have been prepared by Albert Roller, Crocker First National Bank, San Francisco.

FORTUNA, Humboldt Co., Calif.—County supervisors reject bids to erect American Legion Memorial Building at Fortuna. Plans will be revised and new bids asked. Newton Ackerman, architect, 102 W. Fourth St., Eureka.

ARCATA, Humboldt Co., Calif.—County supervisors reject bids to erect American Legion Memorial Bldg. at Arcata. Plans will be revised and new bids asked. Newton Ackerman, architect, 102 W. 4th St., Eureka.

Additional Sub-Contracts Awarded.
CLUB Contract price, \$237,000
SACRAMENTO, Sacramento Co., Cal. Ninth and M Sts., facing Capitol Square.
Four-story reinforced concrete club.
Owner—Sutter Club.
Architect—Dean and Dean, California State Life Bldg., Sacramento, and Stark & Flanders, Oschner Bldg., Sacramento, associated.
Contractor—George D. Huddutt, Inc., 1915 S. St., Sacramento.
Elevators—Spencer Elevator Co., 166 7th St., San Francisco.
Glazing—W. P. Fuller & Co., 301 Mission St., San Francisco.
Painting—Wilcolon and Wilson, 1724 34th St., Sacramento.
As previously reported, tile and mar-

ble awarded to H. P. Fischer Tile & Marble Co., 1219 J St., Sacramento; mill work to Friend & Terry, 2nd and S St., Sacramento; steel sash to Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco; heating and ventilating to Latourrette-Fical Co., 907 Front St., Sacramento; plumbing and electric work to Luppen & Hawley, 3216 J St., Sacramento; concrete piles to Raymond Concrete Co., Hunter-Dulin Bldg., San Francisco.

HOSPITALS

Plans Completed.
ADDITIONS Cost, \$30,000
SAN LUIS OBISPO, San Luis Obispo Co., Calif.

Additions to hospital (Class C brick construction).

Owner—Dr. Gallup & Mugler, San Luis Obispo.
Architect—Miller & Warneke, Financial Center Bldg., Oakland.

In all probability the contract for this work will be awarded to W. J. Smith, 1115 Higuera St., San Luis Obispo.

Bids Being Taken.
HOSPITAL Cost, \$200,000
TUCSON, Arizona.

One-story concrete modern hospital.
Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.

Architect—A. I. Coffey and Martin J. Rist, Phelan Bldg., San Francisco.

ATWATER, Merced Co., Cal.—Dr. W. C. Cotton associated with local interests proposes the erection of a modern plant in Atwater to cost \$85,000, including equipment.

To Be Done By Day's Work By Owner
ALTERATIONS Cost, Approx. \$15,000
ELDRIDGE, Sonoma Co., Cal.
Alterations and additions to State Home.

Owner—State of California.
Architect—Geo. B. McDougall State Architect, Public Works Bldg., Sacramento.

WHITTIER Los Angeles Co., Cal.—Until March 24, 7:30 P. M., bids will be received by Debbie E. Allen, city clerk, for one Alpine sun lamp, 110 volts alternating current on movable floor stand, complete with transformer, lamp socket attachment plug leads and two pair of goggles. Further information obtainable from Cora A. Mathis, superintendent of the Murphy Memorial Hospital, East Bailey St. Certified check for 10%.

Preparing Working Drawings.
ADDITION Cost, \$150,000
REDWOOD CITY, San Mateo County, Cal. County Hospital Grounds at Eureka.

Wing addition to county hospital.
Owner—County of San Mateo, Elizabeth M. Keese, county clerk.
Architect—Will H. Toepke, Cal Bldg., San Francisco.

SANTA BARBARA, Cal.—Until 10 A. M., April 7, bids will be received by Board of Supervisors of Santa Barbara County for furnishings for new nurses' home building at county hospital. Cost, \$7000.

BAKERSFIELD, Kern Co., Cal.—San Joaquin Hospital Association of Bakersfield, capitalized for \$100,000, has filed articles of incorporation with the county clerk and contemplate early erection of a modern hospital plant. Directors are: Drs. N. N. Brown, George C. Sabichi, Joseph Smith and George Holmquist.

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at \$6900 submitted only bid to county supervisors to construct covered passageway leading from County Relief Home to new county hospital. Taken under advisement. Newton Ackerman, architect, 102 West 4th St., Eureka.

SANTA CRUZ, Santa Cruz Co., Cal.—Directors of the Santa Cruz Hospital in Sequel Ave. contemplate the erection of a wing addition to the present structure to provide additional quarters for X-Ray apparatus, laboratory and offices.

Excavating Bids Wanted.
ADDITION Cost, \$650,000
SAN FRANCISCO. Fell and Baker Streets.

Addition to present Class A hospital.
Owner—Southern Pacific Railroad Co., 65 Market St., San Francisco.

Architect—Alfred I. Coffey and Martin J. Rist, Phelan Bldg., S. F.
Contractor—Barrett & Hlip, 918 Harrison St., San Francisco.

EUREKA, Humboldt Co., Cal.—Dolson Electric Shop, Eureka, at \$2,492.85 with four alternative bids submitted low bid to county supervisors for connection of all wires to one transformer and for four other connections at the county hospital. Home Electric Co. bid \$2662 with four alternative bids. Taken under advisement. Newton Ackerman architect, 102 W. Fourth St., Eureka.

EUREKA, Humboldt Co., Cal.—W. J. Steeves, 2303 Union St., Eureka, at \$7,997 submitted low bid to county supervisors to erect two tuberculosis cottages and one school cottage at the county hospital. Newton Ackerman, architect, 102 W. 4th St., Eureka. Complete list of bids, all taken under advisement, follows:

W. J. Steeves.....\$7,997

Mercer-Fraser Co., Eureka.....\$3,300

Halsby & Lax, Eureka.....\$3,374

EUREKA, Humboldt Co., Calif.—Mercer-Fraser Co., Eureka, at \$14,400 submitted low bid to county supervisors to construct underground steam conduits and connections leading from the boiler house to the various units of the new County Hospital group, also for boiler house mechanical equipment. Leland & Haley, engineers, 58 Sutter St., San Francisco. Newton Ackerman, architect, 102 W. 4th St., Eureka.

Complete list of bids, all taken under advisement, follows:

Mercer-Fraser Co.....\$14,400

Scott Co., San Francisco.....16,567

George C. Bell, Oakland.....17,190

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at \$6,900 awarded contract by county supervisors to construct connecting corridor between Detention Home and new county hospital. Dolson Electric Shop, Eureka, awarded contract for wiring. Newton Ackerman, architect, 102 W. 4th St., Eureka.

Plans Being Completed.
LABORATORY Cost, \$20,000
SAN FRANCISCO. Sutter and Scott Streets.

One-story brick laboratory bldg.
Owner—Mt. Zion Hospital, premises.
Architect—Arthur Brown, Junior, 251 Kearny St.

Plans will be ready for bids in about ten days. Previously reported that project would be of frame and stucco construction.

EUREKA, Humboldt Co., Cal.—W. J. Steeves, 2303 Union St., Eureka, at \$7,977 awarded contract by county supervisors to erect two new tuber-

cular cottages and a school cottage at the county hospital grounds. Newton Ackerman, architect, 102 W 4th St., Eureka.

EUREKA. Humboldt Co., Cal.—County supervisors reject bids for new steam line in connection with county hospital plant in course of construction and new bids will be asked at once. Mercer-Fraser Co., Eureka, was low bidder at \$14,400. New bids have been ordered called under revised specifications. Newton Ackerman, 102 W 4th St., Eureka, architect. Plans on file in office of clerk and obtainable from architect.

HOTELS

Sub-Bids Being Taken.
HOTEL Cost, \$1,500,000
SAN DIEGO, San Diego Co., Cal.
Point Loma.
Nine-story and double basement Class A reinforced concrete hotel (260x 200 feet).
Owner—Leon Reich, 434 North Colorado St., Los Angeles.
Architect—Wm. H. Kraemer, 3923 W. Sixth St., Los Angeles.
Contractor—Hart Bros. Constr. Co., 3921 W. Sixth St., Los Angeles.

Preliminary Plans Being Prepared.
HOTEL Cost, \$200,000
SONORA, Tuolumne Co., Cal. Location not selected.
Four-story concrete class C hotel (100 rooms, each with shower and bath)
Owner—Edwards & Schary, et al.
Architect—Edwards and Schary, 605 Market St., San Francisco.

Planned.
HOTEL Cost, \$2,500,000
LOS ANGELES, Cal. Head of Vine Street.
Seven-story Class A hotel (300 guest rooms).
Owner—Hollywood Ritz-Carlton Holding Company.
Architect—Gordon B. Kaufmann, 610 Union Bank Bldg., Los Angeles.

Preparing Working Drawings.
HOTEL Cost, \$500,000
EUREKA, Humboldt Co., Cal. NW 4th and F Sts.
Eight- or nine-story 200-room modern hotel building.
Owner—Pickwick Co. (Ed. Thompson, 5th and Mission Sts., San Francisco, in charge).
Architect—O'Brien Bros. and W. D. Feugh, 315 Montgomery St., San Francisco.

As previously reported, soundings are being made by Mercer-Fraser Co., Eureka. Plans will be ready for bids in two weeks.
(3577) 1st report Aug. 12; 7th, Jan. 9, 1930. i0

ICE AND COLD STORAGE PLANTS

Plans Being Prepared.
COOLING PLANT Cost, \$75,000
ORANGE, Orange Co., Cal.
Three-story reinforced concrete pre-cooling plant (70x80-ft.).
Owner—Consolidated Orange Growers, Engineers—Gay Eng. Corp., 2650 Santa Fe Ave., Los Angeles.
Note—Additional expenditure, approximately \$50,000, for ice equipment to be made later.

Preparing Plans.
MFG. PLANT Cost \$30,000
(Including equipment)
COACHELLA, Riverside Co., Cal.
One-story reinforced concrete ice mfg. plant.
Owner—Imperial Ice & Development Company.
Engineers—Gay Eng. Corp., 2650 Santa Fe Ave., Los Angeles.

Contract Awarded.
STORAGE PLANT Cost, \$—
COACHELLA, Riverside Co., Cal.
Reinforced concrete ice and cold storage plant (50 tons per day capacity).
Owner—Imperial Ice & Development Company.
Architect—None.
Contractor—Gay Engineering Co., 2650 Santa Fe Ave., Los Angeles.

Plans Being Prepared—To Be Done By Day's Work.
ADDITION Cost, \$300,000
TACOMA, Washington.
Four-story concrete and hollow tile cold storage plant addition (165x 130-ft.)
Owner—City of Tacoma.
Engineer—Engineering Dept., Tacoma City Port Commission, George W. Osgood, manager.

POWER PLANTS

FRESNO, Fresno Co., Cal.—San Joaquin Light & Power Co., Fresno, has announced immediate plans for power plant construction totaling \$500,000 and more, not including a steam plant for which plans are being prepared. Work has been commenced on the following:
Substation at Camden, near Riverdale, to cost \$105,000.
Substation at Biola, to cost \$96,000.
Substation at Old River, Kern county, to cost \$19,000.
Substation at Guernsey, Kings county, to cost \$74,000.
Reconstruction of a substation at Reedley, to cost \$85,000.
Transmission line from Camden substation, to cost \$18,747.49.
Transmission line from Biola to Ashland substation, to cost \$68,642.
The steam plant referred to above will cost about \$3,500,000.

PALO ALTO, Santa Clara Co., Cal. —City votes bonds of \$135,000 to finance purchase of gas and electric distributing systems of the Pacific Gas and Electric Co. in the Mayfield District to operate as a municipal project.

Plans Being Prepared.
ADDITION Cost approx. \$500,000
SAN FRANCISCO. Bush Street near Grant Ave.
Two-story reinforced concrete addition to present sub-station.
Owner—Great Western Power Corp., 437 Sutter Street.
Architect—Weeks and Day, Financial Center Bldg.

SAN FRANCISCO.—Until March 25, 10 A. M., under Schedule No. 928-30-223, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver parts for a steam turbine, 50 K.W., Serial No. 7727 Westinghouse Electric & Mfg. Co.'s viz.: 1 main gear wheel; 1 motor, complete with gland runners, pinion and auto stop; 1 gear drive governor; 1 gear drive pump; 2 sets gland packing. Further information obtainable from above.

OAKLAND, Cal.—Kelman Electric Mfg. Co., at \$2364 awarded contract by East Bay Municipal Utility District to furnish oil circuit breaker equipment required for district use.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

TOMALES, Marin Co., Cal.—Tomales Farm Center in co-operation with the Italian and Swiss Clubs has raised \$2200 to finance erection of a new town hall for municipal purposes and for community hall use.

SAN CARLOS, San Mateo Co., Cal. —Action brought in the Superior Court by the Bankitaly Company, purchaser of the \$26,000 bond issue of the city of San Carlos to finance erection of a new city hall, to determine the legality of the issue, has resulted in a favorable decision for the city. E. L. Norberg 550 Market Street, San Francisco architect.

Contract Awarded.
CITY HALL Cont. price, \$65,840
HAYWARD, Alameda Co., Cal.
Three-story reinforced concrete city hall.
Owner—City of Hayward.
Architect—E. P. Whitman, Hayward.
Contractor—Fred. J. Westlund, 625 40th St., Oakland.

Will contain offices for the police department, city attorney, city clerk, city engineer, supt. of streets and tax collector, water department, health center and recorder or police judge, besides a city jail and a city council meeting room.

LONG BEACH, Los Angeles Co., Cal.—R. E. Campbell, 711 Central Bldg., Los Angeles, was awarded the general contract March 11 by the Long Beach city manager at \$914,650, for the erection of the new municipal auditorium at Long Beach. Awards on other contracts are as follows: Plumbing to O. E. Ross, 521 E First St., Long Beach, at \$74,789; heating to Jones Heating Co., 28 E Union St., Pasadena, at \$155,160 and electric wiring to Baty Electric Co., 128 W 4th St., Long Beach, at \$75,360. Alternates to be accepted on the general contract are: (1) to lath and plaster all walls in the exhibition mezzanine areas, add \$8800; (7) to eliminate two pieces of statuary in the front facade, deduct \$3700; (8) use hollow metal bronze doors and trim in place of wood, add \$4400; (10) face main facade and returns with sandstone, add \$151,800; (13) to stucco panels on the elevations of the terraces, add \$1900; (27) use copper roofing, add \$5700; (32) use Armo iron metal lath and all corner beads.

J. Harold MacDowell, New York City, is the architect and W. Horace Austin, Pacific Southwest Bank Bldg., Long Beach, is the resident architect. Over all dimensions of the structure will be 400x185 feet, steel frame construction, reinforced concrete walls and floors, two large elevators.

Contracts Awarded.
COUNTY JAIL Cost, \$—
WILLOWS, Glenn Co., Cal.
Two-story and basement reinforced concrete county jail.
Owner—County of Glenn.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.

General Work
David Pagninelli, 519 California St., San Francisco, \$35,998.
Jail Equipment
Dimba Steel Products Co., 163 2nd St., San Francisco, \$13,214.

Plans Being Figured.
CITY HALL Cost, \$14,000
(available in city treasury)
CORCORAN, Kings Co., Cal.
Combination firehouse and city hall (pressed brick construction).
Owner—City of Corcoran.
Architect—C. E. Butler, Cory Bldg., Fresno.

Will be Spanish type, housing quarters for the fire department, various city officials. Plans are on file in office of the clerk and are obtainable from the architect.

Sub-Contracts Awarded.
ADDITIONS. Cost \$300,000
SAN FRANCISCO. Civic Center.
Two six-story class A wing additions to State Building, and one-story and basement connecting passage.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Granite—McGillivray-Raymond Corp., 3 Potrero Ave.
Grading—Sibley Grading & Teaming Co., 165 Landers St.
Structural Steel—Dyer Bros., 17th and Kansas Sts.

As previously reported, general work awarded to Vogt & Davidson, 185 Stevenson St., \$206,643; electrical work to Porter Elec. Co., 1500 Church St., \$10,600; plumbing and heating to Scott Co., 243 Minna St., \$16,184.
Will be steel frame, granite masonry wall and part reinforced concrete construction. Floor area approx. 45,500 square feet.

Sub-Contracts Awarded.
LIBRARY. Cost, \$275,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Kittredge St.
Reinforced concrete and steel class A public library (50 ft. high).
Owner—City of Berkeley, E. M. Hann, city clerk.

Architect—James M. Plachek, Mercantile Bank Bldg., Berkeley.
Heating Engineers—Leland and Haley, 58 Sutter St., San Francisco.
Contractor—K. E. Parker, 135 South Park, San Francisco.
Excavating—J. Catucci, 1212 18th Ave., Oakland.

Reinforcing Bars—Concrete Engineering Co., 1280 Indiana St., San Francisco.

Cement—Western Artificial Stone Works, 666 Brannan St., San Francisco.

Lathing and Plastering—Sam Greenbach, Hearst Bldg., San Francisco.
Marble—Ray Cook Marble Co., Foot Powell St., Oakland.

Roofing and Waterproofing—Malott & Petersen, 3222 20th St., San Francisco.
Plumbing—Fearney and Noll, 1075 40th Ave., San Francisco.

Glazing—W. P. Fuller & Co., 301 Mission St., San Francisco.

Sheet Metal—Gulfof Cornice Works, 1234 Howard St., San Francisco.

Metal Work—Forderer Cornice Works, 269 Potrero Ave., San Francisco.

Bronze (Windows and doors)—Kawner Mfg. Co., 666 Mission Street, San Francisco.

Ornamental and Miscellaneous Iron—Industrial Ornamental Iron & Wire Works, 552 Noe St., San Francisco.

Tile—Superior Tile & Products Co., Sharon Bldg., San Francisco.

Elevators—Spencer Elevator Co., 166 7th St., San Francisco.

Acoustic Work—Johns-Manville, Inc. of California, 159 New Montgomery St., San Francisco.

Painting—A. A. Zelinsky & Son, 4420 California St., San Francisco.

Electric Work—California Elec. Const. Co., 639 Mission St., San Francisco.

As previously reported, structural steel awarded to Pacific Coast Engineering Co., foot of 14th St., Oakland; reinforcing steel to Concrete Engineering Co., 1280 Indiana St., San Francisco.

Plans Being Prepared.
LIBRARY. Cost, \$30,000
SAN QUENTIN, Marin Co., Cal. State Penitentiary Grounds.
One-story fireproof library.
Owner—State of California.
Architect—State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento.

In addition to library quarters the structure will house a chapel and several classrooms.

RENO, Nevada—Until April 14, 7:30 P. M., bids will be received by Board of Trustees of Washoe County Library, Reno, to furnish and install approximately 49 ft. of steel shelving. Specifications and further information obtainable from H. H. Scheeline, chairman of the Board of Trustees at Reno.

RESIDENCES

Sub-Figures Being Taken.
ADDITION. Cost, \$21,477
ATHERTON, San Mateo Co., Cal. Isabella Avenue.
Addition to residence.
Owner—C. F. Michaels, Premises.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.

Plans Being Completed.
RESIDENCE. Cost, \$—
HILLSBOROUGH, San Mateo Co., Cal. One and one-half-story frame and stucco and brick veneer residence (9 rooms; Norman type).
Owner—Russell Coleman.
Designer—Russell Coleman, 1404 Broadway, Burlingame.
Plans will be ready for figures in 30 days.

Plans Complete.
RESIDENCE. Cost, \$85,000
SAN MARINO, Los Angeles Co., Cal. Two-story frame and stucco Italian type residence (18 rooms).
Owner—Van E. Thompson, San Marino.
Architect—The Foss Co., 171 S Los Robles Ave., Pasadena.

Contract Awarded.
RESIDENCE. Cost, \$—
SANTA BARBARA, Santa Barbara Co., Cal. Montecito District.
Reinforced concrete and frame residence (16 rooms and 6 baths).
Owner—A. L. Painter.
Architect—R. D. Johnson, 707 Architecas Bldg., Los Angeles.
Contractor—Snook & Kenyon, 111 De la Guerra Studios, Santa Barbara.

REDWOOD CITY, San Mateo Co., Calif.—Hillsborough Estates Co. has been incorporated and has purchased 100 acres on the east slope of Black Mountain. The property will be landscaped and divided into villa sites. Incorporators are: David J. Stollery, Wm. Gross and Harry W. Regan. (Philip M. Lansdale, Palo Alto banker, has purchased 300 acres adjoining

the above property and plans to develop a personal estate in the immediate future).

Sub-Contracts Awarded.
RESIDENCE. Cost, \$11,000
OAKLAND, Alameda Co., Calif. 6464 Estates Drive.
Two-story frame and stucco residence (7 rooms and garage).
Owner and Builder—C. C. Herriott, 700 Mandana Blvd., Oakland.
Architect—John I. Easterly, Howden Bldg., Oakland.
Plumbing—Ever-Ready Plumbing Co., 3530 Fruitvale Ave., Oakland.
Structural Steel—Michel & Pfeffer, 10th and Harrison Sts., San Francisco.
Electric—Morgan Electric Co., 1102 E 14th St., Oakland.
Mill Work—Loop Lumber & Mill Co., Broadway and Blanding, Alameda.

Plans Being Figured.
RESIDENCE. Cost, \$—
SANTA CRUZ, Santa Cruz Co., Calif. Pasatiempo Golf Course & Estates Property (2 acre site).
One-story and basement 8-room frame and stucco residence.
Owner—Robert Howes.
Architect—Wm. W. Wurster, 260 California St., San Francisco.
Contract to be awarded March 31, 1930.

To Be Done By Day's Work.
RESIDENCE. Cost, \$10,000
SAN FRANCISCO. SW Scott & Filbert Sts.
Two-story frame and stucco residence.
Owner—D. C. Robinson, 871 31st Ave.
Architect—None.

Contract Awarded.
RESIDENCE. Cost, \$20,000
SAN FRANCISCO. Forest Hill.
Two-story and basement ten-room frame and stucco residence.
Owner—W. E. Schoppe, 3310 Geary St.
Architect—Harold Stoner, 1481 Burlingame Ave., Burlingame.
Contractor—Henry Papenhausen, 595 Victoria St.

Plans Being Prepared.
RESIDENCE. Cost, \$18,000
SAN MATEO, San Mateo Co., Calif. Hillsborough Park.
Two-story frame and stucco residence (9 rooms).
Owner and Builder—A. M. Schulte, 459 Cornell Ave., San Mateo.
Architect—Grimes & Schoening, Balovich Bldg., San Mateo.
Plans will be ready for bids in two or three days.

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Plans Being Completed.
BUNGALOWS Cost, \$9,000
SAN FRANCISCO. Mount Davidson Manor.
 Two 1-story frame and stucco bungalows (4 rooms).
 Owner and Builder—M. Nelson.
 Plans by D. E. Jaekle, Call Bldg.
 Plans will be ready for bids in a week or ten days.

Contract Awarded.
RESIDENCE Cost, \$12,000
BERKELEY, Alameda Co., Cal. 1942-44-46-48 Atkins.
 Two-story 4-family frame residence and garages (12 rooms).
 Owner—Edwin Faucett, 1401 Berkeley Way, Berkeley.
 Architect and Contractor—F. W. Sexter, 6452 Telegraph Ave., Oakland.

Contract Awarded.
ALTERATIONS Cost, \$11,000
SAN FRANCISCO. 22 22nd Ave.
 Alterations and addition to residence.
 Owners—Mr. and Mrs. W. Meyer, Federal Reserve Bank Bldg.
 Architect—Ashley & Evers, 525 Market St.
 Contractor—H. H. Larsen, 64 South Park.

Sub-Contracts Awarded.
RESIDENCE Cost, \$9,361
LOS ALTOS, Santa Clara Co., Calif. Margarita Tract.
 Two-story 7-room frame and stucco residence.
 Owner—Salemia M. Patterson, San Francisco.
 Architect—Frank S. Holland, 137 9th Ave., San Francisco.
 Contractor—Geo. B. Moore, 531 Stanford St., Palo Alto.
 Mill Work—Hubbard and Carmichael Bros., 384 W Santa Clara St., San Jose.
 Electric Work—Callahan Electric Co., Palo Alto.

Plans Being Prepared.
BUNGALOWS Cost, \$5600 to \$6250
SAN FRANCISCO. Miraloma Park, Sunset Dist. and Richmond Dist.
 One hundred 1-story frame and stucco bungalows.
 Owner—Meyer Bros., 727 Portola Dr.
 Plans by Owner's architectural department.
 Construction of these structures will be undertaken during the current year it is announced by Theo. G. Meyer, president of the company. Construction will be started on about ten of the buildings, comprising the first unit of the program, at once and sub-bids are desired on all parts of the work.

Plans Being Prepared.
RESIDENCE Cost, \$10,000
SAN RAFAEL, Marin Co., Cal.
 One-story and basement frame and stucco residence.
 Owner—Name Withheld.
 Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Contracts Awarded.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. 6664 Estate St.
 Two-story frame and stucco residence (25x64-ft.)
 Owner—Chas. C. Herriott, 700 Mandana St., Oakland.
 Architect—John Easterly, Howden Bldg., Oakland.
 Hardware—B. Simon Hardware Co., 639 Broadway, Oakland.
 Carpentry—Elmer Gahly.
 Plumbing—Victor L. Alkens, 3530 Fruitvale Ave., Oakland.
 Electric Wiring—Morgan Elec. Co.
 Lumber and Mill Work—Loop Lumber & Mill Co., Broadway and Blanding, Oakland.
 Concrete—Triberti & Nassaro, 957 38th St., Oakland.

Contract Awarded—Sub-Bids Being Taken.
RESIDENCE Cost, \$8500
SAN MATEO, San Mateo Co., Calif. Peninsula Manor.
 Two-story frame and stucco residence Owner—Mrs. A. Graudo.
 Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
 Contractor—V. Soward, San Mateo.

Contract Awarded—Sub-bids Being Taken.
RESIDENCE Cost, \$8500
SAN MATEO, San Mateo Co., Calif. Peninsula Manor.
 Two-story frame and stucco residence Owner—Mrs. L. Dulst.
 Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
 Contractor—V. Soward, San Mateo.

Plans Being Prepared.
RESIDENCE Cost, \$14,000
SAN MATEO, San Mateo Co., Calif. Belmont Park.
 Two-story frame and stucco residence (8 rooms).
 Owner—W. C. Lyon, Belmont Park.
 Architect—Grimes & Schoening, Balovich Bldg., San Mateo.
 Plans will be ready for bids in one week.

Plans Being Prepared.
RESIDENCE Cost, \$18,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
 Two-story reinforced concrete residence.
 Owner and Builder—J. F. Knapp, Emeryville.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,500
SAN MATEO, San Mateo Co., Cal. NE 10 ft. of Lot 11 and S 40 ft. of Lot 12 Bk. 19 known as No. 423 Georgetown St.
 Frame and stucco residence (5 rooms and basement).
 Owner and Contractor—Buschke & Johnson, Georgetown, Baywood.
 Architect—None.

Plans Completed.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. San Luis Road.
 Two-story English type frame and stucco residence (8 rooms).
 Owner—Withheld.
 Architect—Sidney B. Noble & Archie T. Newsom, Federal Realty Bldg., Oakland.

Plans Being Figured—Bids Close March 23, 2 P. M.
RESIDENCE Cost, \$10,000
WATSONVILLE, Santa Cruz Co., Cal. Brexington Sub-division.
 One-story and attic frame and stucco residence (8 rooms).

Owner—L. R. Johnson, Watsonville.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Plans Being Prepared.
RESIDENCE Cost, \$30,000
PEBBLE BEACH, Monterey Co., Cal.
 One-story frame and stucco residence Owner—Thomas Telfer.
 Architect—W. E. Schirmer, 700 21st St., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$50,000
FIDMONT, Alameda Co., Cal. Glen Alpine Road.
 Two-story 16-room frame, stucco and brick veneer residence.
 Owner—J. C. Witter, 116 Parkside Dr., Oakland.
 Architect—Williams and Wastell, 374 17th St., Oakland.
 Plans will be ready for bids about April 1st.

Plans Being Figured.
RESIDENCE Cost, \$8000
SAN FRANCISCO. Benton Ave. (St. Mary's Park).
 One-story frame and stucco residence (5 rooms).
 Owner and Builder—A. R. Johnson, 3901 Mission St., San Francisco.
 Plans by D. E. Jaekle, Call Bldg., San Francisco.

Sub-Bids Being Taken.
RESIDENCE Cost, \$9,361
LOS ALTOS, Santa Clara Co., Calif. Margarita Tract.
 Two-story 7-room frame and stucco residence.
 Owner—Salemia M. Patterson, San Francisco.
 Architect—Frank S. Holland, 137 9th Ave., San Francisco.
 Contractor—Geo. B. Moore, 531 Stanford St., Palo Alto.

March 15, 1930
 Plans Being Prepared.
RESIDENCES Cost, \$12,500
SAN MATEO, San Mateo Co., Calif. Bellevue Ave.
 Two 2-story frame and stucco residences.
 Owner—Ernest Johnson, 235 Clark Dr., San Mateo.
 Architect—Ed. Musson Sharp, 525 Market St., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. S Fairway E Oak Knoll Blvd.
 Two-story frame and stucco residence (7 rooms).
 Owner—Mrs. Alf Petersen, 3918 Linwood Ave., Oakland.
 Architect—W. W. Dixon, 1844 Fifth Ave., Oakland.
 Contractor—Alfred Petersen, 3918 Linwood Ave., Oakland.

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RESIDENCE Cost, \$11,000
OAKLAND, Alameda Co., Cal. 6464
Estates Drive.
Two-story frame and stucco residence
(7 rooms and garage).
Owner and Builder—C. C. Herriott,
700 Mandana Blvd., Oakland.
Architect—John L. Easterly, Howden
Bldg., Oakland.

Plans Being Revised.

RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
Hamilton Avenue.
Two-story frame and stucco residence
(7 rooms).
Owner—F. M. Warren, 1120 High St.,
Palo Alto.
Architect—Ed. Musson Sharpe, 525
Market St., San Francisco.

Sub-Figures Being Taken.

RESIDENCE Cost, \$5000
MILBRAE HIGHLAND, San Mateo
Co., Cal.
One-story frame and stucco residence
(6 rooms).
Owner and Builder—V. Chaix, 443
42nd Ave., San Francisco.
Plans by D. E. Jackle, Call Bldg., San
Francisco.

Contract Awarded.

RESIDENCE Cost, \$30,000
PALOS VERDES, Los Angeles Co.
Two-story frame and stucco residence
Owner—J. E. Hanson.
Architect—None.
Contractor—George Miller, 1301 Brigh-
ton Way, Beverly Hills.

Plans Being Completed.

RESIDENCE Cost, \$100,000
PASADENA, Los Angeles Co., Cal.
San Rafael Avenue.
Two-story and basement frame and
stucco residence (Italian type)
(20 rooms, 7 baths).
Owner—Arthur C. Thorsen, Pasadena
Architect—Garrett Van Pelt Jr., 51 S.
Euclid Ave., Pasadena.

GRIDLEY, Butte Co., Cal.—Sacred
Heart Catholic Church is having plans
prepared for a \$10,000 parochial resi-
dence in connection with the Mission
type church plant, completed two
years ago.

Completing Plans.

RESIDENCE Cost, \$70,000
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame and
stucco residence (50x130 ft.) (14
rooms) (early California type).
Owner—Walter D. Main.
Architect—R. D. Johnson, Architects
Bldg., Los Angeles.
Contractor—Withheld.

Will be frame and stucco construction
with shakes roof, tiled baths and
drainboards, automatic storage water
heater, gas furnace heating, hard-
wood and tile floors, pine and hard-
wood trim mantels, electric refrigera-
tion, garage, landscaping, terracing,
etc.

COLUSA, Colusa Co., Cal.—Resi-
dence of L. S. Butler, 17 miles from
Colusa on the east side of the Sacra-
mento river was destroyed by fire
March 11. The loss is placed at \$20,-
000, partially covered by insurance.

Preparing Working Drawings.

RESIDENCE Cost, \$35,000
PASADENA, Los Angeles Co., Cal.
Eastern Section.
Two-story frame and stucco residence
(11 rooms) (35x105 ft.).
Owner—A. B. Charles.
Architect—Douglas McLellan, Archi-
tects Bldg., Los Angeles.

Plans Being Figured.

RESIDENCE Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
Two-story frame and stucco residence
Owner—W. W. Holt.
Architect—Willis Polk Co., 277 Pine
St., San Francisco.

Plans To Be Prepared.

BUNGALOWS Cost, \$60,000
(total expenditure)
FRESNO, Fresno Co., Cal. Various
sections of the city.
Frame and plaster bungalows.
Owner—Fresno Home Builders, E. M.
Howard, secretary - manager, 1231
Broadway, Fresno.

Plans by Owners.

At the last meeting of the stock-
holders it was voted to spend \$60,000
in the erection of homes during the
current year, the structures to cost
between \$6,000 and \$7,000 each.

Plans Being Prepared.

RESIDENCE Cost, \$10,000
MENLO PARK, San Mateo Co., Cal.
One-story and basement frame and
stucco residence.
Owner—Mr. Mohun.
Architect—N. W. Sexton, deYoung
Bldg., San Francisco.

Completing Plans—Contract Awarded

RESIDENCE Cost, \$70,000
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame and
stucco residence (50 x 130 ft.) (14
rooms) (early California type).
Owner—Walter D. Main.
Architect—R. D. Johnson, Architects
Bldg., Los Angeles.
Contractor—Dowsett-Ruhl, Russ Bldg
San Francisco.

Will be frame and stucco construction
with shakes roof, tiled baths and
drainboards, automatic storage water
heater, gas furnace heating, hard-
wood and tile floors, pine and hard-
wood trim mantels, electric refrigera-
tion, garage, landscaping, terracing,
etc.

Bids Opened—Under Advisement.

RESIDENCE Cost, \$—
PIEDMONT, Alameda Co., Cal. King
and La Salle Ave.
Two-story 10-room English type brick
veneer residence.
Owner—A. S. Weaver, 2274 Washing-
ton St., San Leandro.
Architect—Miller and Warnecke, Fi-
nancial Center Bldg., Oakland.
Will have oil burner, hot water heat,
slate roof.

Thomas Furlong, 460 Jerome St.,
Oakland, \$25,000.

Chester A. Gossett, 327 Davis Court,
Oakland, \$26,000.

T. D. Courtwright, 5098 Manila Ave.,
Oakland, \$26,400.

Jensen & Pedersen, 3443 Adeline
St., Oakland, \$27,292.

Alex Wieben, 337 17th St., Oakland,
\$27,300.

George Petersen, 1841 Santa Clara
Ave., San Leandro, \$30,400.

All bids taken under advisement.

SCHOOLS**Bids Opened—General Contract Let.**

SCHOOL Cost, \$—
FAIRFIELD, Solano Co., Calif.

Two-story reinforced concrete high
school (10 classrooms and audi-
torium).

Owner—Armijo Union High School
District.

Architect—Coffman, Sahlberg & Staf-
ford, First National Bank Bldg.,
Oakland.

(General Contract—Concrete, Carpen-
try and Masonry)

Frank Cress, 828 Excelsior St., Oak-
land, (awarded), \$95,816; ded. \$2,-
000.

Wm. Keating, Sacto., \$95,700; deduct
\$1,800.

H. W. Robertson, Sacramento, \$96,411;
ded. \$2,500.

J. W. Cobby & Son, San Francisco,
\$96,973; ded. \$1,800.

J. A. Bryant, San Francisco, \$98,884;
ded. \$1,650.

J. H. Johnson, \$101,997; ded. \$3,208.

V. A. Kaufenberg, Pittsburg, \$103,000;
ded. \$2,671.

George W. Kopp, \$111,000; ded. \$2,500.

J. C. Boss, Sacramento, \$111,700; ded.
\$3,000.

Azevedo & Sarmento, Sacramento,
\$113,000; ded. \$1,500.

Contract awarded to Frank Cress on
the alternate bid, leaving slabs in de-
stroyed building.

Electrical Work

Crockett Elec. Co., Crockett.....\$19,447

Eddy Elec. Co., San Francisco 21,296

Alta Elec. Co., San Francisco.....22,995

T. L. Rosenberg, Oakland.....23,000

Roberts Mfg. Co., Oakland.....23,175

Solano Supply Co., Fairfield.....25,305

Scott Plumbing & Electric Co.,
Sacramento.....25,641

Roofing

Malott & Peterson, 3221 20th St.,
San Francisco.....\$4,549

Bush Roofing Co., Sacramento.....4,639

C. L. Frost, Palo Alto.....4,946

Mastercraft Tile Roofing Co.,
Richmond.....5,114

State Roofing Company's bid not
considered, lacking 10% cert. check.

Lathing and Plastering

P. H. Donnelly, 3957 Oakmore
Road, Oakland.....\$16,458

McGrue & Co., San Francisco.....18,255

Wm. B. Scollan, Sacramento.....18,224

Victor Fatta, Oakland.....19,887

Herman Bosch, San Francisco.....20,380

J. C. Perry, Stockton.....21,309

A. Knowles, San Francisco.....23,616

Painting

Jos. J. Burdon & Son, 1426 Mac-
donald Ave., Richmond.....\$ 4,625

Patterson Bros., Berkeley.....5,250

Conrad Schneider.....5,657

D. Zelinsky & Sons, S. F.....7,300

D. E. Burgess, Stockton.....7,224

S. Kirkhouse, Crockett.....7,610

A. C. Saraiva, Benicia.....8,500

Raphael Co., San Francisco.....8,525

J. F. Ecker, Stockton.....9,175

Calif. Painting Co., Vacaville.....10,400

Glass and Glazing

East Bay Glass Co., 621 6th St.,
Oakland.....\$2,341

Cobbledick-Kibbe Glass Co. Oak-
land.....2,390

Sheet Metal Work

Frank Z. Ahl, 1615 21st St., Sacra-
mento.....\$2,125

Martinez Sheet Metal W'ks, Mar-
tinez.....3,193

Plumbing

J. D. Johnson, and Sons, Mar-
tinez.....\$10,138

Dallman Sup. Co., Sacramento.....11,740

W. H. Picard, Oakland.....11,740

Scott Company, Oakland.....12,872

Heating and Ventilating

W. H. Picard, 5656 College Ave.
Oakland.....\$10,636

T. J. Kennedy, Martinez.....10,700

Geo. T. Bell.....10,840

J. D. Johnson & Son.....11,425

Dallman Sup. Co., Sacramento.....11,848

F. J. Edwards.....11,877

Scott Co., Sacramento.....12,590

**Plumbing, Heating, Ventilating and
Electric Work (Combined Bid)**

W. H. Picard, 5656 College Ave.
Oakland.....\$22,019

Dallman Sup. Co., Sacramento.....22,850

Scott Plumbing & Electric Co.,
Sacramento.....22,993

Woodland Plumbing & Supply
Co., Woodland.....23,956

**Plumbing, Heating, Ventilating, Elec-
tric and Sheet Metal (Combined
Bid)**

Latourrette-Pical Co., 907 Front
St., Sacramento.....\$49,200

Linoleum

H. W. Rivett Est., Sacto.....\$4,560.80

Van Fleet-Freear Co., S. F.....5,295.00

With the exception of the carpen-
try, concrete and masonry work,
awarded to Frank Cress, the low bids
on each unit of the work were taken

under advisement and the checks of the other bidders returned. It is anticipated that contracts will be awarded to the low bidders.

LAS VEGAS, Nevada.—Until March 28, 10 A. M., bids will be received by E. H. Hunting, secretary, Las Vegas Union School District, to furnish and lay floor coverings for Academic Bldg. of high school now in course of construction. Plans obtainable from Principal at high school on deposit of \$5, returnable.

SAN JOSE, Santa Clara Co., Cal.—Until April 8, 8 P. M., bids will be received by Walter L. Bachrodt, secretary, Board of Education, to furnish and deliver not less than one carload of chainlink fencing material. Specifications obtainable from secretary.

BAKERSFIELD, Kern Co., Cal.—Until April 10, 7:30 P. M., bids will be received by Florence E. Porter, Secretary, Bakersfield School District, to furnish supplies for school year ending June 30, 1931. Specifications obtainable from secretary at 1660 K St., Bakersfield.

Contract Awarded.
SCHOOL Cost \$90,380
GUADALUPE, Santa Barbara Co.
Frame and stucco school.
Owner—Guadalupe Joint Union School District.
Architect—Edwards & Plunkett, 20 E. Figueroa St., Santa Barbara.
Contractor—O. C. Marriott & Co., 700 S. McClelland St., Santa Maria.

Plans Being Completed.
CONVENT Cost, \$50,000
SAN FRANCISCO. Twenty-third Ave. and Geary St.
Three-story reinforced concrete con.

Owner—Roman Catholic Archbishop, 1100 Franklin St.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts.
Plans will be ready for bids in one week.

Bids To Be Advertised In One Week.
GYMNASium Cost, \$60,000
SAN FRANCISCO. University Mound One-story steel frame, waad and plaster gymnasium.
Owner—Playground Commission, City and County of San Francisco.
Architect—Gardner Dalley, 425 Mason St., San Francisco.

Sub-Bids Being Taken.
SCHOOL Cost, \$70,000
SAN FRANCISCO. 18th Avenue near Vicente St.

Two-story and basement 8-classroom reinforced concrete school.
Owner—Roman Catholic Archbishop, 1100 Franklin St.

Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts.
Contractor—S. Rasori, Call Bldg.

Plans Being Figured—Bids Close Apr. 5, 2 P. M.
GYMNASium Cost, \$60,000
CENTERVILLE, Alameda Co., Cal.
One-story reinforced concrete gymnasium.

Owner—Washington Union High School District.
Architect—Elrge M. Clark, 310 University Ave., Palo Alto.

Bids are being taken on a general contract. Certified check 10% payable to President of District required with bid. Plans on file in office of clerk at Centerville and obtainable from architect on deposit of \$20, returnable.

MARTINEZ, Contra Costa Co., Cal.—Until March 29, 10 A. M., bids will be received by R. L. Boyer, clerk, Alhambra Union High School District, to grade school site for Martinez

Junior High School in the Brown Tract. Certified check 10% payable to clerk of district required with bid. Specifications obtainable from R. R. Arnold, county surveyor at Martinez.

Sub-Contracts Awarded.
LIBRARY Cost, \$—
SAN RAFAEL, Marin Co., Cal.
Three-story reinforced concrete academic and library building, (12 classrooms and library)
Owner—Dominican College of San Rafael.

Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.

Will be of Italian Renaissance style.
Painting—J. H. Devert, 912 Harrison St., San Francisco.

Sheet Metal—Gulifoy Cornice Works, 1234 Howard St., San Francisco.

Plastering—W. A. Gould, Mt. View.
Glass—Crowe Glass Co., 675 Golden Gate Ave., San Francisco.

Art Glass—Cummings Studios, 220 Turk St., San Francisco.

Hardware—Palace Hardware Co., 581 Market St., San Francisco.

Electric Work—T. L. Rosenberg and Co., 411 Webster St., Oakland.

As previously reported, reinforcing steel awarded to Concrete Engineering Co., 1280 Indiana St., San Francisco; steel pan forms to Steelform Contracting Co., Monadnock Bldg., San Francisco; lumber to Henry Hess Lumber Co., San Rafael.

Preparing Preliminary Plans.
KINDERGARTEN Cost, \$6,000
SAN RAFAEL, Marin Co., Cal.
One-story frame and stucco kindergarten.
Owner—San Rafael Board of Education.
Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Working Drawings Approved.
ADMINISTRATION BLDG. \$200,000
LOS ANGELES, Los Angeles Co., Cal.
Owensmouth High School Site.

Administration and classroom buildings.

Owner—Los Angeles Board of Education.
Architect—A. S. Nibecker Jr., 1624 Bushnell St., Pasadena.

Administration building will be 60 x150 ft. and classroom, 60x225 ft. Both two-story Class C construction.

BERKELEY, Alameda Co., Cal.—Until March 31, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia St., to furnish and deliver school supplies for school year 1930-31. Specifications obtainable from secretary.

SELMA, Fresno Co., Cal.—Trustees of the Selma Union High School District will provide funds in the 1930-31 budget to finance purchase of additional equipment for the school shop departments.

Plans Complete.
SCHOOL Cost, \$—
BURLINGAME, San Mateo Co., Cal.
Canyon Road and Summit Drive.

Two-story 8-classroom reinforced concrete school.

Owner—Burlingame School District.
Architect—W. H. Weeks, 111 Sutter St., San Francisco.

The \$130,000 bond issue was recently sold for a premium of \$5500, and will provide for the erection of this 8-room school, in addition to the purchase of a site for another school in East Burlingame to accommodate students in the Winchester Tract. Bids will be called for in a week.

Preparing Working Drawings.
SCHOOL Cost, \$18,000
MENDOCINO, Mendocino Co., Cal.
One-story redwood rustic school (five classrooms, administration offices, etc.)
Owner—Mendocino School District.
Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.
Plans will be ready for bids in about 30 days.

LIVERMORE, Alameda Co., Calif.—Bids are being received by trustees of the Livermore High School District to furnish and lay linoleum in new high school, now in course of construction. Specifications and further information obtainable from A. G. Spiess, principal at high school.

SAN FRANCISCO—Heywood-Wakefield Co., 737 Howard St., at \$8,612 awarded contract by Board of Public Works to furnish and install chairs in Roosevelt Junior High School at Arguello Blvd. and Geary St. and in Polytechnic High School at Frederick and Willard Sts. F. E. Turner, Stockton, at \$7,007 submitted low bid for this work. Ink Ribbon Co., only other bidder at \$7,516.

Construction To Start Soon.
GYMNASium Cost, \$635,000
LOS ANGELES, Cal. U. S. C. Campus.

Three-story and basement reinforced concrete and steel gymnasium (249x198 feet).

Owner—University of Southern California, Los Angeles.
Architect—John and Donald B. Parkinson, 808 Title Insurance Bldg., Los Angeles.
Contractor—P. J. Walker Co., 1111 W. M. Garland Bldg., Los Angeles.

Plans Being Figured—Bids Close April 7, 8 P. M.

CITY HALL Cost, \$14,000
(available in city treasury)
CORCORAN, Kings Co., al.
Combination firehouse and city hall (pressed brick construction).
Owner—City of Corcoran.
Architect—C. E. Butner, Cory Bldg., Fresno.

Will be Spanish type, housing quarters for the fire department and various city officials. Certified check 10% payable to city required with bid. Plans on file in office of clerk and obtainable from architect.

Commissioned To Prepare Plans.
SCHOOL Cost, \$250,000
ALTADENA, Los Angeles Co., Cal.
Block bounded by Lake Ave., Calaveras St., Maiden Lane and Boston St.

Junior High School building.
Owner—Pasadena Board of Education
Architect—Marston & Maybury 25 S. Euclid Ave., Pasadena.

Plans Being Figured.
LIBRARY Cost, \$100,000
CLAREMONT, Los Angeles Co., Cal.
Reinforced concrete and hollow tile library (Spanish type).
Owner—Claremont College, Claremont.
Architect—Gordon B. Kaufmann, 610 Union Bank Bldg., Los Angeles.

Working Drawings Being Completed.
SCHOOL Cost, \$17,000
SANTA ROSA, Sonoma Co., Cal. So. Park Section.
One-story frame and stucco school with tile roof (3 rooms and auditorium).

Owner—City of Santa Rosa School District.
Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.

Plans will be ready for bids in one week.

Plans Being Prepared.

SCHOOL Cost, \$35,000
(in bonds voted to finance)
FORTUNA, Humboldt Co., Cal.
One-story school.
Owner—Fortuna School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Bids Opened.

SCHOOL Cost, \$—
KELSEYVILLE, Lake Co., Calif.
One-story reinforced concrete high school (125 pupils) with combination gymnasium and auditorium.
Owner—Kelseyville Union High School District.
Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.

General Contract

Petaluma Const. Co., Petaluma \$30,400
Minton Co., Mt. View..... 30,600
Widder & Heitz, Healdsburg..... 30,729
Louis Halvorsen, Santa Rosa..... 31,383
Dodd-Eldridge..... 32,550
A. Lightfoot, Willits..... 33,152
J. W. Cobby, San Francisco..... 34,694
Sorensen & Haggmark, S. F..... 35,700
W. J. Meeker, Santa Rosa..... 35,817
Claude Beach, Lakeport..... 35,849
Heating
E. J. Kennedy, Martinez..... 33,206
Chas. Norfrey, Lakeport..... 3,351
Marcy & Peterson, Sonoma..... 3,450
H. W. Salls, Ukiah..... 3,563
Walter Kinder, Napa..... 3,877
Miller-Hays, Stockton..... 3,702
W. H. Picard, Oakland..... 3,749
Ukiah Plumb. & Htg. Co., 3,882
Bids taken under advisement.

Plans Complete.

SCHOOL Cost, 1st unit, \$700,000
SAN FRANCISCO. Apts and West-gate Aves.
Class A Junior high school (accommodate approx. 1200 pupils).
Owner—City & County of San Francisco.
Architect—Shea and Shea, 454 Montgomery St.
Will be known as Aptos Junior High School.

Preliminary Plans Being Prepared.

SCHOOL Cost, \$75,000
ALTURAS, Modoc Co., Cal.
Grammar school (height and type of construction not decided).
Owner—Alturas Grammar School Dist.
Architect—Starks & Flanders, Forum Bldg., Sacramento.

Plans Being Completed.

SCHOOL Cost, \$700,000
SAN FRANCISCO. Onondaga, Otsego and Cayuga Aves.
Third unit of South Side High School.
Owner—City & County of San Francisco.
Architect—Bakewell & Weihe, 251 Kearny St., San Francisco.
Bids will be taken in a week or ten days.

Preparing Working Drawings.

ADMINISTRATION BLDG. \$65,000
PASADENA, Los Angeles Co., Cal.
N Eressee Street.
Class A concrete administration building (50x150 ft.).
Owner—Pasadena College.
Architect—Marsh, Smith & Powell, 514 Architects Bldg., Los Angeles

Bonds Voted To Finance—Plans Being Prepared.

SCHOOL Bonds of \$45,000 Voted
SAN JOSE, Santa Clara Co., Cal.
Monterey Road.
One-story school; tile roof (auditorium to seat 400).
Owner—Franklin School District.
Architect—W. H. Weeks, 111 Sutter St., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
Trustees of the District are: Heath H. Titcomb, A. B. Anderson and Mrs. Catherine L. Wool.

Preparing Preliminary Plans.

ADDITIONS Cost, \$25,000
FRESNO, Fresno Co., Cal.
Classroom additions to school.
Owner—Bullard School Dist., Fred Alcorn, clerk.
Architect—Swartz and Ryland, Brix Bldg., Fresno.
An election will be called to vote bonds to finance the work.

BANKS, STORES & OFFICES

Plans Being Completed—Contract Awarded—Leases Signed.
STORE & LOFTS Cost, \$75,000
SACRAMENTO, Sacramento Co., Cal.
SW 7th and K Sts.
Two-story and basement brick store and loft building (60x160-ft.)
Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.
Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.
Contractor—Industrial Const. Co., 815 Bryant St., San Francisco.
Lessee—J. C. Penny Co., (1st floor).
Lessee—Foreman & Clark (2nd floor).
Sub-bids will be taken shortly.

Awarded—Leases Signed.
STORE & LOFTS Cost, \$60,000
SACRAMENTO, Sacramento Co., Cal.
K St. W 7th St.
Two-story and basement brick store and loft building.
Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.
Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.
Contractor—Industrial Const. Co., 815 Bryant St., San Francisco.
Lessee—Clark Dollar Store.

Plans Being Figured By Selected List Of Contractors.
REMODELING Cost, \$15,000
SAN FRANCISCO. 111 O'Farrell St.
Remodel present store.
Owner—Kohler & Chase, premises.
Architect—F. H. Meyer, 525 Market Street.

Preparing Preliminary Plans.
STORES Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal.
One-story brick stores.
Owner—C. F. Aaron.
Architect—Dean & Dean, California State Life Bldg., Sacramento.
Lessee—Hart, Schaffner & Marx.

Construction Started.
REMODELING Cost approx. \$20,000
OAKLAND, Alameda Co., Calif. 16th and Broadway.
Remodel first floor and mezzanine floors in 12-story class A building for restaurant.
Owner—Hans Lorenzen.
Architect—Blaine & Olsen, 1755 Broadway, Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

Lineoleum Contract Awarded
OFFICES Cost, \$160,000
SAN FRANCISCO. E Montgomery St. N Sutter St.
Six-story and basement and mezzanine floor class B concrete offices.
Owner—Lurie Co., 315 Montgomery St.
Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St.
Contractor—Industrial Const. Co., 815 Bryant St.
Lessee—Title Insurance and Guarantee Co., 250 Montgomery St.
Lineoleum—W. & J. Sloane, 224 Sutter Street.

As previously reported, plastering contract awarded to A. W. Cordes 1263 33rd Ave.; cast iron to McGilvray-Raymond Corp., 3 Potrero Ave.; plumbing to J. J. McLeod, 1246 Golden Gate Ave.; ornamental and miscellaneous iron to California Artistic Metal & Wire Co., 349 7th St.; metal

pans to Steelform Contracting Co., Monduck Bldg.; sidewalk lights to Pacific Sidewalk Light Co., 252 Lobos St.; reinforcing steel to Gunn, Carle & Co., 441 Market St.

Plans Being Figured—Bids Close April 1.

STORES & OFFICES Cost, \$—
LOS ANGELES, Cal. S-Hill Street.
Twelve-story and basement steel frame and concrete Class A stores and offices, 60x153 feet.
Owner—Sun Realty & Finance Co.
Architect—Claud Beelman, Union Bank Bldg., Los Angeles.

Site Purchased—Plans Being Prepared.

EXCHANGE Cost, \$55,000
(with equipment)
SONORA, Tuolumne Co., Cal. Washington St.
One-story fireproof, 45 by 65-ft., telephone exchange.
Owner—Pacific T. & T. Co., G. W. Patterson, manager at Sonora.
Architect—Eng. Dept. of Owner.

Plans Completed.
STORE BLDG. Cost, \$10,000
SAN MATEO, San Mateo Co., Cal.
One-story reinforced concrete store building.
Owner—Withheld.
Plans by Russell Coleman, 1404 Broadway, Burlingame.
Contractor selected. Contract will be awarded on cost plus basis.

Plans Prepared.
RESIDENCE Cost, \$8,000
WILLOWS, Glenn Co., Cal.
One-story (3) stores Spanish type residence.
Owner—Wright & Kimbrough, Sacramento.
Architect—Harry Devine, 1405 41st St., Sacramento.
Structure will be leased to Skaggs Saway Stores and two other firms.

Bids Being Taken.
STORE Cost, \$10,000
TRACY, San Joaquin Co., Cal. West side Central Ave.
One-story brick class C store.
Owner—Urban Properties Co., 155 Montgomery St., San Francisco.
Architect—Bertz, Winter & Maury, 218 Post St., San Francisco.

Commissioned To Prepare Plans.
TELEPHONE BLDG. Cost, \$—
LONG BEACH, Los Angeles Co., Cal.
Two-story class A telephone building (100x150-ft.).
Owner—Long Beach Telephone Co., Long Beach.
Architect—Maurice Sasso, I. W. Hellman Bldg., Los Angeles.
Plans will provide for additional stories at a later date.

Plans Being Figured.
STORE Cost, \$25,000
SAN MATEO, San Mateo Co., Cal. SE Third Ave. and San Mateo Drive.
One-story reinforced concrete store building (50x115-ft.).
Owner—Martin Stelling and Edgar L. Gould, 155 Montgomery St., San Francisco.
Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.

Plans Completed.
STORES & OFFICES Cost, \$450,000
LOS ANGELES, Cal. No. 629 S. Hill Street.
Twelve-story Class A stores and offices (60x150 feet).
Owner—Sun Realty Co., 727 West Seventh St., Los Angeles.
Architect—Claud Beelman, 1019 Union Bank Bldg., Los Angeles.

THEATRES

Preparing Preliminary Plans.
THEATRE Cost, \$250,000
SAN PEDRO, Los Angeles Co., Cal.
 Class A theatre, stores and offices (to seat 1500).
 Owner—Fox—West Coast Theatres, Inc., Film Exchange Bldg., Los Angeles.
 Architect and Engineers—Balch and Stanbery, Film Exchange Bldg., Los Angeles.

Sketches Being Prepared.
THEATRE Cost, \$300,000
HUNTINGTON PARK, Los Angeles Co., Cal. Pacific Blvd. bet. Zoe and Saturn Aves.
 Two-story class A theatre (seat 1700).
 Owner—Fox—West Coast Theatres, Inc., Film Exchange Bldg., Los Angeles.
 Architect and Engineers—Balch and Stanbery, Film Exchange Bldg., Los Angeles.

Commissioned to Prepare Plans.
THEATRE Cost, \$1,000,000
LOS ANGELES, Cal. SE corner Wilshire Blvd. and Western Ave.
 Class A theatre, stores and lofts (174x 220-ft.; seat 2500).
 Owner—Serrano Corp. (Henry de Roulet, representative).
 Architect—Morgan, Walls & Clements, 1134 Van Nuys Bldg., and G. Alb. Lansburg, 937 Consolidated Bldg., Los Angeles, associated.

Preparing Working Drawings.
THEATRE Cost, \$—
BEVERLY HILLS, Los Angeles Co., Cal. SW Wilshire Boulevard and Reeves Drive.
 Class A theatre, stores and offices (to seat 2500).
 Owner—Warner Bros., Pacific Coast Theatres, Los Angeles.
 Architect—B. Marcus Pretica, 913 Downtown Theatre Bldg., Los Angeles.

Contract Awarded.
BUILDING Cost, \$100,000
LOS ANGELES, Cal. No. 780 N. Gower Street.
 One-story reinforced concrete sound-proof building (132x175 ft.).
 Owner—R. K. O. Studios, Inc., 780 N. Gower St., Los Angeles.
 Architect—None.
 Contractor—Myers Bros., 3407 San Fernando Road, Los Angeles.

Bids Opened—Under Adviseiment.
THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. Twelfth St. and Broadway.
 Two-story theatre and store building (theatre to seat approx. 800).
 Owner—Vezina Estate, Oakland.
 Architect—Clausen & Amandes, Hearst Bldg., San Francisco.
 Lessee—Golden State Theatres, Inc.
 Jas. L. McLaughlin & Co., 251 Kearny St., S. F. 443,325
 Mission Concrete Co., 270 Turk St., San Francisco 44,376
 A. D. Disston, Hearst Bldg., San Francisco 44,922
 Barrett & Hulp, 918 Harrison St., San Francisco 44,959
 A. L. Vezina, 7101 Chabot Road Oakland 44,970
 C. L. Wold, 185 Stevenson St., San Francisco 45,500
 Spivock & Spivock, Hobart Bldg., San Francisco 48,100
 Hooper 49,448
 T. J. Kennedy, Martinez 51,652

Plans Being Figured—Bids Close Mar. 26, 2:30 P. M.
STAGE COMPANY Cost, \$55,000
SAN FRANCISCO, Municipal Auditorium (Civic Center).
 Gridiron and canopy for stage.
 Owner—City & County of San Francisco.

Architect—Bureau of Architecture 2nd floor, City Hall (Chas. H. Sawyer, acting chief of bureau).
 Bond of \$13,750 will be required of the successful bidder. Cash check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Architecture on deposit of \$15, returnable.

Plans To Be Prepared.
THEATRE Cost, \$800,000
PASADENA, Los Angeles Co., Calif. Option on Green St. property.
 Theatre (seat 2,000).
 Owner—B. S. Moss, New York City.
 Architect—Eugene Rosa, New York City.

Plans Being Figured.
THEATRE Cost, \$100,000
CALEXICO, Imperial Co., Cal. Second St. bet. Heber and Heferman Streets.
 Class A theatre (seat 1200).
 Owner—Dave Croft and Fox—West Coast Theatres.
 Architect—John Paxton Perrine, 717 Lincoln Bldg., Los Angeles.

WHARVES AND DOCKS

SANTA BARBARA, Calif.—Macco Const. Co., 815 Ocean Ave., Clearwater has been awarded a contract at approx. \$70,000 to construct a pier about ten miles west of Santa Barbara for the Bolsea Chica Oil Co., Roosevelt Bldg., Los Angeles. G. V. Morrison, engineer, Daily News Bldg., Santa Barbara. Derricks will be erected on the structure for the purpose of drilling on the owner's tidelands all lease. It will be 821 feet in length, with a 93-ft. ramp, and will have a main deck 20 ft. in width. An additional four feet of deck space will be provided for pipe lines and a walk. Treated steel H beams will be used for piling and the larger portion of the deck is to be timber covered, those portions under the boilers and tanks to be of reinforced concrete. Construction will be started at once.

OAKLAND, Cal.—F. F. Herrick, 18th and Campbell Sts., Oakland, at \$19,772 submitted low bid to City Port Commission for steel frame on Transit Shed on Ninth Ave. Pier in Brooklyn Basin. Complete list of bids, all taken under advisement, follows:
 F. F. Herrick, Oakland 19,772
 Pacific Coast Eng. Co., Oakland 21,940
 Judson-Pacific Co., S. F. 22,122
 California Steel Co., Oakland 22,227
 Moore Dry Dock Co., Oakland 22,970
 Minneapolis—Moline Implement Co., Los Angeles 25,342

SAN DIEGO, Calif.—Charles and F. W. Steffen, 221 Spreckels Theatre Bldg., San Diego, awarded contract by city council at \$83,475 for the construction of an extension to the Broadway pier. The project calls for an extension 200 ft. to the pier head line, making the enlarged structure 1000 ft. in length. The new construction will be 130 ft. in width. The estimated cost is \$100,000. Construction will be built with precast concrete piles and flat slab deck.

MISCELLANEOUS CONSTRUCTION

Plans Being Completed.
BATH HOUSE Cost, \$12,000
SACRAMENTO, Sacramento Co., Cal. Robbins Farm Center, Sutter Basin.
 One-story frame and stucco bath house.
 Owner—Robbins Farm Center.
 Architect—Dean & Dean, California State Life Bldg., Sacramento.
 Bids will be taken in two or three weeks.

Contract Awarded.
MAUSOLEUM Cost, \$10,000
SAN MATEO COUNTY, Cal. Holy Cross Cemetery.
 Mausoleum.
 Owner—Isabelle Brophy (et al).
 Architect—None.
 Contractor—Georgia Marble Co., % Howard Seidl, 1291 32nd Ave., San Francisco.

HANFORD, Kings Co. Cal.—Until April 2, 7 P. M., bids will be received by D. C. Williams, city clerk, to erect bandstand in Lacey Park. Certified check 10% payable to city required with bid. Plans obtainable from city clerk on deposit of \$5, returnable.

HANFORD, Kings Co., Cal.—Until April 2, 7 P. M., bids will be received by D. C. Williams, city clerk, to erect comfort station and pump-house at Airport grounds. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

BERKELEY, Alameda Co., Calif.—Following is a complete list of the bids received by Regents of the University of California, Berkeley, for:
 (a) Central Heating Plant Bldg.;
 (b) Utility Tunnel Connection;
 (c) Combined proposals on items (a) and (b) on the campus of the University of California.
 E. T. Lesure, 87 Ross Circle, Berkeley, (a) \$48,840; (b) \$5,095; (c) \$53,285.

H. K. Henderson, Oakland (a) \$48,989; (b) \$4,915; (c) \$53,589.
 Sullivan & Sullivan, Oakland, (a) \$48,998; (b) \$4,800; (c) \$53,548.
 J. B. Petersen, (a) \$49,585; (b) \$5,214; (c) \$54,599.
 J. W. Cobby & Son, San Francisco, (a) \$51,000.
 Dinwiddie Const. Co., San Francisco (b) \$48,990.
 Bids held under advisement until April 8, 1930.

CALWA, Fresno Co., Cal.—Santa Fe Railroad will shortly let contracts to construct two new icing docks, each 1250 ft. long at the Calwa icing plant. Construction will involve more than 250,000 cu. ft. of lumber.

BURLINGAME, San Mateo Co., Cal.—Until March 24, 8 P. M., bids will be received by W. H. Eddy, clerk, Burlingame Elementary School Dist., for approximately 12,000 cubic yards of excavation and grading school site and playground areas for Herbert Hoover School at Canyon Road and Summit Drive and for construction of retaining walls, gutters, drains and other work appurtenant thereto. Plans obtainable from James S. James Corporation, Ltd., 205 Park Road, Burlingame. Deposit of \$5 required for plans, returnable. Certified check 10% payable to district required with bid.

Taking Bids.
MAUSOLEUM Cost, \$250,000
LOS ANGELES, Cal. 6000 Santa Monica Blvd.
 One- and part two-story class A mausoleum (650 crypts & 20 family rooms).
 Owner—Hollywood Cemetery Association, Hollywood.
 Architect—Marston & Maybury, 25 S Euclid Ave., Pasadena.

Preliminary Plans Being Prepared.
AMUSEMENT CENTER Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal. Adjoining Municipal Wharf.
 Amusement center (1st unit comprises casino, bath house and plunge).
 Owner—John Tait et al, San Francisco
 Architect—L. D. Esty, Alta Bldg., Santa Cruz.
 Mr. Esty is preparing plans for the first unit only.

BAKERSFIELD, Kern Co., Cal.—Architects Symmes & Cullimore, Habersfelde Bldg., have been commissioned by the Kern County Supervisors to prepare plans for a portico to be added to the cafe building at the Kern County airport.

SAN FRANCISCO—Link Belt-Meesse and Gottfried Co., 3100 19th St., at \$44,612 awarded contract by Board of Public Works to furnish and deliver a portable gravel plant for the Coast Range Division of the Hetch Hetchy Project, under Contract No. 121.

SAN FRANCISCO—Until April 21, 3 P. M., under Proposal No. 564, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish under Class 7, hardware and castings and under Class 11, lumber, as required by the city from time to time during the semi-annual term commencing July 1 and ending Dec. 31, 1930. Specifications and further information obtainable from above.

SAN FRANCISCO—Until March 26, 230 P. M., bids will be received by Veda B. Young, Secretary, City Playground Commission, 376 City Hall, to furnish and install plumbing and heating at Rochambeau Playground in area bounded by 24th and 25th Aves. California and Lake Sts. Certified check 10% payable to secretary required with bid. Plans on file in office of secretary.

SAN FRANCISCO—Until April 7, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver, as may be ordered during the tri-annual term commencing May 1 and ending August 31, 1930: linseed oil, shellac, turpentine, lead, litharge, mineral brown and putty. Specifications and further information obtainable from above.

Bids Opened.
REPAIRS Cost, \$—
SAN FRANCISCO. Marina District.
Repairs to Palace of Fine Arts.
Owner—City and County of San Francisco (Park Commission, B. P. Lamb, Secretary).
Engineer—Henry D. Dewell, 55 New Montgomery St., San Francisco.
Monks Bros., 375 6th St., S. F., \$26,486
Frank J. Reilly, S. F. 28,352
Clinton Stevenson Constr. Co.,
San Francisco 30,181
C. W. Haun, San Francisco 31,640
Jacks & Irvine, 74 New Montgomery St., S. F. 36,848
J. A. Bryant, San Francisco 37,600
Young & Horstmeier, S. F. 53,054

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission St., Phone KEarny 1252.

D-3426 Representation. San Francisco, Cal. Party anxious to secure Eastern or local concern to represent over entire Pacific Coast territory.

D-3427—Representation. Richmond Hill, N. Y. Firm desirous of securing the service of an up-to-date live wire man to represent them in this city, on a commission basis. They manufacture architectural bronze and iron and all of their work is taken on a contract basis.

D-3429 — Representative Concern. Brooklyn, N. Y. Manufacturers of metal Spanish tile shingles, desirous to contact concern which might be qualified to exploit their line among jobbers, roofers and dealers.

D-3430—Advertising. San Francisco, Cal. Experienced salesman desires to contact with firm who sells products of merit to the trade. Writes advertising copy and forceful sales letters.

D-3431—Office Supply Company. San Francisco, Cal. Concern interested in securing a high class office supply company, or individual, as distributor for their carbon papers, typewriter ribbons, etc.

D-3432—Agency. Tulsa, Oklahoma. Party anxious to contact with well established merchandise brokerage business manufacturers sales agency, with privilege of making a reasonable investment.

19031 — Wiping Rags. Wichita, Kansas. Company dealing in wiping rags wishes to communicate with importers of this commodity located here.

19033—Ship Supplies. New York City. French organization is inquiring for the names of dealers in ship supplies and in particular search lights for water craft.

19034—Colors. Bad Godesberg a. Rhein, Germany. Exporter of colors for artists wishes connection.

19035—Buying Agent. Bremen, Germany. Party desires to act as buying agent for California firms.

19036—Diesel Engines. Mannheim, Germany. Manufacturer of Diesel Engines (5.5-1500 H. P.) wishes to make a local connection.

19038—Representative. Remscheid, Germany. Manufacturer of steel for bandaging and for orthopaedists, sheets of steel, sheets of yellow metal, Duralumin, and other non-oxidizing steel for use in making supports for flat feet.

19039—Salesman. New York City. The New York office of a large German manufacturer of steel products such as beams, channels, angles, bands, etc., is seeking an individual or firm to take care of its selling interests in the San Francisco territory, and perhaps Los Angeles also.

19040—Representation. San Francisco, Cal. Party who is leaving for Europe in April wishes to represent on a commission basis local exporters or other firms who may wish to extend their trade to Germany, Switzerland and Austria.

19047—Electric Bulbs. Yokohama, Japan. Company that exports fancy electric bulbs for Christmas and show window decorations is desirous of establishing connections with local importers.

19049—Used Cars. Tokyo, Japan. Company is in the market for used Packards: 626 conv. coupe, 640 conv. coupe, 633 roadster or coupe, 733 roadster; and Lincolns (used) not older than 1928 models: coupe and conv. coupe, rumble seat preferred.

19051—Auto Replacement Parts and Accessories. Batavia, Java. Import house that has been dealing with eastern and midwestern manufacturers of auto replacement parts and accessories for the past 15 years wishes to make connections for these products on the Pacific Coast. Commercial references on file.

19052 — Cutlery, Glassware, Etc. Demerara, British Guiana. Company is in the market for enamel ware, earthenware and glassware goods, cutlery, etc.

San Joaquin Lumber Company of Stockton has been admitted to membership in the Associated Leaders of Lumber & Fuel Dealers of America. It is announced by W. H. Falconbury, president of the company.

BETHLEHEM STEEL NET INCOME DOUBLED IN YEAR

Net income of the Bethlehem Steel Corporation, which recently acquired three plants on the Pacific coast, was \$42,242,950 in 1929, or more than double the income during 1928, according to the annual report to stockholders issued by Charles M. Schwab, chairman of the board of directors. This net was arrived at after allowing more than \$11,000,000 for interest charges, and more than \$14,000,000 for depreciation and depletion.

Gross sales for the year were also far above those of 1928, Chairman Schwab reported. Sales in 1929 totaled \$342,516,207 and the gross orders booked amounted to \$369,536,888, or more than \$80,000,000 in excess of 1928.

After provision was made for preferred stock dividends of \$7,000,000 and common stock dividends of \$15,600,000, the surplus amounted to \$13,642,950. Earnings on preferred dividends were equivalent to \$19.50 per share on the 1,800,000 shares of common stock outstanding at the beginning of the year and \$15.50 per share on the average number of shares of common stock outstanding during the year.

Between December 31, 1928, and February 1, 1930, Bethlehem paid or retired by purchase or redemption \$33,569,977 of its funded debt out of \$199,421,172 outstanding at the end of 1928.

Current assets of the company, as of December 31, 1929, were \$228,171,775, as against current liabilities of \$48,926,119, or a ratio of 4.6 to 1.

RUSSIAN COMPETITION REDUCES SWEDISH LUMBER PROFITS

Competition from abroad, particularly from Russia, resulted in a reduction of prices on lumber manufactured in Sweden in 1929, according to a report from Consul H. C. Struve to the Lumber Division of the Department of Commerce. Mills preferred to reduce prices rather than to keep the lumber in stock for future sales.

Russian competition was encountered, not only in foreign markets, but also in shipments of pulpwood from Russia into Swedish districts which already have an ample local supply of timber for the industries existing there at present. Inasmuch as lumber and pulp operations are usually carried on by the same concerns, this latter phase of Russian competition is of vital importance to the Swedish lumber industry.

According to Consul Struve, Swedish lumber shipments during 1929 were larger but prices were lower than since 1915.

ENGINEERS MEET IN DETROIT JUNE 9 TO 12

The Professional Divisions of The American Society of Mechanical Engineers have developed a splendid technical program for the Detroit Semi-Annual Meeting, to be held at the Book-Cadillac Hotel, June 9 to 12.

The program will contain twenty-one technical sessions. The Divisions that have planned sessions are the following:

Applied Mechanics, Machine Shop Practice, Printing Industries on paper and pulp, Wood Industries, Management, Materials Handling, and Aeronautics, with a symposium on "Air Transportation."

Engineering News Section

BRIDGES

REDWOOD CITY, San Mateo Co., Calif.—April 14 is date set by city council to construct culverts in various sections of the city.
W. A. Price, city clerk. C. L. Dimmitt, city engineer.

REDWOOD CITY, San Mateo Co., Calif.—April 14 is date set by city council to vote bonds of \$34,000 to finance construction of concrete bridges within the city limits.
W. A. Price, city clerk. C. L. Dimmitt, city engineer.

SAN JOAQUIN COUNTY, Cal.—Jacobs & Pottiani, 337 17th St., Oakland, at \$48,875, awarded contract by state Highway Commission to construct four reinforced concrete girder bridges between Lodi and Stockton: one across Calaveras river, consisting of three 34-ft. spans; one across Mother creek, consisting of three 27-ft. spans; one across Bear creek, consisting of three 30-ft. spans, and one across Live Oak creek, consisting of two 30-ft. spans. Project involves: 750 cu. yds. rdwy. excav. (detours); 115 cu. yds. struc. excav.; detour ridges, complete; remove existing bridges; 275 tons crusher gravel on road (detour surfacing); 1468 cu. yds. class A cem. conc.; 31 cu. yds. class E lin. conc.; 240,000 lbs. reinf. steel; 140 lbs. phosphor bronze expansion lugs; 1 lot miscellaneous items of ork.

SAN JOSE, Santa Clara Co., Cal.—City Engineer Wm. Popp making surveys for four bridges to be constructed during the current year, two in ark Ave., one over Los Gatos creek and another over Guadalupe creek. Third structure will link West Virginia St. and Home St. and the fourth will replace a wooden structure over uadalupe creek in Auzerals St.

MARTINEZ, Contra Costa Co., Cal.—Bids will be asked at once by county supervisors to construct concrete iver in Buchanan St. in vicinity high school at Pittsburg; estimated st \$2,625. R. R. Arnold, county suror.

MARIN COUNTY, Calif.—Following is received March 19 by State Highway Commission to construct an oved road crossing over the tracks of the Northwestern Pacific Ry. at Forbes ildon, consisting of one 46-ft. steel m span, and 190-ft. timber trestle pple bents:
cca & Coletti, San Rafael.....\$16,170
T. Howe, Santa Rosa.....17,052
L. Proctor, Santa Rosa.....17,919
B. McGowan, San Francisco 19,725
derickson-Watson Co., Oak-land.....19,963
aly-Thibault Const. Co., San Francisco.....21,365

DREDGING, HARBOR WORKS & EXCAVATIONS

TOCKTON, San Joaquin Co., Cal.—Longview Dredging Co., First Natl Bank Bldg., Oakland, at \$0.89 yd. awarded contract by U. S. Engineer Office, California Fruit r., Sacramento, for dredging 1,000 cu. yds. of material from New rk Slough and Suisun Bay.

ELLENBURG, Wash.—See "Government Work and Supplies," this issue. Bids wanted for earthwork, tunnels and structures in connection with North Branch Canal, Kittitas Division, Yakima project.

SAN DIEGO, Cal.—City Manager F. M. Lockwood has reported to the city council that a bulkhead on the Mission Beach frontage of Mission Bay and a dam at the inlet of the bay would cost approx. \$286,000. The bulkhead cost alone would be \$180,600. The dam would provide sufficient depth to float small craft on the bay at all times. The proposed bulkhead would be of reinforced concrete piling, with six-foot walls and balustrade, and built in two sections, viz.: north section, 6000 ft. long, costing \$114,000; and the south section, 500 ft. long costing \$66,600.

IRRIGATION PROJECTS

NYSSA, Ore.—Owyhee Irrigation District, bids opened March 11, report the following as low bidders in connection with concrete-lined tunnels, roads and distributing system of the Owyhee project in Oregon and Idaho: First alternate schedules 1 to 4, no awards made.

Schedule No. 5, F. E. Connolly, San Francisco, \$982,566.

Schedules 6 and 7, J. F. Shea Co., Portland, \$1,569,911.20.

Schedule 8, S. Magoffin Co., North Vancouver, B. C., \$530,684.

Schedule 9, General Constr. Co., Seattle \$7916.

Eleven bids were submitted.

The work involves furnishing labor and materials and performing all work for the construction of concrete-lined tunnels and roads for the distribution system of the Owyhee project, Oregon and Idaho. The work is located near Nyssa, Ore., on the Oregon Short Line Railroad. The work consists of the construction of 2 14-ft. by 0-in. diameter tunnel, 13,722 ft. long, and a 9 ft. by 4 in. diameter tunnel, 33,307 feet long; or a 16 ft. by 7 in. diameter tunnel 13,722 ft. long, and a 9 ft. by 3 in. diameter tunnel 21,920 ft. long, and appurtenant roads and structures. The principal items and the maximum quantities involved are as follows: (1) 280,000 cu. yds. of all classes of tunnel excavation; (2) 114,000 cu. yds. of all classes of excavation other than tunnel excavation; (3) 23,000 tons of concrete in tunnel lining; (4) 1600 cu. yds. of pressure grouting; (5) laying 600 lin. ft. of 12-in. and 18-in. corrugated metal pipe; (6) constructing 52,000 lin. ft. of tunnel and outlet closed drains; (7) furnishing and erecting 330 M ft. b. m. timbering in tunnels; (8) furnishing and erecting 209,000 pounds structural steel in tunnels.

TURLOCK, Stanislaus Co., Calif.—Until Apr. 7, 3 P. M., bids will be rec. by Anna M. Sorensen, secretary, Turlock Irrigation District, for construction in Improvement District No. 3-A, involving:

Schedule No. 1.

Section No. 1. Consisting of approximately 32,344 sq. ft. of 2-inch thick concrete canal lining.

Schedule No. 2.

Consisting of approximately 40 lin.

ft. of reinforced 30-in. diameter concrete pipe.

Certified check 5% payable to district required with bid. Plans obtainable from R. V. Meikle, chief engineer.

YUBA City, Sutter Co., Cal.—Engineer Milo Williams has submitted preliminary estimates of cost to committee seeking formation of the Sutter Irrigation District, comprising 22,000 acres in the peach belt: (costs noted are based "per acre")

Main canal, carrying 275 to 300 second feet.....	\$10.40
Concrete pipe lines to each owner	22.55
Rights of way.....	3.60
Overflow reservoirs	2.00
Drainage outlet	1.00
Auxiliary pump, Feather river.....	3.00
Pumping plants on canal.....	2.60

Total

Plus 10 per cent for engineering, management, attorney fees and other expenses.....\$ 4.52

Grand total

STREET LIGHTING SYSTEMS

TRACY, San Joaquin County, Cal.—Butte Electric & Manufacturing Co., 555 Folsom St., San Francisco, at \$11,955 awarded contract by city council (31) to install ornamental street lighting system, comprising 63 single light standards, together with underground system, in 11th St., bet. west boundary of West Park subdivision and East St.

SAN FRANCISCO.—Board of Supervisors by a vote of 12 to 4 authorize that one-third of the 700 lighting standards to be installed along new boulevards shall be manufactured of concrete and two-thirds of metal. Open specifications will be prepared by City Engineer M. M. O'Shaughnessy, providing for five types of standards as follows: Cast iron, concrete, bronze and concrete, all steel and taper tube metal.

REDWOOD CITY, San Mateo Co., Cal.—Petitions are being circulated for presentation to the city council for single-lamp electroliter standards in Brewster, Broadway and Hopkins Sts., as far west as Jeter St. Proceedings have already been started by the city council for extension of the electroliter system (2-light standards) in Broadway and Brewster Sts., west of El Camino Real as far as Birch St. C. L. Dimmitt is city engineer.

MACHINERY AND EQUIPMENT

SELMA, Fresno Co., Cal.—Trustees of the Selma Union High School District will provide funds in the 1930-31 budget to finance purchase of additional equipment for the school shop departments.

SACRAMENTO, Cal.—H. V. Carter Co., Sacramento, at \$744.40 awarded contract by city council to furnish tractor for use on municipal golf course.

SAN FRANCISCO—Until March 31, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, under Proposal No. 570, to furnish and deliver 200 rolled steel car wheels, diameter 34 inches, for Municipal Railway System. Specifications and further information obtainable from city purchasing agent.

SAN FRANCISCO—Link Belt-Meesse and Gottfried Co., 3100 19th St., at \$44,612 awarded contract by Board of Public Works to furnish and deliver a portable gravel plant for the Coast Range Division of the Hetch Hetchy Project, under Contract No. 121.

HAWTHORNE, Nevada—Until April 9, under Specification No. 6111, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for laundry equipment, washer, extractor tumbler ironer, presses, ironing boards, etc., at the naval ammunition depot, Hawthorne, Nevada; deposit of \$10 required for plans obtainable from above.

SIERRA MADRE, Los Angeles Co., Cal.—Until 5 P. M., March 31, bids will be received by the city council for gasoline motor-driven truck having a capacity of $\frac{1}{2}$ tons, four speed transmission (4 forward and 1 reverse), four wheel mechanical brakes; spiral bevel gear rear axle; dual rear wheels; provision for power take off; 13 $\frac{1}{2}$ -in. wheel base; stake body and closed cab; over all chassis dimensions of 74 $\frac{1}{2}$ inches by 18 $\frac{1}{2}$ inches. Specifications obtainable from E. A. Green, city clerk.

SACRAMENTO, Cal.—Until April 1, 11 A. M., under Order No. 1692-1685, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish and deliver one motor-generator electric arc welding set, for two individual welding circuits, each with a capacity of 400 amperes, variable voltage and the equipment necessary for two operators. Further information obtainable from above office.

OAKLAND, Cal.—J. E. French Co., Oakland, awarded contract by East Bay Municipal Utility District to furnish one 1 $\frac{1}{2}$ -ton Dodge Bros. truck chassis.

VALLEJO, Solano Co., Cal.—Until March 29, 11 A. M., bids will be received by Alf. E. Edgcombe, city clerk, to furnish two light trucks with pick-up bodies, delivered to Municipal Corporation Yard. Cert. check 10% payable to city required with bid. Specifications obtainable from T. D. Kikenny, city engineer.

RAILROADS

SAN FRANCISCO—Until March 31, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, under Proposal No. 570, to furnish and deliver 200 rolled steel car wheels, diameter 34 inches, for Municipal Railway System. Specifications and further information obtainable from city purchasing agent.

STOCKTON, San Joaquin Co., Cal.—Southern Pacific R. R. has filed application with Interstate Commerce Commission seeking authorization to construct an extension of the line at the intersection of Los Angeles Ave. and the Borden Highway near the west city limits of Stockton westerly to the east bank of Burn's Cut-off, a distance of 3.693 miles.

HOLTVILLE, Imperial Co., Cal.—Southern Pacific Co. will start work about April 15 on construction of the rail extension from Sandia to Holtville. The present line will be extended three miles, paralleling the paved highway between these points. Rails to be laid include 80 and 90-lb. stock. Estimated cost, about \$200,000. A crew of 150 men will be used.

FIRE ALARM SYSTEMS

OAKLAND, Cal.—Until March 27, 12 noon, bids will be received by Frank C. Merritt, city clerk, to furnish and install combined automatic and manual telephone switchboard for fire alarms at central station. Est. cost \$8500. Plans on file in office of clerk.

SALINAS, Monterey Co., Cal.—Acme Traffic Signal Co., Los Angeles, at \$4,349 submitted only bid to city council to furnish and install traffic signals at Main and Sausal Sts., Main and San Luis and North Main and Market Sts. Taken under advisement until April 7. Howard Cozzens, city engineer.

FIRE EQUIPMENT

CARMEL, Monterey Co., Cal.—Election will be held April 14 to vote bonds of \$15,000 to finance purchase of motor fire engine and other equipment for municipal fire department.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAUSALITO, Marin Co., Cal.—Until April 7, 8 P. M., bids will be received by W. Z. Tiffany, city clerk, to furnish street signs and standards, involving 127 standards complete and 248 porcelain enamel street signs. Certified check 10% payable to Town required with bid. Specifications on file in office of clerk.

BERKELEY, Alameda Co., Cal.—Until March 31, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia St., to furnish and deliver school supplies for school year 1930-31. Specifications obtainable from secretary.

SAN FRANCISCO—Until April 21, 3 P. M., under Proposal No. 564, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish under Class 7, hardware and castings and under Class 11, lumber, as required by the city from time to time during the semi-annual term commencing July 1 and ending Dec. 31, 1930. Specifications and further information obtainable from above.

SAN FRANCISCO—Until April 7, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver as may be ordered during the tri-annual term commencing May 1 and ending August 31, 1930: linseed oil, shellac, turpentine, lead, litharge, mineral brown and putty. Specifications and further information obtainable from above.

SAN JOSE, Santa Clara Co., Cal.—Until April 8, 8 P. M., bids will be received by Walter L. Bachrodt, secretary, Board of Education, to furnish and deliver not less than one carload of chainlink fencing material. Specifications obtainable from secretary.

BAKERSFIELD, Kern Co., Cal.—Until April 10, 730 P. M., bids will be received by Florence E. Porter, Secretary, Bakersfield School District, to furnish supplies for school year ending June 30, 1931. Specifications obtainable from secretary at 1660 K St., Bakersfield.

SANTA ANA, Orange Co., Cal.—Until 730 P. M., March 31, bids will be received by the city council for the furnishing of the following cast iron water pipe:

- (1) 15,000 lin. ft. of 4-in. diameter cast iron pipe;
- (2) 11,100 lin. ft. of 6-in. diameter cast iron pipe;
- (3) 4500 lin. ft. of 8-in. diameter cast iron pipe;
- (4) 3000 lin. ft. of 10-in. diameter cast iron pipe;
- (5) 6300 lin. ft. of 12-in. diameter cast iron pipe.

Certified check or bond, 10%. E. L. Vegely, city clerk.

RESERVOIRS AND DAMS

ANTIOCH, Contra Costa Co., Cal.—Until March 31, 8 P. M., bids will be received by J. E. McElheney, town clerk, to enlarge municipal reservoir 2 $\frac{1}{2}$ miles south of Antioch. Certify check 10% payable to Town Clerk required with bid. Plans on file in office of clerk. E. L. O'Hara, city eng.

PIPE LINES, WELLS, ETC.

CALIFORNIA—Coast Counties Gas & Electric Co. has withdrawn application filed with State Railroad Commission seeking authorization to construct a natural gas transmission line from Kettleman Hills oil field to Richmond, Contra Costa County.

WILMINGTON, Los Angeles Co., Cal.—Southern Counties Gas Co. will start work at once on a gas main to serve Wilmington and Terminal Island, in the neighborhood of the Fox plant. Estimated cost, \$32,000.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipment;
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SAN FRANCISCO

SAN LUIS OBISPO, Cal.—Producers Pipe Line Co. has started construction of a pipe line from the Kern County oil fields to Port San Luis paralleling its present line which was built 20 years ago. The work will cost about \$1,000,000. The Producer's Pipe Line Co. is owned by the Union Oil Co.

SEWERS AND SEWAGE DISPOSAL PLANTS

REDWOOD CITY, San Mateo Co., Calif.—April 14 is date set by city council to vote bonds of \$5,000 to finance construction of storm sewers in various streets.

FRESNO, Fresno Co., Cal.—Until April 4, 2 P. M., bids will be received by D. M. Barnwell, county clerk, to construct sewer connecting Fresno County General Hospital with city sewer system, involving: 8926 ft. 12-in. and 334 ft. 6-in. sewer pipe and 15 manholes. Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from County Surveyor Chris. P. Jensen, Holland Bldg., Fresno.

SAN FRANCISCO.—Bureau of Engineering of the Department of Public Works is preparing plans for the following sewer projects to be financed from bond issue funds:

College Hill tunnel sewer, extending from the Mission viaduct to Valencia and Army Sts., \$300,000.

Fillmore Street main sewer, section "B" to be laid in 10th and Fell Sts. from Harrison St. to Van Ness Ave., \$105,000.

Fillmore St. main sewer, section "D," extending from Laguna and Grove Sts. to Turk and Steiner Sts., \$30,000.

Fillmore St. main sewer, section "C," extending from Fell Street and Van Ness Ave. to Laguna and Grove Sts., \$80,000.

Geary street and 23rd Ave. sewer, extending from 27th Ave. and Geary St. to 23rd Ave. and Lake St., \$71,000.

STEKE, Contra Costa Co., Cal.—Until March 27, 8:30 P. M., bids will be received by John Sandvick, secretary, Stege Sanitary District, to construct sewers in Block M of Berkeley Park, under Improvement Plan No. 11, involving:

- 311 ft. 6-inch vitrified sewer pipe;
- 52 ft. 4-inch vitrified sewer pipe;
- 2 manholes;
- 2 lampholes.

Certified check 10% payable to district required with bid. Plans obtainable from Ross L. Calfee, district engineer, 322 Arlington Ave., Berkeley.

CARPINTERIA, Santa Barbara Co., Cal.—F. L. Johnson, consulting engi-

neer, 23 W. Figueroa St., Santa Barbara, has announced that bids will be asked within the next few weeks for the construction of the Carpinteria sewer system. Bids will probably be asked for in three contracts, viz.: Laying of the sewer mains and collecting systems, another for the ocean outfall and the third for the pumping plant and sump. The ocean outfall will be 2500 ft. in length. Bids will probably be asked separately for the sewer pipe. The total estimated cost is \$90,000.

SEBASTOPOL, Sonoma Co., Cal.—Until April 7, bids will be received by city council to construct sewage disposal plant for which bonds of \$22,000 have been voted to finance. Plans obtainable from C. E. Mueller, city engineer.

GALT, Sacramento Co., Cal.—Until March 29, bids will be received by Galt Sanitary District to construct sewer system, pumping plant and sewage disposal works. Plans obtainable from the secretary at the district at Galt.

WATER WORKS

NODESTO, Stanislaus Co., Calif.—Until March 26, 7:30 P. M., bids will be received by H. E. Gragg, city clerk to furnish and deliver:

- 1,125 ft. 2-in. galv. pipe;
- 105 ft. 2½-in. galv. pipe;
- 155 ft. 1½-in. galv. pipe;
- 265 ft. 1¼-in. galv. pipe;
- 580 ft. 1-in. galv. pipe;
- 1,800 ft. ½-in. galv. pipe.

Bids will also be considered for a miscellaneous supply of fittings as more fully described in the official proposal.

Certified check 10% payable to May. or of city required with bid. Frank Rossi, city engineer.

CALISTOGA, Napa Co., Cal.—Town trustees have taken under advisement prices offered on 4-in. pipe and fire hydrants. Those submitting prices were: Peerless Plumbing Supply Co., Tay-Holbrook, Inc., Crane Co., and Grinnel Co. of the Pacific.

ARCADIA, Cal.—At an election March 11 the city rejected a proposal to issue bonds of \$200,000 to finance water improvements and extensions to system.

ST. HELENA, Napa Co., Calif.—De Golyer and Bruce, Federal Telegraph Bldg., Oakland, at \$3,109 submitted low bid to the town trustees to replace certain water mains with bell and spigot cast iron pipe and fittings and to replace all household meter connections with new pipes and valves, together with new connections for future uses, in Madrona Ave., Adams

and Spring Sts., Oak Ave. and Pope St. Other bids: Harry Thoren, St. Helena, \$3,619; F. Myers, Richmond, \$4,735. Taken under advisement.

Wane c. i. pipe at \$1,432.35.

FRESNO, Fresno Co., Cal.—E. W. Redmond has been awarded a contract by the county supervisors at 35c ft. to install 4500 ft. of water piping at the Wish-1-Ah Sanitarium near Aubrey.

ORLAND, Glenn Co., Cal.—Until April 7, 8 P. M., bids will be received by E. W. Parlin, town clerk, to furnish and deliver f. o. b. Orland:

- 100 ft. cast iron 6-in. soil pipe;
- 770 ft. cast iron 4-in., 12 or 18 ft. lengths;
- 5 4-in. cast iron gate valves.

- 1 cross cast iron 8x8x4x4;
- 2 3-in. cast iron plugs;
- 3 4-in. cast iron tees;
- 3 Greenburg 4-in. hydrants with 24-in. burries;
- 1 4-in. plug topped for 2½-in. pipe.

Early delivery is desired. Further information obtainable from clerk.

PLAYGROUNDS & PARKS

MARYSVILLE, Yuba Co., Calif.—Yuba-Sutter Post, American Legion, plans to grade 6-acre area for playground purposes. It is proposed to start the improvements this month.

STREETS AND HIGHWAYS

MONTEREY, Monterey Co., Cal.—Until April 1, 7 P. M., bids will be received by Clyde A. Dorsey, city clerk (2940) to improve Camino Bienvenida and Via Mirada, involving 2½-inch asphalt conc. pave on existing macadam base and Copa Del Oro, involving grading; 2½-in. asphalt conc. base pave, with 1½-in. asphalt conc. surface, conc. curbs and gutters, 5 catchbasins with 12-in. pipe connections. 1911 Act. Bond Act 1915. Cert. check 10% payable to city required with bid. Plans on file in office of clerk.

SALINAS, Monterey Co., Cal.—Until March 23, 10 A. M., bids will be received by C. F. Joy, county clerk, to construct Salinas-Monterey road from Salinas to Hilltown, in Supervisor District No. 2. Plans obtainable from County Surveyor Howard Cozens.

SALINAS, Monterey Co., Cal.—Until March 23, 10 A. M., bids will be received by C. F. Joy, county clerk, to grade and surface portions of San Miguel Canyon road in Supervisor District No. 1. Plans obtainable from County Surveyor Howard Cozens.

MARTINEZ, Contra Costa Co., Cal.—Until March 29, 10 A. M., bid will be received by R. L. Boyer, clerk, Alhambra Union High School District, to grade school site for Martinez Junior High School in the Brown Tract. Certified check 10% payable to clerk of district required with bid. Specifications obtainable from R. R. Arnold, county surveyor at Martinez.

REDWOOD CITY, San Mateo Co., Calif.—April 14 is date set by city council to vote bonds of \$9,000 to finance opening and paving of Warwick Street.

ANAHEIM, Orange Co., Cal.—Until 8 P. M., April 8, bids will be received by the city council to improve South Palm St. from West Broadway to Vermont Ave., involving 6-in. asphalt conc. pavement, curb, walk, gutter, 6-inch class A conc. driveways and approaches, corr. iron pipe water ways, gas service lines, etc. 1911 Act. Edw. B. Merritt, city clerk, E. P. Hapgood, city eng. Est. cost \$43,000.

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SAN JOSE, Santa Clara Co., Cal.—Until March 23, 8 P. M., bids will be received by John J. Lynch, city clerk, (5024) to improve Fifteenth street, between Taylor and Mission streets, involving grading; 1½-in. asph. conc. surface pavement on 3-in. asph. conc. base.; conc. curbs, gutters and walks; 4-in. vit. pipe house lateral sewers. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city engineer.

SACRAMENTO, Cal.—Fred J. Klaus of Berkeley formerly connected with the East Bay Water Co. (Oakland), has been named city engineer of Sacramento, succeeding B. C. Clark, resigned.

CLARK COUNTY, Nevada.—Until March 26, 2 P. M., bids will be received by State Highway Commission, Carson City, to improve state highway from Crystal to West Slope of Mormon Mesa, a distance of 20.22 miles, involving grading; structures and gravel surfacing. Certified check 5% required with bid. Plans obtained from S. C. Durkee, state highway engineer, on deposit of \$15, of which \$10 is returnable.

SANTA ROSA, Sonoma Co., Cal.—Until March 31, 12 noon (to be opened 1:30 P. M.) bids will be received by Geo. P. Sanborn, county clerk, for asphaltic oil surfacing on roads in Third Supervisorial District, involving:

- 5,000 tons crushed rock;
- 3,600 yards pea gravel;
- 800 tons heavy oil;
- 2,400 bbls. light oil.

Roads to be oiled in the Third Supervisorial District involve 33.9 miles as per 1929 and 1930 budget and Hill and Crown Roads in First Supervisorial District, total 10 miles. E. A. Peugh, county surveyor.

BURLINGAME, San Mateo Co., Cal.—Until March 24, 8 P. M., bids will be received by W. H. Eddy, clerk, Burlingame Elementary School Dist., for approximately 2,000 cubic yards of excavation and grading school site and playground areas for Herbert Hoover School at Canyon Road and Summit Drive and for construction of retaining walls, gutters, drains and other work appurtenant thereto. Plans obtainable from James S. James Corporation, Ltd., 205 Park Road, Burlingame. Deposit of \$5 required for plans, returnable. Certified check 10% payable to district required with bid.

TRACY, San Joaquin Co., Cal.—J. E. Johnston, E. and Weber Sts., Stockton, at \$104,369.49 awarded contract by city council to improve portions of W. 10th St., E. 10th St., W. 9th St., E. 9th St., W. 8th St., E. 8th St., W. 7th St., E. 7th St. and other streets. Project involves: \$20,000 sq. ft. grading; 745,000 sq. ft. 3-in. asph. pavement; 33,400 lin. ft. curb and gutter; 600 sq. ft. sidewalk; 1700 lin. ft. valley gutter; 1100 lin. ft. single curb; 2100 lin. ft. single gutter; 1700 lin. ft. water services; 1700 lin. ft. sewer services. Complete list of bids follow:

J. E. Johnston, Stockton.....	\$104,369
Peninsula Paving Co., S. F.....	107,509
Union Paving Co., S. F.....	111,989
Osborn Co., S. F.....	121,459
Teichert & Sons, Sacramento.....	122,484
Heafey-Moore Co., Oakland.....	122,645
A. G. Ralsch, San Francisco.....	127,762
Irving Ryder, San Jose.....	130,834

PORTLAND, Ore.—L. H. Hoffman, Public Service Bldg., Portland, at approximately \$128,850 submitted low bid to the City Purchasing Agent to construct the Penn Street approach

to the Port of Portland airport. J. F. Shea, Portland, next low at \$138,846.

LONG BEACH, Cal.—Until 2 P. M., April 1, bids will be received by the city council for street work under 1911 act as follows:

- Alley east of Claremont Ave. bet. Ocean Blvd. and 2nd St. (1) grading; (2) 25,645.77 sq. ft. 6-in. conc. paving; (3) 6½ 1/2 water services; (4) 63 connecting sewers; (5) 69 ½-gas services. Anaheim St. bet. west city limits and Daisy Ave., involv.: (1) grading; (2) 13,796.63 sq. ft. 10-in. conc. pave.; (3) 916.25 sq. ft. gutter; (4) 1103.17 ft. curb; (5) 163.46 ft. armor; (6) water mains; (7) 1 standard No. 2 catch-basin; (8) 8 ft. 12-in. cem. pipe; (9) ornam. lights (Marbelite). Plans on file in office of city clerk.

COMPTON, Los Angeles Co., Cal.—City council rejects bids received to improve streets west of Compton Ave., involving in the main 347,000 sq. ft. grading; 301,000 sq. ft. 5-in. concrete pavement; c. i. water mains, etc. New bids will be asked. Geo. H. Oswald, Los Angeles, previous low bidder at

WILLOW GLEN, Santa Clara Co., Cal.—Town trustees declare intention (48) to improve portions of Willow Glen Way, involving grading; 2-in. Durite asph. conc. surface pavement on 3-in. asph. conc. base; cem. conc. curbs, walks, gutters; corrug. galv. iron culverts. 1911 Act. Bond Act 1915. Hearing March 31. Dana Thomas, city clerk.

BURBANK, Los Angeles Co., Cal.—Until 7:30 P. M., April 1, new bids will be received by the city council for improving Riverside Drive (west half), between Taft Ave. and Catalina St., involving:

- 330,559.23 sq. ft. grading;
- 131,724.98 sq. ft. asph. conc. paving;
- 556.67 ft. curb;
- Water system.

Bids opened Feb. 25 were rejected March 11. Plans on file in office of city clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—City council declares intention (457-C) to improve portions of Laurel and Jessie Sts. and East Cliff Drive, involving cement conc. paving, curbs, walks, driveway approaches; vit. clay pipe main sewer with wyee; brick manholes; vit. clay pipe sewer laterals; wrought iron water pipe services; cem. conc. meter boxes; corrug. iron pipe drains, etc. 1911 Act. Hearing March 31. S. A. Evans, city clerk. Roy Fowler, city engineer.

SANTA ROSA, Sonoma Co., Cal.—Until March 31, 12 noon, to be opened 1:30 P. M.) bids will be received by George P. Sanborn, county clerk, for asphaltic oil surfacing on roads in Second Supervisorial District, 6¼ miles in length, comprising Magnolia avenue, 1 mile; Skillman and Thompson Lanes, 2 miles and Washoe House Road, 3¼ miles, involving:

- 1000 tons crushed rock;
- 650 tons screenings;
- 130 tons heavy oil;
- 379 bbls. light oil.

Specifications obtainable from County Surveyor E. A. Peugh at Santa Rosa.

SAN JOAQUIN COUNTY, Cal.—T. M. Morgan Paving Co., Edwards-Wilkey Bldg., Los Angeles, at \$251,562 awarded contract by State Highway Commission to grade and pave with cem. conc. 6.9 miles bet. Cherokee Station and Harney Lane. Project involves: remove 436 trees; 47,800 cu. yds. rdwy. excav. without

class; 33,400 cu. yds. imp. borrow; 34,500 cu. yds. imp. selected material; 44,200 sta. yds. overhaul; 3060 cu. yds. struc. excav.; 9200 cu. yds. salvaged macadam (subbase and borders); 2000 tons untreated crushed gravel or stone surfacing; 100 M gals. water applied to surf.; 19,840 sq. yds. subgrade for pave.; 1610 cu. yds. cushion course; 61 cu. yds. class A cem. conc. (struc.); 15,000 cu. yds. class A cem. conc. (pave.); 383,000 lbs. bar reinf. steel (pave and struc.); 222 lin. ft. 12-in. 2144 lin. ft. 18-in., 1003 lin. ft. 24-in. and 20 lin. ft. 30-in. corrug. metal pipe; 1339 lin. ft. corrugated metal pipe (clean and relay); 240 lin. ft. solid timber guard rail; 4.6 mi. new property fences; 9.2 mi. moving and reset property fences; move and reset 21 conc. headwalks; 2180 bbls. fuel oil (shoulders); 362 sta. finish rdwy.; 77 monuments. The state will fur. corrug. metal pipe, drainage gates and cast steel frames and covers for drop inlets.

MENLO PARK, San Mateo Co., Cal.—Until April 2, 8 P. M., bids will be received by Fannie I. Kurtz, city clerk (23-1) to improve portions of College Ave. and Cambridge Ave., involving grading; comb. hyd. conc. curbs and gutters; pave with 3-in. asph. conc. surface on 4-in. waterbound macadam base; 4-in. vit. pipe sewer laterals; hyd. cem. conc. storm water sewer. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Geo. A. Kneese, Courthouse, Redwood City, engineer.

SACRAMENTO, Cal.—John W. Hugard, Sacramento, awarded contract by city (2293) to improve alley bet. U and V, 25th and 26th Sts., involving c. i. drains with vit. sewer connections, construct vit. sewers; reconstruct; grade; 1-in. water main connections; hyd. concrete paving.

HILLSBOROUGH, San Mateo Co., Cal.—Town trustees declare intention (30-1) to improve Ranelagh Road bet. El Cerrito Ave. and SW boundary of city of San Mateo; Ericson Road from Roblar Ave. to pavement in Ranelagh Road, etc., involving grading; 3-inch asph. conc. pavement with 3-in. asph. conc. base; hyd. cem. conc. gutters; 10-in. cem. conc. pipe storm water culvert with head walls. 1911 Act. Bond Act 1915. Hearing April 1. City will pay \$1,000 of total cost from treasury. John A. Hoy, town clerk. Geo. A. Kneese, engineer, Courthouse, Redwood City.

OAKLAND, Cal.—Following bids taken under advisement by City Port Commission to pave apron wharf on west side of Transit Shed No. 2, Outer Harbor Terminal

Western Roads Co., 28th and Poplar Sts., Oakland, for bituminous paving, \$2636.97; for Warrentite Bitulithic, \$3162.27.

Heafey Moore Co., 344 High Street, Oakland, bituminous, \$2975; Willite asphalt, \$3195; Warrentite Bitulithic, \$3195.

Hutchinson Co., 1450 Harrison St., Oakland, bituminous only, \$3390.

Bids taken under advisement.

COLUSA COUNTY, Cal.—Bids will be asked within 60 days by the State Highway Commission to construct the final link of the western half of the Talies-Ukiah Highway, approximately 15 miles in length, extending from the Brim Ranch, 10 miles west of Williams, through Salt Creek Canyon road to Bear Creek; estimated cost, \$250,000. C. H. Purcell, state highway engineer.

SAN JOSE, Santa Clara Co., Cal.—San Jose Paving Co., San Carlos and Dupont Sts., San Jose, at \$7721.51 awarded contract by city council to improve Eighteenth St., bet. Jackson and Taylor Sts., involving grading; 1½-in. asph. conc. surface on 3-in. asphalt concrete base pavement; 4-in. vit. pipe house sewer laterals; cem. conc. sidewalks.

SAN JOSE, Santa Clara Co., Cal.—A. J. Ralsch, 46 Kearny St., San Francisco, at \$11,578.84 awarded contract by city council (5013) to improve 10th St., bet. Empire and Taylor Sts., involving grading, 1½-in. asph. conc. surf. on 3-in. asph. conc. base. pavement; conc. curbs, gutters and walks; 4-in. vit. pipe house sewers.

SANTA CRUZ, Santa Cruz Co., Cal.—Thompson Bros., Santa Cruz, at \$13,576.37 awarded contract by city council (456) to improve portions of Atlantic Ave., Fourth Ave. and East Cliff Drive, involving cem. conc. pave., curbs, sidewalks; concrete driveway approaches; vit. clay pipe sewer laterals; wrought iron pipe water services, concrete meter boxes. Granite Const. Co., Watsonville, only other bidder at \$13,579.14.

SAN JOSE, Santa Clara Co., Cal.—Granite Construction Co., Watsonville, at \$15,736 awarded contract by county supervisors to improve Lawrence Station from the Kifer road to the Mountain View and Alviso roads in Supervisor District No. 4. Complete list of bids follow:

Granite Const. Co.	\$15,736
L. A. Batchelder	16,487
A. J. Ralsch	16,580
San Jose Paving Co.	15,250
U. B. Lee	18,549
O. G. Ritcheh	19,739
W. A. Donta	21,120
Surveyor's estimate	18,850

MODESTO, Stanislaus Co., Calif.—Until March 26, 7:30 P. M., bids will be received by H. E. Gragg, city clerk to furnish 5,000 barrels road oil to comply with the following specifications:

(1) Shall be a product of an asphaltic base oil and shall not have been distilled at a temperature high enough to injure the oil by burning or produce flecks of carbonaceous matter.

(2) Shall contain not less than 50% nor more than 60% of asphaltic residue having a penetration of 80 at a temperature of 70 deg. Fahrenheit.

(3) Water and sediment combined shall not exceed 2%.

Bids to be f.o.b. cars Modesto. Certified check 10% payable to Mayor required with bid. Frank Rossi, city engineer.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5045) to improve portions of Anita St. bet. Empire St. and Polhemus St., involving grading; 1½-in. asph. conc. surface pavement on 2½-in. asph. conc. base; conc. curbs, gutters; 4-in. vit. pipe house sewer laterals; 6-in. vit. san. sewers. 1911 Act. Bond Act 1915. Hearing Mar. 31. John J. Lynch city clerk. Wm. Popp, city engineer.

SAN BERNARDINO CO., Cal.—Following bids received March 19 by State Highway Commission to grade 1.9 miles between The Pass and two miles down Waterman Canyon:

H. W. Rohl Co., Los Angeles	\$100,372
J. P. Holland, San Francisco	101,757
J. V. Donnavan & Son, L. A.	103,277
Gleat & Bell, Arcadia	103,927
C. E. Willets & Son, Inc., Los Angeles	106,095
Geo. Pollock Co., Sacramento	108,812
Triangle Rock & Gravel Co., San Bernardino	115,493

O. A. Lindberg, Stockton	115,741
Sander Pearson, Santa Monica	120,789
Isbell Const. Co., Fresno	127,258
Lewis Const. Co., Los Angeles	147,808
Plerson & Dickerson, Riverside	174,352

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee, Jr., preparing plans to improve the following streets of which the city will pay \$12,300 of the total cost:

Palo Alto Ave., Middlefield Rd. to Guinda St., 1775 lin. ft.	
Hale St., Palo Alto Ave. to University Ave., 525 lin. ft.	
Dana St., Forest Ave. (Dudfield subdivision), 658 lin. ft.	
Addison Ave., Channing Ave. to Pike Ave., 913 lin. ft.	
Channing Ave., Melville Ave. to Newall Rd., 1853 lin. ft.	
Alley in Block B, 400 lin. ft.	
Embarcadero Rd., Alma St. to El Camino Real (Greer side), 1100 lin. ft.	
Santa Rita Ave., Waverly St. to Cowper St., 526 lin. ft.	
Princeton St., Cambridge Avenue to Stanford Ave., 893 lin. ft.	
Harvard St., Stanford Ave. to California Ave., 1224 lin. ft.	
Amherst St., Stanford Ave. to California Ave., 1350 lin. ft.	
Webster St., Melville Ave. to Embarcadero Rd., 1000 lin. ft.	
Pope St., Hamilton Ave. to University Ave., 515 lin. ft.	
Sherman St., Second St. to Third St., 393 lin. ft.	
Embarcadero Rd., Alma St. to High St., 345 lin. ft.	
Total	13,479 lin. ft.

The city's share of the cost of the paving will amount to the following:

Palo Alto Ave., Middlefield Rd. to Guinda St., \$6800.
Channing Ave., Melville Avenue to Newall Rd., \$2300.
Embarcadero Rd., Alma St. to High St., \$3200.

REDWOOD CITY, San Mateo Co., Cal.—City council declares intention (M-2) to improve Ebner St. from Roosevelt Ave. to Oak Ave., involv-

ing grading; cem. conc. curbs, gutters, walks. 1911 Act. Bond Act 1915. Hearing April 7. W. A. Price, city clerk. C. L. Dimmitt, city engineer.

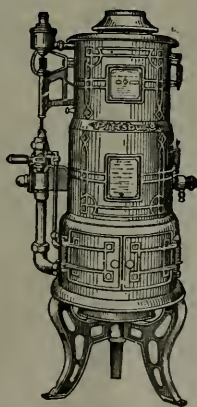
SAN LUIS OBISPO, Cal.—City Engineer L. E. Moore is completing plans to improve Santa St. from Hathaway Ave. to city limits, including portions of Fig and Stenner Sts., estimated cost \$18,000. Will involve 6-in. hyd. concrete pavement, curbs, walks.

LOS ANGELES, Cal.—Until April 23 new bids will be received by Board of Public Works to improve streets in 218th St. and Haldale Ave. Improvement District, involving grading; 235,000 sq. ft. 6-in. conc. pave.; curbs, walks, gutters; sanitary sewer; water system, etc. Dalmatin and Nikkevich previous low bidder at \$178,982; these bids were rejected.

STANDARD WIRING SPECIFICATIONS ARE PROPOSED

Maintaining that a majority of new buildings are inadequately wired for electricity and that usual wiring specifications do not allow for even a 5-year growth in lighting practice, the electrical industry is at work on a program of closer cooperation between architects and power companies.

Initial step will be the distribution of suggested wiring specifications for the guidance of architects, drawn up by the National Electric Light Association with the aid of the American Institute of Architects. In addition, several power companies are developing "lighting service departments" staffed with illuminating engineers to advise local architects. Additional cost of installing N.E.L.A. specifications is placed at about 1% of average building's cost. Sponsors claim that this move should eliminate money waste in altering wiring circuits after a building is completed. Many of New York's skyscrapers, they claim, have been found inadequately wired even before occupancy and tenants have demanded thousands of dollars' worth of alterations before moving in.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

Pittsburg Water Heater Co.

Makers of "Pittsburg Automatic"—"Bungalow Automatic"

Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland 478 Sutter St., San Francisco

SEND FOR CATALOGS

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

306	Chapin	Owner	12000
307	Fraden	Miller	2000
308	Lang	Owner	4500
309	Nelson	Owner	4500
310	Ricker	Miller	1300
311	S. F.	S. F.	7500
312	Costello	Owner	4500
313	Lacoume	Kigneau	2000
314	Janssen	Owner	8000
315	Meyer	Owner	4000
316	Meyer	Owner	24000
317	Standard	Owner	1200
318	Wagner	Kimball	12000
319	Jones	Owner	4310
320	Jordan	Owner	5000
321	Monaghan	Owner	5000
322	Bernell	Bernell	4000
323	Boura	Psychogios	2000
324	Cox	Brown	4000
325	Cox	Brown	4000
326	Filles	Graff	3000
327	Kiernan	Owner	1000
328	Lunny	Rench	9000
329	Meyer	Owner	12000
330	Rogers	Barrett	4000
331	Roth	Presco	2700
332	Stockwitz	Frachia	1000
333	Toschi	Owner	5000
334	Elkington	Owner	5000
335	Goette	Hardy	5000
336	Kambic	Owner	4200
337	La Fontaine	Cuddie	4000
338	McCarthy	Owner	4500
339	Mullane	Byrne	5875
340	Sharnan	Owner	4000
341	B. & G.	Wilhelm	7000
342	Morris	Owner	8000
343	Castelli	Deluchl	6000
344	Childress	Owner	4000
345	Fitzpatrick	Anderson	1300
346	Levy	Owner	3000
347	Meyer	Larsen	5000
348	Robinson	Owner	10000
349	St. Mary's	Johnson	5000
350	St. Mary's	Johnson	5000

APARTMENTS

(306) N CALIFORNIA 50 W Laguna; two-story and basement frame (4) apartments.

Owner—W. V. Chapin, 2002 California St.
Architect—E. E. Young, 2002 California St. \$12,000

ALTERATIONS & ADDITIONS

(307) E MISSION 70 N 18th St.; alterations and additions to furniture store.

Owner—M. Fraden, 2133 Mission St.
Architect—T. W. Lenzen, 755 Market.
Contractor—H. Miller, 666 Mission St. \$2000

DWELLING

(308) N ROCKAWAY 400 W Laguna Honda; one-story and basement frame dwelling.
Owner—Lang Realty Co., 33 Sutter St.
Architect—None. \$4500

DWELLING

(309) SE KENWOOD & FAIRFIELD; one-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, 2198 Ocean Ave.
Architect—None. \$4500

ALTERATIONS

(310) 553 DOUGLAS ST.; alterations to dwelling.
Owner—H. Ricker, 553 Douglas St.
Architect—None.
Contractor—P. Miller & Sons. \$1800

FIELD HOUSE

(311) W 24th AVE. bet. Lake and California Sts.; one-story frame field house for playground.

Owner—S. F. Playground Commission, 376 City Hall.

Architect—G. Dailey, Spring Valley Bldg.

Builder—S. F. Playground Commission \$7500

DWELLING

(312) SW COR. 17th & KIRKHAM; one-story and basement frame dwelling.

Owner—M. Costello, 821 34th Ave.
Architect—None. \$4500

RAISE & MOVE APT.

(313) 1450 CALIFORNIA ST.; raise and move apt. to front of lot.

Owner—P. Lacoume, 1450 California.
Architect—None.
Contractor—J. Vigneau, 21 Landers Street. \$2,000

DWELLINGS

(314) W 27th AVE. 195 N Anza; two-story and basement frame dwellings.

Owner—E. A. Janssen, 811 Hearst Bldg.
Architect—None. each \$4000

DWELLING

(315) W TERESITA 106 S Evelyn; 1-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr.
Architect—None. \$4,000

DWELLINGS

(316) S ROCKDALE 165 E La Bica; six 1-story and basement frame dwellings.

Owner—Meyer Bros., 727 Portola Dr.
Architect—None. each \$4000

SERVICE STATION

(317) SE 24th & DIAMOND; 1-story steel frame service station.
Owner—Standard Oil Co. of California, 225 Eush St.
Plans by Owner. \$1200

DWELLING

(318) S 27th ST. 80 W Church; two-story and basement frame dwelling.

Owner—Misses Margaret and Pearl Wagner, 264 27th St.
Plans by Builder.

Contractor—F. M. Kimball, 3730 20th Street. \$6000

DWELLING

(319) S ULLOA 122 E Fourteenth Ave. One-story and basement frame dwelling.

Owner—T. M. Jones, 643 29th Ave., San Francisco.
Architect—None. \$4310

DWELLING

(320) S ROOSEVELT 160 E Levant; One-story and basement frame dwelling.

Owner—E. E. Jordan, 618 Masonic Ave., San Francisco.
Architect—Dodge A. Riedy, 821 Market St., San Francisco. \$5000

DWELLING

(321) W GUERRERO 78 N Twenty-first St. One-story and basement frame dwelling.

Owner—J. Monaghan, 3463 21st St., San Francisco.
Architect—None. \$5000

DWELLING

(322) S FELTON 81 E Hamilton; 1-story and basement frame dwelling.

Owner—G. Bernell, 201 Hamilton.
Architect and Builder—W. F. Bernell. \$4000

ALTERATIONS

(323) 1089 SUTTER ST.; alterations to restaurant.

Owner—Boura, Mitchel & Ragis, 1089 Sutter St.
Architect—None.
Contractor—N. D. Psychogios, 471 Jessie St. \$2000

SERVICE STATION

(324) SW DIVISADERO & Fulton; one-story steel service station.
Owner—T. T. Cox, 174 Turk St.
Architect—F. W. Dakin, 625 Market.
Contractor—E. J. Brown, 438 Lawton St. \$4000

STORES

(325) S FULTON 80 W Divisadero; two 1-story frame stores.

Owner—T. T. Cox, 174 Turk St.
Architect—F. W. Dakin, 625 Market.
Contractor—E. J. Brown, 438 Lawton St. \$4000

DWELLING

(326) E SAN DIEGO 514 S De Long; one-story and basement frame dwelling.

Owner—W. O. Filles, 327 Kearny St.
Architect—None.
Contractor—H. Graff, 1379 10th Ave. \$3000

ALTERATIONS

(327) 2592 MISSION ST.; alterations to store.

Owner—Kiernan & O'Brien, 155 Montgomery St.
Architect—None. \$1000

DWELLING

(328) E UPPER TERRACE 120 N Clifford; two-story and basement frame dwelling.

Owner—J. Lunny, 1335 Filbert St.
Architect—None.
Contractor—M. C. Rench, 38 Lyon St. \$9,000

DWELLINGS

(329) S CLEMENT 82 W 41st Ave.; three 1-story and basement frame dwellings.

Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. each \$4000

Capital City Title
Company
J. C. PALEN
Manager

914 Seventh Street

Sacramento - California

DWELLING

(330) W 28th AVE. 100 N Santiago;
one - story and basement frame
dwelling.
Owner—J. W. Rogers, 1695 21st Ave.
Architect—None. \$4000

ADDITION

(331) N TOWNSEND bet. 4th and 5th
Sts.; one - story concrete and steel
addition to packing house.
Owner—Roth, Winter & Walsh, 4th
and Townsend Sts.
Plans by Owner.
Contractor—Barrett & Hilp, 918 Har-
rison St. \$10,000

ALTERATIONS

(332) 1435 FILLMORE ST.; altera-
tions to store.
Owner—C. Stockwitz, 1608 Fillmore St.
Architect—None.
Contractor—O. Presco & Sons, 55 Ster-
ling St. \$2700

ALTERATIONS

(333) 2231 CHESTNUT ST.; altera-
tions to pharmacy.
Owner—E. Toschi, 2231 Chestnut St.
Architect—None.
Contractor—Frachia & Truffelli, 2450
Chestnut St. \$1000

(334) S VICENTE 52 W 14th Ave.;

one - story and basement frame
dwelling.
Owner—G. J. Elkington, 330 Vicente.
Architect—C. F. Strothoff, 2274 15th
Street. \$5000

DWELLING

(335) W CHURCH 57 N Liberty St.;
one - story and basement frame
dwelling.
Owner—M. L. Goette, 824 Church St.
Architect—None.
Contractor—A. M. Hardy, 212 Ritch
Street. \$5000

DWELLING

(336) E SILVER 75 N Bayshore;;
one - story and basement frame
dwelling.
Owner—J. Kambic, 500 San Bruno
Avenue.
Architect—None. \$4200

DWELLING

(337) 30 BIRD ST.; one-story and
basement frame dwelling.
Owner—F. De La Fontaine, 30 Bird St.
Architect—None.
Contractor—T. R. Cuddie, 122 Henry.
\$4000

DWELLING

(338) E 24th AVE. 100 S Moraga;;
one - story and basement frame
dwelling.
Owner—A. H. McCarthy, 1903 Irving
Street.
Architect—None. \$4500

DWELLING

(339) S 28th St. 200 E Sanchez St.;
one - story and basement frame
dwelling.
Owners—M. and J. Mullane, 314 Day
Street.
Architect—None.
Contractor—W. Byrne, 1469A Dolores
Street. \$5875

DWELLING

(340) S GREENWICH 82 E Divisa-
dero; 1-story and basement frame
dwelling.
Owner—T. R. Sharman, 1514 Irving St.
Architect—None. \$4000

ALTERATIONS

(341) 130 BUSH ST.; alterations to
restaurant.
Owner—B. & G. Sandwich Shops, Chi-
cago, Ill.
Architect—None.
Contractor—A. W. Wilhelm, 666 Mis-
sion St. \$7000

DWELLINGS

(342) W MANOR DRIVE 220 North-
Ocean Ave.; two 1-story & base-
ment frame dwellings.
Owner—G. W. Morris, 95 Pinehurst
Way.
Plans by D. E. Jaekle, 744 Call Bldg.
each \$4,000

DWELLING

(343) N LONDON 175 W Avalon; one-
story and basement frame dwell-
ing.
Owner—E. Castelli, 144 London.
Architect—None.
Contractor—D. Delucchi & Son, 3007
San Bruno Ave. \$6000

DWELLING

(344) W 32nd AVE. 200 S Judah St.;
one - story and basement frame
dwelling.
Owner—H. K. Childress, 854 Shrader
Street.
Architect—None. \$4000

ALTERATIONS

(345) 42 19th AVE.; alterations and
additions to dwelling.
Owner—E. M. Fitzpatrick, 562 42nd
Avenue.
Architect—None.
Contractor—J. M. Andersen, 1612 Pa-
cific Ave. \$1900

WAREHOUSE

(346) NW COR. FOURTH and Welsh
Sts.; 1-story and mezzanine con-
crete warehouse.
Owner—Max Levy
Architect—O. A. Diekmann, 110 Sut-
ter St. \$9000

ALTERATIONS

(347) 22 22nd AVE.; alterations and
additions to dwelling.
Owners—Mr. and Mrs. W. Meyer, Fed.
Reserve Bank Bldg.
Architect—Ashley & Evers, 525 Mar-
ket St.
Contractor—H. H. Larsen, 64 South
Park. \$9000

RESIDENCE

(348) SW COR. SCOTT & FILBERT.
Sts.; 2-story and basement frame
residence.
Owner—D. C. Robinson, 871 31st Ave.
Architect—None. \$10,000

DWELLING

(349) N BENTON 294 W Geneburn;;
one - story and basement frame
dwelling.
Owner—St. Mary's Park, 3901 Mission
Street.
Contractor—D. E. Jaekle, 744 Call Bldg.
Contractor—A. R. Johnson, 3901 Mis-
sion St. \$5000

DWELLING

(350) S BENTON 327 W Geneburn;;
one - story and basement frame
dwelling.
Owner—St. Mary's Park, 3901 Mission
Street.
Plans by D. E. Jaekle, 744 Call Bldg.
Contractor—A. R. Johnson, 3901 Mis-
sion St. \$5000

BUILDING CONTRACTS**San Francisco County**

52 La Rocca	De Luca	\$7400
53 Goette	Hardy	5215
54 Masters	Roma	374
55 Lunny	Rench	9450
56 Castleman	Lindgren	2450
57 Castelli	Delucchi	6200
58 De Martini	Robinson	15724
59 Folsom	Mission	11150

BUILDING

(52) NE CHESTNUT & JONES 68-9
on Chestnut 40 on Jones; all work
on 3-story and basement frame
building.
Owner—A. La Rocca, 771 Chestnut St.
Architect—None.

Contractor—De Luca & Son, 16 Call-
fornia St.

Filed March 13, '30. Dated Feb. 5, '30
2nd floor poists in place.....\$7,000
Roof on 7,600
Brown coated 7,600
Completed and Accepted.....7,600
Usual 35 days.....7,600
TOTAL COST, \$37,400

Limit, 120 days. Plans and Spec. filed.

BUILDING

(53) W CHURCH ST. 57 N Liberty
N 28 x W 105; all work on one-
story and basement frame bldg.
Owner—Matilda L. Goette.
Architect—None.
Contractor—A. M. Hardy, 212 Ritch.
Filed Mar. 13, '30. Dated Mar. 11, '30
Frame up\$1303.75
Brown coated 1303.75
Completed 1303.75
Usual 35 days.....1303.75
TOTAL COST, \$5,215

Bond, \$5215. Sureties, Great American
Indemnity Co. Limit, 100 days
after March 12. Plans and Spec. filed.

BUILDING

(54) N UNION 137-6 E Hyde St. E
75-62N 127-6. All work for hard-
wood floors (except hardwood
flooring and sleepers) for build-
ing.

Owner—Master Builders Investment
Corporation.

Architect—Albert H. Larsen, 447 Sut-
ter St., San Francisco.

Contractor—Roma Hardwood Floor
Co., 3539 Market St., San Francisco

Filed Mar. 15, '30. Dated Mar. 10, '30.
All sleepers laid and building

brown coated\$ 467.50
All floors laid 1300.00
Completed and accepted.....906.50
65 days after.....700.00
TOTAL COST, \$3374.00

Bond, \$2000. Sureties, Harry H. Baier
and N. Mc. N. Ellsworth. Limit, none.
Forfeit, none. Plans and specifica-
tions filed.

RESIDENCE

(55) LOT 31 Lyon & Hoag's Subdi-
vision, Ashbury Terrace; all work
on two-story and basement frame
residence.

Owner—Joseph A. Lunny, 1335 Filbert
Street.

Architect—None.
Contractor—M. C. Rench, 38 Lyon St.

Filed Mar. 17, '30. Dated, Mar 5, '30.
Frame up\$2362.50

Brown coated 2362.50
Completed and accepted.....2362.50
Usual 35 days.....2362.50
TOTAL COST, \$9450

Limit, 90 days. Plans and Spec. filed.

LUNCH ROOM

(56) W SAN BRUNO AVE. 300 N
Costa; one-story frame dining car
lunch room and kitchen.

Owners—Edgar and Flo Castleman.
Architect—None.

Contractor—Lindgren Bros.
Filed Mar. 17, '30. Dated Feb. 17, '30.

Roofing completed\$ 500
Building completed 500
Sept. 1, 1930.....1450

TOTAL COST, \$2450
Limit, 40 days.

BUILDING

(57) N LONDON ST. 175 W Avalon
Ave.; all work on one-story and
basement frame building.

Owner—E. Castelli, 144 London.
Architect—None.

Contractor—D. Delucchi & Son, 3007
San Bruno Ave.

Filed Mar. 19, '30. Dated Mar. 12, '30.
Roof on 25%

First coat plaster on 25%
Completed 25%
Usual 35 days.....25%
TOTAL COST, \$6200

Bond, \$3000. Sureties, A. Arsl and D.
Fueri. Limit, 90 days. Plans and
Spec. filed. Permit applied for.

BUILDING

(58) SW COR FLIBERT & SCOTT
Sts. 27-6 x 82-6; all work on two-story and basement frame building.
Owner—Catherine De Martini.
Architect—None.
Contractor—Robinson & Johnston.
Filed and Dated March 13, 1930.
Roof boards in place.....\$3144.90
Ready for lath....."
Plastering done....."
Completed....."
Usual 35 days....."
TOTAL COST, \$15,724.50
Limit, 120 days. Plans and Spec. filed.

BUILDING

(59) SE COR 17th & CONNECTICUT
Sts. 100x100; all work on reinforced concrete industrial building.
Owner—Folsom Street Iron Works, Inc., 17th and Missouri Sts.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg.
Contractor—Mission Concrete Works, 270 Turk St.
Filed Mar. 19, '30. Dated Feb. 27, '30.
Grading ready for piers.....\$ 500
Exterior walls completed.....2000
Completed.....5862
36 days after.....2788
TOTAL COST, \$11,150
Bond, \$5575. Sureties, Geo. Frankel and A. Portia. Limit, 40 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

230 Bruner Livingston 2000
Recorded Accepted
March 12, 1930—LOT 4 BLK 2959
Map Sub No. 4, Miraloma Park.
The McCarthy Co to Meyer Bros.....
March 10, 1930
March 12, 1930—SE NAGLES AVE
53-6 and 79-6 SE Huron Ave Ptn Lot 1 Blk 17, West End Map 2.
Patrick Horgan to whom it may concern.....March 11, 1930
March 12, 1930—LOT 23 BLK 5340
St. Mary's Park. The Roman Catholic Archbishop of S F to Andrew R Johnson.....March 3, 1930
March 12, 1930—N LIBERTY 130 E Sanchez E 25 x N 114. Fortunata Maracini to whom it may concern.....February 4, 1930
March 12, 1930—W ASHTON 403, 380, 352, 324 N Grafton, known as 169, 165, 159 and 155 Ashton Ave, respectively, all situated in Blk 22, Lakeview, Stoneson Bros & Thorinsson to whom it may concern.....March 12, 1930
March 12, 1930—E 14th Ave 225 S Taraval 30x120. A H Elkington as G J Elkington & Sons to whom it may concern.....
March 13, 1930—S FLORISS 165 W Montgomery W 27-6 x S 137-6 known as No. 116 Alta St. Margaret W Hines to Thomas Quistad.....March 10, 1930
Mar. 13, 1930—NW MANOR DRIVE and NE line Lot 8 Blk 3278 SW 40 NW 78.513 NE 40.012 SE 77.523 Ptn Lot 8 Blk 3278 Map Mt. Davidson Manor. R M and Elsie L Schaadt to whom it may concern.....March 13, 1930
March 13, 1930—W FOURTEENTH Ave 27 and 54 N Wawona. S R and Amanda Anderson to whom it may concern.....March 11, 1930
March 13, 1930—THIRD and 22nd Sts. American Can Co to Lindgren & Swinerton, Inc.....March 10, 1930
March 13, 1930—E RHODE ISLAND 375 N of NE corner Rhode Island and 23rd Sts 55x100. Harry Hartman to whom it may concern.....March 13, 1930
March 13, 1930—S ELLIS 163-1 E Powell E 113 S 82-6 SW 61-6 NW

108 N 40-9th. Sommer & Kaufmann, Inc to whom it may concern.....March 5, 1930
March 12, 1930—NE CONCORD 200 SE Morse SE 50xN 120 Lots 24 and 25 Blk 3 Syndicate 1st Addition to San Francisco. David Olson to whom it may concern.....March 11, 1930
March 13, 1930—SW MUNICH 475 S Russia Ave 25x100 known as 578 Munich St. Emil Peterson to whom it may concern.....March 12, 1930
March 17, 1930—N HALE 50 W Merrill W 50 x N 75. Thomas Johnson to whom it may concern.....March 17, 1930
March 17, 1930—SW DIVISADERO and Bay S 75 x W 93-9 E alg Bay to beg. John T and Caterina L Pavia to Sbarboro & Jorgensen.....March 17, 1930
March 17, 1930—NW COR SUTTER and Mason known as 609 Sutter St. San Francisco County Nurses Assn to Thollander Const Co.....March 14, 1930
March 17, 1930—LOT 23 BLK 2901E map Sub No 4, Miraloma Park. Meyer Bros to whom it may concern.....
March 17, 1930—LOTS 24 and Blk 2388A Map West Portal Park. T E Foster to Dependable Mfg Co.....March 12, 1930
March 17, 1930—NE FILLMORE & Herman N parl with E Fillmore 48 x E parl with N Herman 81-3. Harry H and Helen M Velleno to R Paratore as Independent Const Company.....March 12, 1930
March 15, 1930—SE SUTTER AND Steiner 96x137-ft. F E Hesthal to J L McLaughlin & Co.....March 4, 1930
March 15, 1930—ISLAIS CREEK. Southern Pacific Co to J P Holland, Inc.....March 13, 1930
March 15, 1930—LOT 24 BLK 5840 St Mary's Pk. The Roman Catholic Archbishop of S F to Andrew R Johnson.....March 11, 1930
March 15, 1930—S BROADWAY 132-6 E Webster E 53-6 x S 132-6. Wm Helbing to whom it may concern.....March 15, 1930
March 15, 1930—SW VALLEJO and Cowell Place having frontage of 50 on Vallejo nd 80 on Cowell Pl. Louis A Colton to Industrial Construction Co.....March 15, 1930

LIENS FILED

San Francisco County

Recorded Amount
March 14, 1930—LOT 25 BLK 15. Amended Map Ingleside Terraces. J S Guerin & Co, composed of J S Guerin and Stephen J Guerin, vs Pollini & Frieze & Francis and Julia Klau.....\$117.35
March 13, 1930—E VICTORIA 100 S Sargent N 25 x E 100 Lot 26 Blk 7072, Assessor's Map. United Improvement Co vs Lester Bogges.....\$257.50
March 13, 1930—W VICTORIA 100 S Shields S 25 x W 100 Lot 2, Blk 7072 Assessor's Map. United Imp Co vs D Klau & McCarthy Co.....\$257.50
March 13, 1930—E VICTORIA 150 N Sargent N 125 x E 100 Lots 28, 29, 30, 31 and 32 Blk 7072 Assessor's Map. United Imp Co vs G Goldstein, Carl Eggers and National Realty Corp.....\$1187.50
March 12, 1930—E VICTORIA 150 N Randolph N 25x100. Pacific Terrazzo Marble Co vs R N Gibson.....\$57.20
March 11, 1930—S ORTEGA 95 W 8th Ave W 25 x S 100. Sands Water Heater Co vs Thos Hughes.....\$ 40
March 15, 1930—N LUNADO Court 39-17 E Lunado Way E 49-65 thence at an angle N 127-75 thence at an angle W 76-37. G and L

Mazzeva, G Mazzeva Co vs J Pellene, F and J Klaus.....\$71
March 18, 1930—E 34th AVE 200 S Ulloa S 25 x E 120. B J Doherty vs N and R A Roche.....\$41
March 17, 1930—S ELLIS ST 82-6 E Leavenworth St E 82-6 x S 137-6. A G Atwood vs Mrs Pariah.....\$327.41
March 17, 1930—E 34th AVE 200 S Ulloa S 25 x E 120. O G Windell vs N and R A Roche.....\$71
March 17, 1930—E VICTORIA 150 N Randolph N 25 x E 100. Daly City Lime & Cement Co vs Eli Boer and R N Gibson.....\$131.61
March 15, 1930—E 34th AVE 200 S Ulloa S 25 x E 120. California Terrazzo Marble Co, \$77; Pacific Mill & Cabinet Co, \$425, va R A and Nellie Roche.....

RELEASE OF LIENS

San Francisco County

Recorded	Amount
March 12, 1930—S HAIGHT ST 125 W Scott W 25 x S 137-6. Angus MacKillop as MacKillop Hardware Co to Arthur and Johanna Warneke, Jos Spencer and Albert B Liff as Spencer & Liff.....	
March 11, 1930—SE 23rd AVE AND Noriega E 240 x S 93. Federal Const Co to Joseph B Keenan and Guido J Musto.....	
March 11, 1930—W FILLMORE 106-2 1/4 N California N 53 x W 106-3, also known as Lot 3 Blk 635 Assessor's Map. S T Frelling as Clawson Patent Chimney Co to Geo Y Morton and Wm Barrett.....	
March 13, 1930—E TAYLOR 12-6 S Pine S 50 x E 91-8 N 25 W 10-2 N 25 W 81-6. E F Franks and E A Wainwright to Samuel W Wainwright.....\$100 March 18, 1930—NE SILVER AVE and San Bruno N 75 E 89-7 17 100 S 90-7 43-91 SW 102-82. United States Fidelity & Guarantee Co to Martin Setpan, Int in Est Barbara Golobich.....\$100 March 17, 1930—N 19th 29-61 from E Yukon E alg N 19th 29-61 N 94-54 W 32-42 S 94-54 m or l to N 19th and beg Lot 3 Blk 2702 Assessors' Map. California Const Co to Mrs Harry H Hendricks.....	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Am
273	Betnam	Owner	201
274	Hull	Courtright	1801
275	Canepa	Unit	181
276	Fleming	Owner	351
277	Herriott	Owner	911
278	Hunter	Owner	1501
279	Petersen	Owner	751
280	Koide	Cedarburg	1051
281	Gould	Owner	701
282	Gross	Brown	201
283	Reiburghouse	Owner	321
284	Union	Owner	201
285	Union	Owner	181
286	Unloh	Owner	181
287	Schmidt	Rigney	101
288	Carlson	Owner	351
289	Immonen	Owner	481
290	Lorenson	Jensen	901
291	Norman	Kennedy	151
292	York	Goard	501
293	Waldman	Owner	211
294	Hooper	Hooper	631
295	Bercovich	Wallace	151
296	Stewart	Owner	351
297	Wiggins	Owner	601
298	Felt	Owner	451
299	Wright	Busekist	251
300	Faucett	Sexton	901
301	Parsons	Fisher	331
302	Viganego	Owner	301
303	Stenbro	Owner	201
304	City of Berkeley	Parker	2100

ALTERATIONS

(273) 3856 PIEDMONT AVE., Oakland; alterations.
Owner and Builder—F. Betman, 3855 Piedmont Ave., Oakland.

RESIDENCE

(274) 611 ARLINGTON AVE., Berkeley; two-story 8-room frame and stucco 1-family residence and garage.
Owner—W. M. Hull, 3051 Adeline St., Berkeley.
Architect—Harvey Sloccombe, 85 Cambridge Way, Piedmont.
Contractor—T. D. Courtright, 5098 Manila Ave., Oakland. \$18,000

SHOP

(275) NE COR. 17th & CASTRO Sts.; one-story tile shop.
Owner—D. Canepo, Builders' Exch., Oakland.
Architect—None.
Contractor—Unit Steel Bldg. Company Builders' Exchange, Oakland. \$1800

DWELLING

(276) W DETROIT ST. 100 N Atlas Ave., Oakland; one-story 6-room dwelling.
Owner and Builder—Andrew Fleming, 3946 Vale Ave., Oakland.
Architect—None. \$3500

DWELLING

(277) 6464 ESTATES DRIVE, Oakland; two-story 7-room dwelling and 1-story garage.
Owner and Builder—C. C. Herriott, 700 Manda Blvd., Oakland.
Architect—John I. Easterly, Howden Bldg., Oakland. \$9,100

DWELLING

(278) S BEECHWOOD DRIVE 100 E Yorkshire, Oakland; two-story 8-room dwelling and 1-story garage.
Owner and Builder—Matthew Hunter, 2103 Woolsey St., Berkeley.
Architect—W. E. Schlirmer, 700 21st St., Oakland. \$15,000

DWELLING

(279) S FAIRWAY 350 E Oak Knoll Blvd., Oakland; two-story 7-room dwelling.
Owner—Mrs. Alf. Petersen, 3918 Linwood Ave., Oakland.
Architect—W. W. Dixon, 1844 Fifth Ave., Oakland.
Contractor—Alfred Petersen, 3918 Linwood Ave., Oakland. \$7500

RESIDENCE

(280) 45 MENLO PLACE, Berkeley; 7-room 7-story 1-family frame residence.
Owner—Mrs. Ada K. Kalde.
Architect—Newson Brothers, Realty Bldg., Oakland.
Contractor—A. Cedarborg, 1455 Excelsior Ave., Oakland. \$10,538

RESIDENCE

(281) 1841 Thousand Oaks Boulevard, Berkeley; two-story 7-room 1-family frame residence.
Owner and Builder—Allen E. Gould, 1040 Ramona Ave., Berkeley.
Architect—None. \$7,000

ALTERATIONS

(282) NO. 1319 WASHINGTON ST., Oakland. Alterations.
Owner—Crosby Millinery Co., 1011 Market St., San Francisco.
Architect—None.
Contractor—Henry Brown, 1337 E. 32nd St., Oakland. \$2000

DWELLING

(283) NO. 2842 ABBEY ST., Oakland. Two-story 6-room dwelling.
Owner—Roy Reiburghouse, Premises.
Architect—None. \$3250

FIRE WALL

(284) NO. 2025 GRAND ST., Alameda. Reinforced concrete fire wall.
Owner—Union Oil Co. of Calif., Mills Bldg., San Francisco.
Architect—Eng. Dept. of Owner. \$2000

WAREHOUSE

(285) NO. 2025 GRAND ST., Alameda. Wood frame and corrugated iron warehouse.
Owner—Union Oil Co. of Calif., Mills Bldg., San Francisco.
Architect—Eng. Dept. of Owner. \$1800

GARAGE

(286) NO. 2025 GRAND ST., Alameda. One-story wood frame and corrugated iron garage.
Owner—Union Oil Co. of Calif., Mills Bldg., San Francisco.
Architect—Eng. Dept. of Owner. \$1800

PLATFORM

(287) SIXTH ST. AND CENTRAL Ave. (Cottage Baths), Alameda. Frame platform for filter system.
Owner—Henry A. Schmidt, Premises.
Architect—Rigney Tile Co., 3012 Harrison St., Oakland.
Contractor—Rigney Tile Co., 3012 Harrison St., Oakland. \$1000

(288) NO. 1855 SAN ANTONIO AVE., Berkeley. One-story six-room 1-family residence.
Owner—Oscar Carlson, 659 Santa Barbara Road, Berkeley.
Architect—Paul Anderson, 1014 Doris Court, Alameda. \$3500

RESIDENCE

(289) NO. 1202-1204-1208 DELAWARE ST., Berkeley. Two-story 10-room 3-family frame residence.
Owner—A. Immonen, 1206 Delaware St., Berkeley.
Architect—None. \$4800

ALTERATIONS

(290) NO. 1630 FRANKLIN ST., Oakland. Alterations.
Owner—Hans Lorensen, 1737 Broadway, Oakland.
Architect—Blaine & Olson, 1755 Broadway, Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland. \$900

ALTERATIONS

(291) NW ELEVENTH & BROADWAY, Oakland. Alterations.
Owner—Norman Pharmacy.
Architect—None.
Contractor—F. T. Kennedy, 1051 7th St., Oakland. \$1500

DWELLING

(292) E COCHRANE AVE 175 N Agnes, Oakland. One-story five-room dwelling.
Owner—O. E. York, 2429 E-23rd St., Oakland.
Architect—Paul Anderson, 1014 Doris Court, Alameda.
Contractor—A. J. Goard, 1532 Franklin St., Oakland. \$5000

DWELLING

(293) NO. 2851 PARKER AVE., Oakland. One-story 5-room dwelling and garage.
Owner—A. E. Waldman, 331 17th St., Oakland.
Architect—None. \$3150

RESIDENCE

(294) NO. 707 CRAGMONT AVE., Berkeley. Two-story 6-room 1-family frame residence and garage.
Owner—Dorothy Hooper, 732 Cragmont Ave., Berkeley.
Architect—None.
Contractor—W. H. Hooper. \$6350

ALTERATIONS

(295) NE COR FIFTH and Webster Sts., Oakland; alterations and repairs.
Owner—Bert Bercovich, Central Bank Bldg., Oakland.
Architect—None.
Contractor—F. J. Wallace, 359 Grand Ave., Oakland. \$1500

DWELLING

(296) 3960 WATERHOUSE Rd., Oakland; one-story 5-room dwelling.
Owners and Builders—A. E. and S. L. Stewart, 3969 Lyman Road, Oakland.
Architect—None. \$3500

SHOP

(297) NE COR 24th and ORIN Dr., Oakland; one-story brick shop.
Owner and Builder—Chas. M. Wiggins, 376 17th St., Oakland.
Architect—None. \$5000

RESIDENCE

(298) NO. 669 COLUSA AVE., Berkeley. One-story six-room 1-family frame residence.
Owner—G. E. Felt, 117 Ardmore Rd., Berkeley.
Architect—W. K. Bartges, 1611 Posen Ave., Berkeley. \$4500

ALTERATIONS

(299) NO. 783 SAN DIEGO ROAD, Berkeley. Alterations.
Owner—A. J. Wright.
Architect—None.
Contractor—J. W. Busekist, Lafayette Calif. \$2500

RESIDENCE

(300) NO. 1942-44-46-48 ATKINS ST., Berkeley. Two-story four-family frame residence (12 rooms and garage).
Owner—Edwin Faucett, 1401 Berkeley Way, Berkeley.
Plans by F. W. Sexter, 6452 Telegraph Ave., Oakland.
Contractor—F. W. Sexter, 6452 Telegraph Ave., Oakland. \$9000

DWELLING

(301) E COOLIDGE AVE 100 S Morgan St., Oakland. One-story 5-room dwelling.
Owner—William Parson.
Architect—None.
Contractor—James G. Fisher, 3670 Lily St., Oakland. \$3300

DWELLING

(302) W WHITTLE AVE 500 S Tiffin Road, Oakland. One-story 5-room dwelling.
Owner—S. J. Viganega and V. Glannoni, 439 Moss Ave., Oakland.
Architect—G. H. Vore. \$3000

DWELLING

(303) 2627 FIFTY-SEVENTH AVE., Oakland. One-story 5-room dwlg.
Owner—A. Stenbro, 4340 La Cresta Ave., Oakland.
Architect—None. \$3000

LIBRARY

(304) NO. 2093 KITTREDGE St., Berkeley. Two-story Class A public library.
Owner—City of Berkeley.
Architect—J. W. Plachek, 404 Mercantile Bank Bldg., Berkeley.
Contractor—K. E. Parker, 135 South Park, San Francisco. \$210,000

BUILDING CONTRACTS

Alameda County

No. Owner	Contractor Amt.
50 Casson	Marchant 16500
51 Allen	Bottemiller 925
51 Berkeley	Parker 210000

RESIDENCE

(50) BET. CASTRO & MAIN STS. and bet. A and Prospect, Hayward; all work on two-story frame and stucco residence. Owner—Jack Casson, 8 St. James Ct., Hayward. Architect—Miller and Warnecke, Financial Center Bldg., Oakland. Contractor—Gordon Marchant, 7974 Foothill Blvd., Oakland. Filed March 13, '30. Dated March 6, '30. When first floor is laid.....\$3300. When felt paper on roof and bldg. sheathed in walls..... 3300. When plaster is finished inside and out.....(plus deed) 1900. When plaster is finished inside and out 1400. When completed 3300. Usual 55 days..... TOTAL COST, \$16,500. Two Bonds, \$16,500 each. Sureties, Continental Casualty Co. Limit, 120 working days. Plans and Spec. filed.

MOVE & REBUILD

(51) THREE and one-half miles south of Hayward on the Niles-Hayward Highway; move and rebuild tile garage building. Owners—Mr. and Mrs. H. D. Allen. Architect—None. Contractor—E. S. Bottemiller and C. M. Russell, Hayward and Oakland. Filed Mar. 17, '30. Dated Feb. 20, '30. When completed\$925. TOTAL COST, \$925. Bond, \$925. Sureties, New York Indemnity Co. Limit, 20 working days.

LIBRARY

(51) SW COR. SHATTUCK AVE. & Kittredge St., Berkeley; all work on main Library Building. Owner—City of Berkeley. Architect—James W. Flachck, Merchants' Bank Bldg., Berkeley. Contractor—K. E. Parker Co., 135 So. Park, San Francisco. Filed Mar. 18, '30. Dated Mar. 4, '30. Each 30 days.....75%. Usual 35 days.....25%. TOTAL COST, \$210,000. Bond, \$105,000. Sureties, Hartford Accident & Indemnity Co. Limit, 190 working days. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
March 12, 1930—PTN LOT 4 BLK D, Mulford Gardens Unit No 1, Eden Twp. Glenn C Barnhart to Arthur G Lincoln.....	March 11, 1930
March 12, 1930—27th and TELEGRAPH, Oakland. Sears, Roebuck & Co to whom it may concern.....	March 12, 1930
March 12, 1930—27th and TELEGRAPH, Oakland. Sears, Roebuck & Co to Reed & Reed; Lannom Bros Mfg Co (two completions).....	March 10, 1930
March 13, 1930—ON ROAD bet Dublin and Hayward, Fred Puls (filed by State of California) to Herbert D Baker (three completions).....	March 15, 1930
March 17, 1930—NV COR SEVENTH and Carlton Sts, Berkeley. Byron Jackson Co to The Austin Co.....	March 10, 1930

March 14, 1930—PTN LOT 1 BLK D, Montclair Estates, Oakland. Carlos G White to L D Frazier.....

March 14, 1930—5157 GOLDEN GATE Avenue, Oakland. Rudolph S F Breaum to Self.....

March 14, 1930—301 DOWLING Blvd San Leandro, Broadmore Church (Congregational) to Chester A Gossett.....

LIENS FILED

Alameda County

Recorded	Amount
March 12, 1930—GOLF LINK ROAD near Heron, and Golf Link Road near Crossgrove, formerly Heron Ave, Eastmont Tract, Oakland. Button Wire Co, Inc vs W W Brown.....	\$100.80
March 13, 1930—LOTS 25 and 26, Arbor Villa, Oakland. Berkeley Bldg Materials Co, \$210; Markus Hardware Co, \$451.10; H W Hoffman, \$304.42, vs Chris and Maund Dietz.....	
March 13, 1930—3714 LINWOOD Ave Oakland. West Bros Roofing Co vs Harry Jones.....	\$492
March 14, 1930—LOTS 16 and 17 Blk Y, amended map Regents Park, Berkeley. Strable Hardware Co vs Olie Hartsinck and Gus Salo.....	\$64.25
March 14, 1930—LOT 7 BLK J, Es-tudillo Estates, San Leandro. R Appleby vs Otto W and Martha W Johnson, C F Lodge.....	\$182
March 14, 1930—231 FOOTHILL Blvd Oakland. Churchill Tile Co vs H Richardson.....	\$35.27
March 18, 1930—NE of E 24th ST and 7th Ave, Oakland. The Conduit, Inc vs Chris and Jane Dietz, W J and Fannie E Martinez.....	\$657.83
March 13, 1930—SW LINE East 15th St 120 ft NW 8th Ave, Oakland. P Mariano vs Louis H Cochran, K J Henning.....	\$255
March 15, 1930—LOT 154, Fuller & Todd Tract, Oakland. Freitas & Bunce, Inc vs I Diamond and J A Freitas.....	\$67.59

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
March 15, 1930—LOT 38, Subdivisions 6 and 7 Hardy Tract, Berkeley. Rhodes -Jamieson Co to Ethel Lind; Ethel Lind Bruner and A J Oshorn.....	\$74.21

BUILDING CONTRACTS

SAN MATEO COUNTY

ADDITION
ON ISABELLA AVE. Atherton. All work for three-story and basement frame and shingle addition to dwelling.
Owner—C. F. Michaels. Premises. Architect—Birge M. Clark, 301 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Filed Mar. 17, '30. Dated Mar. 15, '30. As work progresses.....

TOTAL COST, \$21,477.
Bond, \$11,000 (guaranteed). Limit, 85 working days. Forfeit, none. Plans and specifications filed.

MAUSOLEUM

HOLY CROSS CEMETERY. All work for mausoleum.
Owner—Isabelle Brophy et al.
Architect—None.
Contractor—The Georgia Marble Co., % Howard Seidell, 1291 32nd Ave., San Francisco.
Filed Mar. 17, '30. Dated Mar. 7, '30. Contract signed 25%. Bill of lading 25%.

Completed 25%.
30 days after 25%.
TOTAL COST, \$9000.
Bond, \$9000. Aetna Casualty & Surety Co. Limit, forfeit, plans and specifications, none.

RESIDENCE

LOT 21 BLK 46, Easton, San Mateo; all work on one-story and basement frame and stucco residence. Owner—Ernest J. Scheppen. Architect—None.
Contractor—Herman T. Holsber. Filed Mar. 4, '30. Dated Mar. 3, '30. Rafter up\$2450. Brown coated 2450. Completed 2450. Usual 35 days..... TOTAL COST, \$9,800. Limit, 90 working days. Plans and Spec. filed.

BUILDING PERMITS

SAN MATEO

RESIDENCE, 5-room and basement, \$7500; NE 20 ft. Lot 12 and 30 ft. Lot 13 Blk 19 No. 419 Georgetown, Burlingame; owner and contractor, Buschke and Johnson, Georgetown, Burlingame.
RESIDENCE, 5-room and basement \$8500; NE 10 ft. Lot 11 and S 4 ft. Lot 12 Blk 19, No. 423 Georgetown St., Baywood; owner, and contractor, Buschke & Johnson, Georgetown, Baywood.
ALTERATION, \$2000; Lot 10 Blk F No. 232 Villa Terrace, San Mateo; owner and contractor, A. S. Moore, Premises.
KENNELS, \$1000; El Camino Real Blk 1, Blossom Hearst Manor owner, Dr. Harold Goth, El Camino Real, San Mateo; contractor, F. H. Boring, 661 Crescent Ave. San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
March 17, 1930—LOT 22 BLK 5, High School Addition, San Mateo. Carlo Simontacchi to A Piaul.....	March 12, 1930
March 17, 1930—LOTS 25 AND 26 Blk 3, Schwerin Addition, San Mateo. Elmo D Jones to whom it may concern (2 completions).....	March 3, 1930
March 17, 1930—LOT 5 BLK 9, San Mateo City Homestead. Dean Mitchell et al to whom it may concern.....	March 15, 1930
March 17, 1930—LOT 3 BLK G, San Mateo Heights. Gustav F Adolphson et al to G W Williams Co.....	January 24, 1930
March 17, 1930—PART LOT 104, San Mateo Park. Lemuel F Hall to Elmo D Ris.....	March 14, 1930
March 17, 1930—LOT 11 BLK 17, Burlingame. C S Cray to Clarence E Fowler.....	March 7, 1930
March 11, 1930—LOTS 472A, 473A & 474A, Woodside County Club, Eptly Charles N W Newell to Harry C Yates.....	March 1, 1930
March 12, 1930—LOTS 32 and 16 Blk 17, Aragon. Meyer Bros to whom it may concern.....	March 11, 1930
March 13, 1930—PART LOT 11 Baywood. A W Johnson to whom it may concern.....	March 17, 1930
March 13, 1930—BAY SHORE Highway. State of California to Ben & Ratto.....	March 10, 1930
March 13, 1930—LOTS 11 and 12 Blk 7, San Mateo. Valentine Arata, et al to Vogt & Davidson.....	Mar. 11, 1930
March 13, 1930—PART LOT 4 BLK J, W. W. & M Tract, Redwood City. Thomas Maloney to whom it may concern.....	March 12, 1930
March 13, 1930—LOTS 4 & 5 BLK	

9, University Park, San Mateo.
William F Knox et al to whom it
may concern (2 completions)
.....March 1, 1930
March 14, 1930—LOT 6 BLK 7, Bur-
lingame. Laurids Halm et al to
whom it may concern.....March 10, '30
March 14, 1930—LOT 15 BLK 26,
Western Addition to San Mateo.
John Serpa Mottos to Charles D
Ellis.....March 12, 1930
March 14, 1930—LOT 2 of LOT 306
and others, San Mateo Park.
Theresa F Baumgartner to N P
Petersen.....March 12, 1930
March 14, 1930—HIGH SCHOOL, San
Mateo. San Mateo Union High
School to H R Park.....Feb. 15, 1930
March 15, 1930—LOTS 22 AND 23,
East San Mateo. A J Feasey to
A J Feasey.....March 13, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
March 14, 1930—LOT 12 BLK 14 Bay View Heights. Frank How- lett et al vs Ben Thompson, et al	\$162.55
March 14, 1930—LOT 7 BLK 15, Bay- view Heights. San Carlos Feas & Fuel Co vs H J Hughes, et al.....	\$52.30
Feb. 15, 1930—PART LOTS 1 and 2 Blk 2, Range B, Redwood. Ost- lund & Johnson, \$219; Van Fleet Frear Co, \$142.50; Geo J Raab, alias, \$48.50; vs Dave L Walter, et al.....	\$52.30
Feb. 13, 1930—LOT 7 BLK 15, Bay- view Heights. San Mateo Plan- ing Mill Co, \$783.09; Lotus Lina- bury, et al \$43.63; Chas. S. Frost, \$399; Malott & Petersen, \$264; Wisnom Lumber Co, \$571; F. A. Grunert, \$93; John W. Morey, \$361.92; Joe Grimes, \$325; R. An- gus, \$163 vs H J Hughes.....	\$52.30
March 17, 1930—LOT 9 BLK 13, Bay- view Heights. Progress Lumber Co, \$23.30; Paul M P Merner, 184.77 vs Henry Hanush.....	\$52.30
March 17, 1930—WHIPPLE ROAD, Redwood City. Gust Mannuels, \$357.32; L J Sudyjain vs F C Hughes.....	\$52.30

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Accepted
March 17, 1930—LOTS 34 AND 35, Part Lot 36 Blk 5, Schwin. Addi- tion, San Mateo. James Slard, full; James Gosaway, \$70; Julius J Jacobs, \$—; Sudden Lumber Co, \$280 to Andy Raw et al.....	
March 17, 1930—LOCATION NOT Given. Merner Lumber Co to H R Russell.....	
Recorded	Accepted
Jan. 13, 1930—7.13 ACRES Land on Seaville Road, Woodside. A E Rawlings to whom it may concern	

BUILDING PERMITS

SAN JOSE

ALTER Class C business building,
\$3500; No. 148 S-First St., San
Jose; owner, Charles's Dollar Stores,
2535 E-27th St., Los Angeles; con-
tractor, Cowen Showcase Co, 2535
E-27th St., Los Angeles.
ALTER Class C business building,
\$3500; NW First and San Antonio
Sts., San Jose; lessee, H. Stack-
pole, 155 S-First St., San Jose;
contractor, Mullen Mfg. Co; 60
Rausch St., San Jose.
RESIDENCE, 5-room, \$5000; Shasta
St. near Park, San Jose; owner,
Wm. S. Peters, 1295 Randol St.,
San Jose; contractor, J. T. Wil-
lams, 892 Michigan St., San Jose.

RESIDENCE, 5-room frame, \$3250;
16th St. near Julian, San Jose;
owner, Miss Lucile Barker, 245 N-
Sixth St., San Jose; contractor,
S. C. Evans, 405 N-18th St., San
Jose.
ALTER Class C business building,
\$1800; No. 82 S-First St., San Jose
lessee, Al. George, 82 S-First St.,
San Jose; contractor, H. A.
Bridges, Pine and Lincoln Sts.,
San Jose.
RESIDENCE, 5-room frame, \$4650;
13th and Reed Sts., San Jose;
owner, Jas. Veybrew, 602 N-13th
St., San Jose; contractor, Geo. Mc-
Crary, 1024 Clark Way, San Jose.
RESIDENCE, 5-room frame, \$1400;
Ninth St. near Bestor San Jose;
owner, C. A. Del Ponte, 918 S-
Ninth St., San Jose.
RESIDENCE, 5-room, \$3000; 31st St.
near St. John, San Jose; owner,
Harold Craven, Morris Court
Santa Clara; contractor, Thomas
Lannin, 312 S-Ninth St., San Jose
ALTER Class C super-service sta-
tion, \$1500; Vine and Willow Sts.,
San Jose; owner, Standard Oil
Co, Saint Claire Bldg., San Jose;
architect, company employees;
contractor, Weldon & Hoover,
Builders' Exchange, San Jose.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$2850
No. 651 Princeton St., Palo Alto;
owner, W. J. Benjefstorf.
RESIDENCE, frame and stucco, \$5000;
No. 1050 Guinda St., Palo Alto;
owner, Gus Meister, 11 S-Eldorado
St., San Mateo.
RESIDENCE, frame and stucco, \$4000;
No. 409 Leland Ave., Palo Alto;
owner, J. Volsen; contractor,
Henry Miranda.
RESIDENCE, frame and stucco, \$4090
No. 132 Santa Rita Ave., Palo
Alto; owner, Grace G. Gibson;
contractor, E. H. Gibson.
RESIDENCE, frame and stucco, \$6000
No. 1833 Fulton St., Palo Alto;
owner, John M. Johnson, 509 Cole-
ridge St., Palo Alto; architect,
Chas. Schueltz; contractor, John
M. Johnson, 509 Coleridge St.,
Palo Alto.

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$6200; Lot 20 Blk 5, Co-
pachino St., Burlingame; owner,
H. Bround; contractor, Thos.
Gesso, 1201 Vancouver St., Burl-
ingame.
BUNGALOW, \$7000; S ¼ LOTS 1 &
2 De Soto Ave., Burlingame; own-
er, J. H. Hansen, 509 California
Drive, Burlingame.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
March 7, 1930—W ½ LOT 22, Wil- lows Half Acres. Minnie L Erick- son to whom it may concern.....	
March 7, 1930—LOT 9 BLK 2, Ches- ter B Burton Subdiv. J V Endert to whom it may concern.....	
March 8, 1930—LOT 25, Bruce Hgts. J P Hubbard to whom it may con- cern.....	
March 10, 1930—LOT 13, Greendale Terrace. Mary G Santana to whom it may concern.....	
March 10, 1930—LOT 1 BLK A, Ken- old Tract. J R Green to whom it may concern.....	
March 10, 1930—LOT 14, Eastmore-	

land Park, East San Jose. H N
Traxler to whom it may concern
.....March 8, 1930
March 10, 1930—354 JOSEPH ST. I
Vincignerra to whom it may con-
cern.....March 10, 1930
March 10, 1930—LOT 16, Santana
Subdiv. Merle H Gray to whom
it may concern.....March 8, 1930
March 11, 1930—LOT 12 BLK 2, Al-
ba Park Addn Palo Alto. W G
Bell to whom it may concern.....
March 10, 1930
March 11, 1930—SW 14th & REED
Sts., San Jose. Wilbur J Edwards
to whom it may concern.....
March 5, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
March 5, 1930—LOT 22 BLK 13, Lendrum Tract No 2. William F Parr vs J. A. Hines.....	\$124
March 7, 1930—LOT 1 BLK 6, Los Altos Park, Los Altos. San Jose Hardware Co vs W L Cronkite.....	\$28.73

BUILDING CONTRACTS

SONOMA COUNTY

ALTERATIONS
NO. 117-123 MAIN ST., Petaluma, All
work for alterations to building.
Owner—J. H. Gwinn, 239 Kentucky
St., Petaluma, and M. Goldman,
D St. near Laurel, Petaluma.
Architect—Brainerd Jones, Washing-
ton and Liberty Sts., Petaluma.
Contractor—Walter Singleton, D St.,
Petaluma.
Filed Mar. 10, '30. Dated Mar. 4, '30.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST—J. H. Gwinn, \$1770; M.
Goldman, \$13,985.
Bond, \$13,985. Surety, Maryland Casu-
alty Co. Limit, Before June 1, 1930.
Forfeit, none. Plans and specifica-
tions filed.

DWELLING
PRESUMABLY SEBASTOPOL. All
work for dwelling.
Owner—H. B. Fuller, 225 Palm St.,
Sebastopol.
Architect—W. Herbert Rosenberg
Bldg., Santa Rosa.
Contractor—William J. Smith, Se-
bastopol.
Filed Mar. 14, '30. Dated Sept. 14, '29.
Acknowledged March 12, 1930.....\$1069
Roof ready to shingle..... 1069
Job completed 1069
Usual 35 days..... 712
TOTAL COST, \$2850
Bond, none. Limit, Nov. 10, 1929.
Forfeit, plans and specifications, none.

BUILDING CONTRACTS

MONTEREY COUNTY

PACKING HOUSE
PACKING HOUSE No. 9, Salinas;
constructing an additional pack-
ing house (lettuce shed; one-story
Owner—Monterey County Ice & De-
velopment Co., Abbott St., Salinas.
Architect—None.
Contractor—P. T. Wallstrum, Salinas.
Filed Mar. 14, '30. Dated Mar 5, '30.
Progress payments 75%
Usual 35 days 25%
TOTAL COST, \$8,528
Bond, \$8528. Sureties, Union Indem-
nity Co. Plans and Spec. filed.

RESIDENCE & GARAGE
HATTON FIELDS, Carmel; all work
on a one-story residence and gar-
age.
Owner—John K. Turner, Carmel.
Architect—Guy Koepf, Carmel-by-the-
Sea.

Contractor—Wm. P. Sweeney, Carmel.
Filed Mar. 14, '30. Dated Mar. 1, '30.
On completion of foundation & sub-
floor.
On completion of the roof.
On completion of building.
Thirty days after completion.
Limit, 90 working days. Plans and
Spec. filed.

BUILDING CONTRACTS

MARIN COUNTY

ADDITION
SAN ANSELMO. All work for one-
story frame and stucco addition to
town hall and fire house.
Owner—Town of San Anselmo.
Architect—Harris Osborn, 31 Madrone
St., San Anselmo.
Contractor—Robert Watson, 15 Yo-
lando Dr., Yolanda.
Filed Mar. 10, '30. Dated Mar. 10, '30.
4 payments

TOTAL COST, \$3660

Bond, \$1830. Surety, Century Indemn-
ity Co. Limit, 60 days. Forfeit,
none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
March 3, 1930—CORTE MADERA.
George W Thierbach to J C Unte
February 16, 1930
March 5, 1930—MARIN. E W Ruhl
to whom it may concern
March 2, 1930

BUILDING PERMITS

STOCKTON

AUTO Sales and service building, \$30-
000; 724 N El Dorado St.; owner,
George F Gilgert, Market and Union
Sts., Stockton; contractor, O.
H. Chain, Bank of America Bldg.,
Stockton.

OFFICE building, \$4900; 1302 E Oak
St.; owner, Monarch Foundry Co.,
Sacramento and Oak Sts., Stock-
ton; contractor, C. E. Totten, 706
Yale Ave., Stockton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
March 12, 1930—BLK 11 South of
Mormon Channel 519 W Scotts
Ave. Emma Weyand to Percy
Hunt. March 11, 1930
March 12, 1930—LOCATION OMIT-
TED. S C Giles to whom it may
concern. March 12, 1930
March 14, 1930—LOTS 26 & 27 BLK
64 of Tracy. Joseph Waserman
to whom it may concern.
May 14, 1930

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
March 12, 1930—LOTS 1, 3, 5, 7 and 9
Blk 87. Thirk Addn to Pacific
Grove Retreat. Alice Susie Mach-
ado to whom it may concern.
March 11, 1930
March 12, 1930—LOT 2 BLK 4 also
a part of Lot 3 Blk 4, Monte Regio
Subdiv. Arthur Hill Gilbert to
whom it may concern.
March 10, 1930
March 12, 1930—PTN of SUBDIV A
of Lot 57 of the Nacional Rancho.
Emiko, Tideo and Yretaka Teraji
to W E Greene. March 10, 1930
March 14, 1930—NLY 20 FT of LOT
11 SLY 20 ft of Lot 10 Blk 1 Spring
& Abbotts Addn. Grover G Hunt
and Clarence J Fegulla to whom

it may concern. March 12, 1930
March 14, 1930—NLY 10 FT of LOT
8 and SLY 30 ft of Lot 7 Blk 1,
Spring & Abbotts Addn. Grover
G Hunt and Clarence J Fegulla
to whom it may concern.
March 12, 1930
March 14, 1930—NLY 40 FT of LOT
9 Blk 1, Spring & Abbotts Addn.
Grover G Hunt and Clarence J
Fegulla to whom it may concern.
March 12, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
March 14, 1930—W ½ OF SW ¼ OF
SE ¼ of Section 34, Township 1,
South Range 7, East, Stockton.
Hayward Lumber & Investment
Co vs W H Pennebaker to whom
it may concern. \$245.69
March 14, 1930—S 10 ACRES OF SW
¼ OF NW ¼ OF SE ¼ OF Sec
20 Township 2, South range 7,
East, Stockton. Hayward Lumber
& Investment Co vs Dave Sch-
midt. \$124.98

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
March 8, 1930—SE COR SEVENTH
and C Sts, Petaluma. Mary Car-
der to Oscar Johnson. Mar. 7, 1930
March 8, 1930—MATHESON Street,
Healdsburg. R D Gilbert to whom
it may concern. March 7, 1930

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount
March 10, 1930—LOT 9 BLK 25, Mc-
Donalds Addn to Santa Rosa. W
R Lippincott to Clifford M Carl-
son. \$1271.37

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 6 room, \$6000; No. 2724
Florence Place, Sacramento; own-
er, Edward Kuechler, 2115 N St.,
Sacramento; contractor, F. H.
Bell, 1306 36th St., Sacramento.
SERVICE station, \$1500; No. 901 Y
St., Sacramento; owner, Standard
Oil Co., Tenth and J Sts., Sacra-
mento; contractor, Lindgren &
Swinerton, 225 Bush St., San
Francisco.
RESIDENCE, 5-room, \$3500; No. 3233
43rd St., Sacramento; owner, S.
Lindroth, 1833 37th St., Sacra-
mento; contractor, H. J. Furlotte.
Ninth and Sylvena Ave., Sacra-
mento.
RESIDENCE, 6-room, \$5500; No. 2208
Ninth Ave., Sacramento; owner
and contractor, N. Lund, 3300
Cutter Way, Sacramento.
GENERAL repairs and additions, \$1-
000; 1915 21st St.; owner, Dr. G.
Spencer, premises; contractor, D.
Tatti, 2116 O St., Sacramento.

APARTMENT house, 34-room, \$25-
700; 1603 P St.; owner, Charles
Mackrell, 1517 17th St., Sacramento
contractor, owner.
STORES, \$7500; 1601-03 F St.; owner,
E. B. Starr; contractor, Fred Betz,
1017 43rd, Sacramento.
SERVICE station, \$6,000; 401 I St.;
owner, W. D. McKoy, 3031 E St.,
Sacramento; contractor, J. D. Ha-
worth.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
March 15, 1930—ISLETON. Southern
Pacific Co to whom it may concern
March 8, 1930
March 15, 1930—LOT 2220 W. & K.
Tract 24 Addition, Sacramento.
Joseph Pedone to whom it may
concern. March 13, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
March 12, 1930—S ¼ LOT 1, F, G
21st and 22nd Sts., Sacramento. J
L Jones vs Clarence Smith. \$313.12
March 13, 1930—LOT 8 Polk Tract,
Sacramento. J Hoisington (as Oak
Park Roofing Co) vs E A Noyes. \$250

March 11, 1930—LOT 6223, Mission
Trecho. Dolan Bldg Material Co
vs Robt O, and D E Dimmick,
Ida Hodge and Nichols & Godding
\$54.35

March 11, 1930—LOT 6224, Mission
Trecho. Dolan Bldg Material Co
vs Robt O, and D E Dimmick,
Ida Hodge and Nichols & Godding
\$54.35

BUILDING PERMITS

FRESNO

SIGN, \$1,000; 2019 Kern St.; owner,
Gundelfinger & Myers, 1254 Ful-
ton St., Fresno; contractor, Ham-
lin Sign Co., 2442 White St., Fres-
no.
DWELLING, \$2,500; 2120 San Benito
St.; owner and builder, Victoria
Kane.
DEMOLISH, \$1,000; 1615-25 Broad-
way; owner and contractor, A. I.
Brown.
ALTERATIONS and additions, \$2500;
2009 East Ave.; owner and build-
er, Bonner Packing Co., premises.
DWELLING, \$3500; 721 Vassar Ave.,
owner, H. C. Sherman; contractor,
Chas. N. McKnight.

COMPLETION NOTICES

FRESNO COUNTY

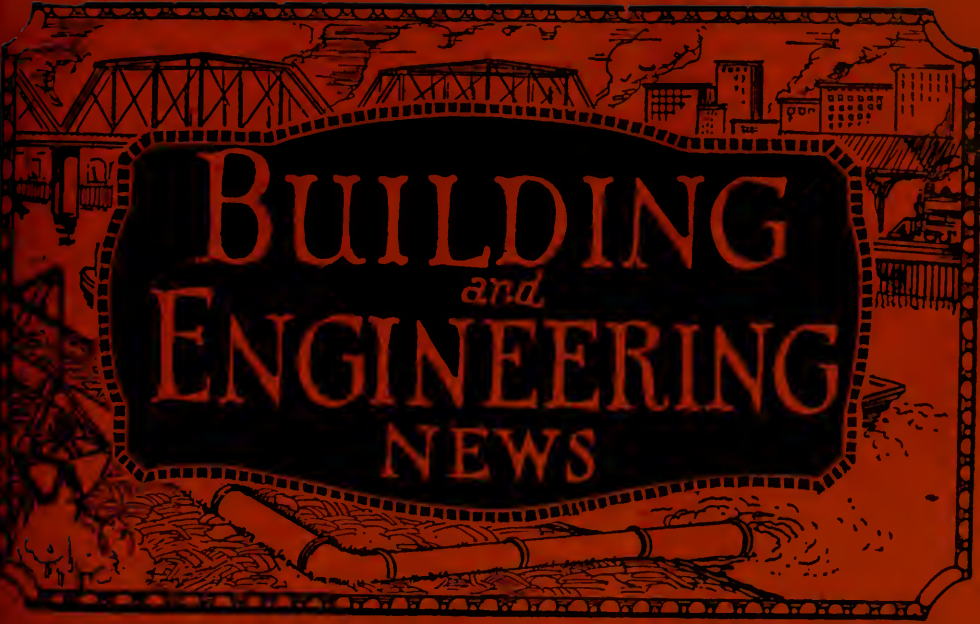
Recorded Accepted
March 12, 1930—LOTS 11 and 12 Blk
13 N Park Terrace. Ernest E
Beam to Chas E Chess. March 11, 1930

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FRED H. BOGGS
INSURANCE
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San Francisco



BUILDING *and* ENGINEERING NEWS

Publication Office
487 Mission Street

SAN FRANCISCO, CALIF., MARCH 29, 1930

Thirtieth Year, No. 13
Published Every Saturday



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., MARCH 29, 1930

Thirtieth Year, No. 13

Subscription terms, payable in advance:
U. S. and Possessions, per year, \$5.00
Canada and Foreign, per year, \$6.00
Single Copies, per copy, 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

ADVERTISING AND WORK HELD TONIC FOR 1930

"The lesson of advertising to business in 1930 is work. Do not advertise if you are not ready to work, to accept the business rewards that good advertising brings. Do not advertise if you want to let your business remain stationary or grow smaller."

This was the gist of an economic survey address delivered before 500 members of the San Francisco Advertising Club by Louis Wiley, business manager of the New York Times.

Wiley referred to the recent stock market debacle by declaring that "business during 1929 turned a corner."

"That's putting it mildly," he said. "We were going too fast when we turned that corner, with the usual results. Whether business was trying to pass the stock market on the road or the stock market was trying to pass business is unimportant. The accident has taken place and our prosperity machine has slowed down temporarily."

Wiley pointed out that "advertising is a fundamental part of the power machine business."

"It is more than just the accelerator," he said. "It is part of the driving force, of the controls, of the steering, of the shock absorbing system, even of the design."

Advertising must and will do its share in returning the country to a normal condition, he believed.

"Advertising has new worlds to conquer," he said. "We do not yet know all the profitable possibilities of this amazing aid to business."

Wiley declared that 33,000,000 copies of newspapers are sold every 24 hours.

"If you are ready to go ahead, to achieve that rate of progress which is prosperity, well planned advertising is the tonic," he advised. "That is the message of advertising in 1930—work and advertise, advertise and work, and prosper."

MACDONALD RE-ELECTED PRESIDENT OF BUILDING TRADES

Frank C. MacDonald of San Francisco, was re-elected president of the California State Building Trades Council at the annual convention of that body held in Sacramento. MacDonald has just completed his eighth term as president of the council, and he was re-elected without opposition. He was vice-president ten years before being elevated to his present post.

Other officers were re-elected as follows: M. F. Connors of Sacramento, first vice-president; James A. Gray of Oakland, second vice-president; J. J. Swanson, secretary-treasurer. Fred Huss was elected a member of the executive board to succeed C. E. Jarman, resigned.

Resolutions were adopted by the convention advocating the adoption of the day working week and recommending the establishment of a \$5 a day minimum wage on state public works. Oakland was selected as the 1931 convention city.

RESEARCH LABORATORY ESTABLISHED BY LUMBER INTERESTS

Additional facilities for searching out data that will be helpful in the manufacturing and marketing of lumber have been set up by the National Lumber Manufacturers Association through the establishment of its own National Lumber Laboratory. This laboratory will occupy space in one of the science buildings on the campus of the Catholic University of America, in Washington, D. C., and will supplement the co-operative assistance now furnished by the Forest Products Laboratory of the U. S. Forest Service and special co-operative investigations made with other laboratories from time to time.

Although the new research unit will be under the direction of the National Lumber Manufacturers Association engineering department, it is planned to attach the technical faculty and student body of the University full and frequent opportunity for observing the progress of and assisting in the work. The NLMA staff will have the advantage of consultation with the chemistry, physics and engineering faculties of the University. This arrangement not only takes advantage of the facilities available of a great university particularly strong in its technical curricula, located within easy reach of the National Association's administrative offices, but it is expected to facilitate dissemination of the results of the research—the University having a high scholastic standing.

CONTRACTORS ARE HELD LIABLE FOR STRAY DYNAMITE CAPS

Dynamite caps left by contractors in the basement of a school building during the school term constituted an attractive nuisance, according to a decision of the Court of Appeals of Kentucky.

The plaintiff, an eight-year-old boy, with some of his schoolmates, had been told to gather up bottles, paper and other refuse around the new building, the court explains in its opinion. They found the dynamite caps in the basement, were attracted by their bright and shiny appearance and put some of them in their pockets.

The plaintiff was injured by the explosion which took place when he placed a cap on a rock and struck it with another rock. The circumstances were such that the defendant contractors might have anticipated that the small children would be attracted by the caps and injured thereby, the court found. It held against the defendants on their contention that the plaintiff was a trespasser and could not recover because of instructions from teachers to keep out of the basement.

ELIMINATION OF LOSSES AIM OF CREDIT BUREAU

Stopping losses for material men and sub-contractors is the sole purpose of the Material Dealers' Credit Association of San Francisco, according to J. E. Higgins, manager of the association.

"In analyzing the speculative conditions that exist in San Francisco," states Mr. Higgins, "we find there is a variation in every building under construction. The important thing before extending credit is not only knowing the general credit references as to the contractor's responsibility, but to know how the building is being financed."

"This association is in a position to give, at a very nominal cost this important information. Our credit compilation not only includes the financial and credit responsibility of the general contractor but also compiles the approximate cost of construction of each building, the valuation of the lot and the mortgages against the property."

"In this way we are in a position to show our members the difference between cost of construction of that specific building. In the event that the contractor or owner is in no position to show that he has sufficient resources to take care of this deficiency we will assist in getting secured order on the mortgage company guaranteeing them payment of their labor and material."

The Material Dealers' Credit Association has offices at 564 Market St.

LOS ANGELES TO HAVE FIRST COUNTY BUILDING CODE

Under plans announced by County Counsel Everett Mattson, Los Angeles county is to have the first county building code law in the United States.

The new code will regulate construction work in all unincorporated districts. The code, when completed, will be the result of five years of cumulative work of the county architect, fire warden, health, planning and mechanical engineering departments to furnish materials for a basis for the code.

Karl Muck, county architect, presented a tentative outline of the proposed regulation before the county board of supervisors for preliminary approval as to the general plan, which will be included in three general ordinances, covering plumbing, electrical wiring and building, giving the county jurisdiction equivalent to the supervision now exercised by incorporated cities.

Strictly fireproof buildings will be named class A, semi-fireproof as class B; class C structures of lower fireproof rating, with class D for residences, in accord with the county's pioneer zoning ordinance enacted in 1927, and will also include supervision of garages and other structures.

CONTRACT AND BOND FEATURES OF CALIF. MECHANICS' LIEN LAW

By HARRY C. WESTOVER, Attorney-at-Law

The Mechanics' Lien Law of the State of California provides that it shall be lawful for the owner of property to protect himself against any failure of the contractor to perform his contract and make full payment for all work done and materials furnished, by exacting a bond or other surety which he may deem necessary.

Owners of property can assure themselves that they will not be called upon to pay more than the contract price agreed upon with the contractor by requiring a bond and filing the contract and bond with the County Recorder of the county in which the property is located before the work is commenced. Sec. 1183 of the California C.C.P. provides for the filing of the contract and bond.

The filing of the original contract between the owner and the contractor or modification of such contract in the office of the County Recorder where the property is situated before the office of the County Recorder of the county where the property is situated before commencement of the work, to an amount not less than 50% of the contract price named in such contract which bond shall in addition to any conditions for the performance of the contract be also conditioned for the payment in full of the claims of all persons performing labor upon or furnishing materials to be used in such work and shall also by its terms be made to inure to the benefit of any and all persons who furnish labor and/or materials on the work described in the contract, so as to give such persons a right of action to recover upon said bond in any suit brought to foreclose liens, or in a separate suit brought on said bond, then the court must, where it would be equitable so to do, restrict the recovery under such liens to an aggregate amount equal to the amount found to be due from the owner to the contractor and render judgment against the contractor and his sureties on said bond for any deficiency or difference there may remain between said amount so found to be due to the contractor and the whole amount found to be due to claimants for such labor or materials, or both.

The owner by requiring a bond from the contractor as described above and by filing the original contract with the bond in the office of the County Recorder of the county in which the property is located can make sure that he will not be called upon to pay a greater sum than the sum as specified in the contract. The filing of the statutory bond does not do away with liens. The bond is substituted for the building and lien claimants can effect collection not from the sale of the building but rather from the bond or bondsman.

The same section provides also that no change or alteration of the work or modification of a contract between the owner and contractor nor release or attempted rescission of such contract or of such bond nor any conditions contained in said contract shall attempt to limit the right of recovery under said contract of laborers and materialmen nor any fraud practiced by other persons other than lien claimants shall release or exonerate any of the surety or sureties upon such a bond. Such bonds will be construed more strongly against the surety and in favor of all persons for whose benefit such a bond is given and in no event will a surety be released from liability to laborers or

This is the eighth of a series of articles prepared for these columns by Harry C. Westover, attorney, of Santa Ana, on the California Mechanics' Lien Law. Other articles will be published from time to time.—Editor.

materialmen for whose benefit such bond is given by reason of a breach of contract between the owner and contractor but the sole condition of recovery on the part of any such person furnishing labor or materials is that such labor or materials has been used or consumed in, or has contributed to the work of improvement to which said bond refers.

If the contract and bond have been filed with the County Recorder of the county in which the property is located no change, alteration, or modification between the owner and the contractor shall effect the rights of lien claimants under the bond.

It is needless to say that contracts between owners and contractors should be reduced to writing otherwise they could not be recorded as required by the lien law. It is not necessary that large detailed drawings made in the course of the work for the guidance of workmen, should be attached to or made a part of the contract. The contract must be signed.

A building contract is not invalid because it does not describe the property to be improved, there being no such requirement in the statute and a mistaken description inserted in the contract as filed does not stop the owner from contesting the validity of liens, the claims of which have followed the description.

The contract and bond must be filed before the work is commenced. The duty of filing the contract and bond rests both upon the owner and upon the contractor. Work of a trivial nature done on the same day although a few hours before the building contract was filed will not avoid the contract. Plans and specifications referred to in the building contract and in accordance with work to be done must be filed with the contract. The original plans and specifications must be filed. In the case of San Francisco Lumber Company vs. O'Neil 52 Pac. 723 a blue print of the original plans and specifications was filed for record. The statute makes no provision of the filing of the copy of the contract or any part of it and the court held "the plans and drawings are as much a part of the contract as the stipulations themselves." Where there are two contracts covering improvements only referring to a separate set of plans and specifications the appropriate set must be properly signed and filed with each contract.

Where the contract and bond are not filed for record as prescribed the validity of the contract is not affected as between the owner and the contractor but the contract price as specified in the contract, no longer effects the issue of the owner's liability of lien claimants, other than the contractor. Where the owner requires the contractor to provide a bond and then does not see to it that the original contract and the bond is filed as required before the commencement of the work, the owner cannot insist that lien claimants look to the bond or bondsman for the satisfaction of their claims. If the con-

tract and bond is not filed in time then lien claimants have a right to hold the building for the amount of all claims.

The statutory provision providing for a bond and the filing of the bond and the contract before the work is commenced, was written for the benefit of property owners. By insisting upon their rights, property owners can be assured that they will not be called upon to pay more than the price as agreed upon in the contract and if the amount of the claim exceeds the amount of the contract price then the owner, after the bond and contract is filed properly, can insist that judgment be taken against the bondsman, but if the contract is not filed in time judgment can be taken against the property.

The only penalty which is imposed because of the non-filing of the contract and bond is the penalty against the property owner, if the bond and contract are filed as required the property is not subject to lien rights for the entire amount due but only for the amount due the contractor but if the contract and bond are not filed when required then the property is subject to all liens found irrespective of the amount which may be due the contractor.

The purpose in requiring a bond to accompany the building contract is to create an additional fund or security for the satisfaction of lien claimants.

It is the duty of the owner to exact the bond from the contractor and file it with the contract and if he fails to do so there is imposed upon the owner the penalty of paying all liens to the extent of the value of work and materials furnished. The failure to file the bond properly destroys its effect as a protection to the owner against liens for the full value of the work done and materials furnished.

The bond as set out in Section 1183 must contain the following provisions:

First: It must be for 50% of the amount of the contract price.

Second: It must provide for payment in full of claims of all persons performing labor or materials on the work.

Third: It must inure to the benefit of all persons performing labor or furnishing materials.

Fourth: It must provide that such persons may bring a separate action on the bond or join the bondsman in a suit to foreclose upon said lien.

GRIDLEY REFUSES TO ACCEPT SEWER PROJECT

Acting upon the recommendation of Norton Ware, city engineer, the city trustees of Gridley, Calif., refuse to accept sewer extension work from the Mathews Construction Company, contractors, as completed.

Ware claims one extension line laid to the extent of 50 per cent of its carrying capacity and says the line is faulty in its jointing and will either have to be repaired or replaced.

The council has advised the contractors no further extension of line will be granted and that all repair and replacement work would be carried to its completion and acceptance of the council under the supervision of an inspector at a cost to the city of \$8 a day.

RESIDENTIAL BUILDING SHOWS INCREASE DURING FEBRUARY

The total estimated cost of all building operations for which permits were issued during February in 290 cities of 25,000 population or over was \$108,513,996, while the January permits totaled \$113,335,288. This is a decrease of 4.3 per cent. However, considering the relative number of days in each month, the daily average for February is above the average for January.

Permits issued for new residential buildings during February showed an increase of 18 per cent over those issued during January in these 290 cities.

There were 8,753 families provided for in the new dwellings which will be erected under the February permits, compared with 6,972 families provided for in the new dwellings for which permits were issued in January. This is an increase of 26 per cent in February, compared with January.

Nonresidential buildings were the only class of building to decrease, comparing the February with the January permits. The decrease in this class of building was 19.4 per cent. Additions, alterations and repairs showed an increase of 4.4 per cent in February over January.

The table below shows the estimated cost of the new residential buildings, new nonresidential buildings, the total building operations (including alterations and repairs), and the number of families provided for in 290 identical cities during January and February by geographic divisions.

Increases were shown in new residential building operations in all of the seven districts except the New England States and the South Atlantic States. In the West North Central States the increase as shown by February permits over January permits for this class of building was over 100 per cent.

Increase in total building operations were registered in the New England States, the East North Central States, the West North Central States, and the South Central States. In new nonresidential buildings four geographical divisions registered decreases and three increases, comparing February with January permits. Permits issued for additions, alterations and repairs during February showed increases over those issued during January in four divisions and decreases in three divisions.

Table 1. Estimated cost of new residential buildings, new nonresidential buildings, and total building operations in 290 cities of the United States having a population of 25,000 or over, by geographic divisions.

Geographic Division	Estimated Cost		New Residential Buildings Families provided for in new dwelling houses			
	Jan., 1930	Feb., 1930	Jan., 1930	Feb., 1930	Jan., 1930	Feb., 1930
New England	\$ 2,252,100	\$ 2,053,900	418	389		
Middle Atlantic	10,710,865	15,018,670	2,027	2,504		
East North Central	7,650,128	8,435,746	1,360	1,293		
West North Central	763,565	1,540,540	214	437		
South Atlantic	4,399,491	2,665,722	756	553		
South Central	2,934,902	5,066,231	823	1,241		
Mountain and Pacific	6,761,710	7,072,114	1,374	2,368		
Total	\$35,472,761	\$41,852,923	6,972	8,753		
Per cent of change		-18.0		+26.0		
Daily average	1,144,282	\$ 1,494,747				

Geographic Division	New nonresidential Bldgs. estimated cost		Total construction (inc. alterations and repairs) estimated cost	
	Jan., 1930	Feb., 1930	Jan., 1930	Feb., 1930
New England	\$ 3,409,240	\$ 3,112,491	\$ 7,350,815	\$ 7,353,477
Middle Atlantic	23,677,400	15,696,597	41,151,624	37,261,634
East North Central	12,956,355	16,229,032	23,186,401	27,480,917
West North Central	1,073,765	2,250,875	2,403,799	4,613,393
South Atlantic	5,275,017	3,541,104	11,021,018	7,496,087
South Central	2,929,594	3,723,800	7,232,388	9,867,403
Mountain and Pacific	12,076,241	4,917,987	20,989,243	14,441,085
Total	\$61,402,612	\$49,476,856	\$113,335,288	\$105,513,996
Per Cent of Change		-19.4		-4.3
Daily Average	\$ 1,980,729	\$ 1,767,031	\$ 3,655,977	\$ 3,875,499

PAVING MATERIAL MADE FROM CLAY AT COLLEGE

According to an Associated Press dispatch from the Pennsylvania State College, road paving in slabs eight feet by 20 feet may be made from common clay deposits in a process developed by Prof. Joseph B. Shaw, head of the ceramics department of the college.

Shaw's method completely reverses the usual clay products manufacturing processes. Instead of forming the object first and then firing it, Professor Shaw fires the clay and then presses or rolls into shape.

Cracking or warping is prevented by sending the product through a furnace to eliminate strains. The process permits the incorporation of reinforcing iron, heretofore impossible because heat firing the clay burned up the iron.

Professor Shaw has been able to stamp out sides for small houses in single pieces and made bricks of light weight and high insulating properties. The discovery is the result of a request of Senator Pine of Oklahoma for a road building material "harder than concrete and cheaper than macadam."

BERGER HEADQUARTERS MOVED TO LOS ANGELES

Western headquarters of the Berger Manufacturing Company of Canton, Ohio, has been moved from San Francisco to 2455 Hunter St., Los Angeles, with A. S. Tiedeman remaining as manager. The San Francisco office will be maintained as a branch with E. A. Reichert in charge. T. M. Hughes, formerly manager of the Los Angeles office, has returned to the Eastern office of the company.

The Berger Manufacturing Company recently consolidated with the Republic Iron & Steel Co., making it the third largest organization of its kind in the United States, according to Mr. Tiedeman. The company is also a subsidiary of the Central Alloy Steel Company of Canton.

UNIFORM BUILDING CODE IN EFFECT IN LONG BEACH

Long Beach now has a uniform building code, the new measure having gone into effect March 10. Long Beach was the seventieth city to adopt the uniform code prepared by the Pacific Coast Building Officials' Conference. According to C. D. Wallis Jr., chief building inspector of Long Beach, at least 90 per cent of the text of the code has been retained. Some changes were necessary to meet conditions in Long Beach and these include the changes intended for the 1930 edition of the conference code.

Since the new code was passed by Council, Chief Inspector Wallis has conducted classes regularly for the benefit of the ten inspectors of the department, going over the code thoroughly with them. Long Beach has had two previous building ordinances, the first being adopted in 1913 and the second in 1924.

MIDDLETON, TIMBERMAN, PASSES

H. L. Middleton, lumber man, died at his home in Boulder Creek, March 19. He was born in Healdsburg, Oct. 4, 1859, and for the past several years was an invalid. In 1882 he settled in Santa Cruz county and became a partner in the Cunningham Lumber Company at Felton. He moved the company operations to Boulder Creek in 1895.

QUANTITY SURVEYORS' INSTITUTE TO MEET AT ST. LOUIS

The fifth annual convention of the American Institute of Quantity Surveyors will be held at St. Louis April 14, 15, and 16, 1930.

Among the addresses scheduled are the following:

Ralf Toensfeldt, manager G. E. Wells, Inc., "The Quantity Surveyor's Status in Relation to the Owner."
Wm. MacDonald, Wm. MacDonald Construction Co., (a) "The Quantity Surveyor and the Contractor," (b) "Estimating Companies and Priced Surveys."

Benjamin F. Thomas, Jr., consulting engineer, "Quantity Survey in Relation to Electrical and Mechanical Engineering."

Paul Soemann, secretary St. Louis Chapter, A. S. H. & V. E., "Quantity Survey in Relation to Heating and Ventilating."

Louis La Beaume, director St. Louis Chapter A. I. A., La Beaume & Klein, architects, (a) "The Architect's Re-

lation to the Building Industry," (b) "The Economical Value of Quantity Surveying."

Wm. T. Trueblood, president St. Louis A. I. A., W. T. Trueblood and H. K. Graf, architects, "Co-operation of Architect and Quantity Surveyor."

Wm. F. Itner, former architect of St. Louis Board of Education, "Modern Professional Practice in Relation to School Buildings."

Wm. C. E. Decker, "Highlights in Quantity Surveying."

Discussion, "Uniform Methods," led by C. L. Weeks, chairman. Plastering, Robert E. Lee, president Contracting Plasterers of San Louis; masonry, R. M. Gillespie, president Mason Contractors' Association of United States and Canada.

The Fresno County Grand Jury, in submitting the annual report to the County Supervisors, recommends adoption of a county building program on the "unit system" and the establishment of a prison road camp for the construction of new highways and maintenance of the present road system.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

California ranked second among the states in building for the month of February. New York, with 44 cities, reports a total of \$29,786,682. California, with 70 cities, reports a total of \$13,430,715. February, 1930, building activities in the 12 leading states follow:

State	No. of Cities	Vol. P'mts
New York	44	\$29,786,682
California	70	13,430,715
Illinois	48	8,495,254
Ohio	25	8,116,546
Wisconsin	20	5,460,502
Pennsylvania	25	5,421,035
Texas	18	5,302,343
Michigan	20	5,246,310
New Jersey	37	4,914,517
Washington	15	4,840,755
Massachusetts	23	4,018,527
Maryland	5	2,874,694

After hearing complaint of California Portland Cement Company and Riverside Cement Company against Southern Pacific Company, The Atchison, Topeka and Santa Fe Railway Company, Los Angeles & Salt Lake Railroad Company and Pacific Electric Railway Company, that the rates maintained by defendant carriers for the transportation of cement in carloads from Colton and Crestmore to main and branch line points on the defendants' lines, north as far as Santa Barbara, south as far as National City and to points south of Monolith, are preferential in favor of Monolith, Oro Grande, and Victorville, the State Railroad Commission has ordered defendant carriers to place in effect a schedule of rates calculated to remove such discrimination.

This inspiring quotation, so characteristic of the spirit of engineering, is inscribed on the medal which has been struck to commemorate the Fiftieth Anniversary of The American Society of Mechanical Engineers. The obverse shows the engineers, symbolized by a man of powerful physique, gazing intently past some typical measuring instruments, indicative of this fundamental function of technique, into the future, the plans for which are shown as being already within his grasp. On the block on which the figure leans is the commemorative inscription and the picture of the Archimedeum challenge which is the chief feature of the seal of the A. S. M. E.: "Give me where to stand and I will move the world." The reverse of the medal symbolizes the past and present of engineering achievement illuminated by the lamp of knowledge which rests upon engineering science.

Specifications covering materials and workmanship, and representing certain standards of finished work are to be submitted to a certification committee of the Oregon Building Congress. The board of directors has decided to actively work on the plan. Any organized group or craft within the construction industry may present these specifications to the certification committee who in turn, if approval is passed, will submit them to the board of directors. Upon approval of the latter standards set forth in the specifications shall be known as certified construction for that group or craft.

By a single vote the Senate on March 21 decided to retain the duties imposed by the House on building bricks—the vote was 35 to 36. Bricks formerly on the free list were placed on the dutiable list by the House at a rate of \$1.25 a thousand on common building brick, and 5 per cent, but not less than \$1.50, on vitrified or ornamented brick.

The Dutch Lumber Association will purchase only from exporters who have a regular agent in that country. If exporters do not have a regular agent or if they use more than one agent, they can sell only to non-members of the lumber union. This piece of information, which should be of interest to American exporters of lumber to Holland, was received recently by the lumber division of the Department of Commerce, from Consul Carol H. Foster, of Rotterdam. The Dutch Lumber Association is composed of softwood and hardwood importers, dealers in cabinet woods catering to the furniture trade, sawmill operators, retailers, dealers in native woods, lumber merchants in Rotterdam and vicinity, and lumber agents. Its object is to attend to matters of general interest to the Dutch lumber industry and trade. The association acts in an advisory capacity to its members in questions pertaining to labor, economic matters, and law.

National Lumber Manufacturers' Association of Washington, D. C., has prepared a concise presentation of the various factors which make wood a successful flooring medium. The 30-page booklet gives a brief description of wood floor construction, touching on the essential details, with a section on the different available woods for floors. Tables are included to show the commercial grades and sizes of flooring lumber in several popular woods. Short sections follow on laying and finishing the wood floor.

Prospects for a revival of the building industry within the next few months are held bright by Chas. G. Johnson, California state treasurer. "The present depression," says Johnson, "is merely temporary and within the near future I predict a spirited revival in the sales of real estate and the construction of buildings. The American public is well aware of the profits to be made in real estate and building and within the next few months money now being held back again will be flowing in its normal channels."

Attorney General U. S. Webb has advised George M. Stout, secretary-member of the California State Veterans' Welfare Board, that it is legal for the board to purchase the equity in a veteran home with a view to making a new sales contract with another approved veteran. The question arose in the case of a veteran who had acquired a \$1,000 equity in a \$4,500 home purchased from the board. He desired to sell and another approved veteran was willing to buy the home at the original price.

Knots in lumber do not seriously affect the stiffness of long timber columns. This is shown in the results of tests on 12-in. by 12-in. by 24-ft. structural timbers made at the Forest Products Laboratory, maintained by the United States Forest Service at Madison, Wis. A simple formula for computing accurately the strength of wooden columns such as are commonly used in buildings, bridges, and other structures has been worked out by the Forest Products Laboratory, where its application was demonstrated in tests on timbers provided by the National Lumber Manufacturers' Association. Application of the formula by engineers and architects, laboratory officials say, will eliminate the use of needlessly high factors of safety in column design with the accompanying use of timbers larger than necessary. The result of this more economical use of structural timber will be reflected in lower costs of wooden construction to the builder and consumer, in opening markets for low-grade material, and in checking the waste of forest products.

The Los Angeles Building and Safety Commission states that the blank for the architect's name on applications for building permits cannot be filled in unless the name used is that of a certified architect or licensed engineer under the state act. This statement appears in red ink on the application blanks being used by the building department.

The American Federation of Labor reports that in the building trades 43 per cent of union workers are out of work. This is 30 per cent more than a year ago and 10 per cent more than in 1928. According to a recent survey, reports from both employers and unions in New York City indicate that unemployment here amounts to 40 or 50 per cent of the 179,000 union membership.

New orders of fabricated structural steel in February, as reported to the Department of Commerce by the principal manufacturers, were 73 per cent of capacity as compared with orders of 63 per cent of capacity in January, and 69 per cent a year ago. Shipments of fabricated-structural steel in January represent 76 per cent of the capacity of firms reporting this item as against 61 per cent in January, and 62 per cent a year ago.

Calaveras Cement Company, at a recent meeting of the board of directors, declared the regular quarterly dividend in the amount of \$1.75 a share on the company's outstanding 7 per cent cumulative preferred stock. The dividend is payable April 15 to stockholders of record March 31, 1930.

Solano County Supervisors have started proceedings for the construction of a \$150,000 sewer system to serve the northern and eastern outskirts of the city of Vallejo.

Construction will be started at once on a modern office and shop building in East Nineteenth St., Eakersfield, for the Sumner Plumbing Company. The company, operating in the Kern County field for the past ten years, was prompted to provide the new and larger quarters due to increased business.

Proceedings have been started by the State Highway Commission for the elimination of the San Juan Grade on the Coast Highway. Construction involved will require an expenditure of between \$300,000 and \$1,000,000.

ALONG THE LINE

Robert P. Coleman has been appointed manager of the Glasson-Hoffman Lumber Co., of San Diego.

Jean Vincenz, Fresno engineer, has filed application with the Fresno City Commission seeking appointment to the office of city engineer.

L. F. Barzelotti, for the past seventeen years city manager of Lodi, died in Stockton March 16, following a heart attack.

G. A. Elliott, formerly general manager and chief engineer of the Spring Valley Water Co., will open offices for general practice and consultation in engineering in San Francisco.

John Hastie, founder and head of the Sound Construction & Engineering Co. of Seattle, died in Los Angeles March 16, following a protracted illness.

J. M. Landram has been appointed Southern California representative of the Donovan Lumber Co. For the last six years he was connected with the Coos Bay Lumber Co. in this territory.

Blaine Noice has been appointed a member of the Los Angeles Building & Safety Commission. Mr. Noice is a structural engineer and was formerly connected with the city building department, engaged in checking plans.

C. E. Grunsky, consulting engineer of San Francisco, and recently elected president of the American Engineering Council, has been appointed consulting engineer for the City Planning Commission of the Greater City of Shanghai, China.

Kerner Incinerator Co., Milwaukee, Wis., has issued an eight page illustrated bulletin describing the estate-type Kernerator, used for disposal of wastes in country estates, schools and similar installations. Copies will be furnished on request.

J. Allen Hall, secretary of the Fresno Irrigation District, has been elected president of the Fresno Engineers' Club. A. Segel, Fresno civil engineer, was named vice-president; R. D. Lohely was re-elected treasurer. Directors are: G. J. Grunland, L. R. Duncan, C. H. Weeks and H. H. Wheaton.

George Washington Smith, 51, architect of Santa Barbara, died in that city March 16 following a year of ill health. He was a member of the American Institute of Architects and the American Art Alliance and was known particularly for his plans on residential construction.

Commending Frank E. Bonner, executive secretary of the Federal Power Commission, whose method of administration were investigated recently by the Senate Interstate Commerce Committee, the San Francisco section of the American Society of Civil Engineers unanimously endorsed resolutions of confidence in Bonner as an engineer and as a very conscientious public official. Copies of the resolution were sent to President Hoover; Ray Lyman Wilbur, Secretary of the Interior; Patrick J. Hurley, Secretary of War, and Arthur M. Hyde, Secretary of Agriculture.

HERE — THERE — EVERYWHERE

San Joaquin county supervisors have authorized preparation of an ordinance creating the office of county electrical inspector. The duties of the inspector will be to protect farmers against poor electrical wiring.

E. M. Einstein has been named by the Fresno county Chamber of Commerce chairman of a committee to investigate present accommodations for county administration offices with a view to recommending a building program.

The "Standard Electrical Ordinance," as recommended by the Pacific Coast Building Officials Conference at its 1929 annual meeting in Portland, Oregon, is now ready for distribution, and may be procured from headquarters at the Conference in the Heartwell Bldg., Long Beach, Calif.

Sponsored by the Oregon Chapter, American Institute of Architects, the extension class of the University of Oregon in architectural design is meeting twice a week in the Oregon Building, Portland. Class is opened at 7 P. M. The instructor in charge of the class is A. Glenn Stanton, associated with Morris H. Whitehouse, Portland architect.

"Building material prices have remained fairly stable during the past month," (February), says the monthly report of S. W. Straus and Company. "Common brick has shown the greatest weakness, average delivered prices dropping a few cents per thousand, and under last month and over 50 cents below 1929. Mill price rises in cement have been reported, chiefly in the Mid-West, which accounts for an increase of six cents in average mill prices. Steel and lumber prices remain about the same as January."

BAKERSFIELD BUILDERS ELECTS OFFICERS

A. J. Hendricks has been elected president of the Bakersfield Builders' Exchange, W. M. Fisher, vice-president and George E. Wilson, treasurer. L. W. Dennen was re-elected secretary.

Directors elected are: V. A. Young, H. C. Evans, Edward Norris, W. M. Fisher, George E. Wilson, W. T. Drury, A. J. Hendricks, C. W. Rodgers, P. J. Stevens, E. A. Felling and Huston Evans.

Headquarters of the exchange are located at 1694 Nineteenth St., Bakersfield.

SEEKS PERMIT TO CONSTRUCT LUMBER LINE RAILROAD

The Washington-Oregon Electric Railway Company, a subsidiary of the Spokane, Portland & Seattle Railway Company, has asked the Interstate Commerce Commission for authority to construct a 30 mile extension in the Willamette Valley, beginning at Eugene and extending thru Oak Hill Pass to Hadleyville and from there to Lorence and on to the Slu-slaw River.

A ten mile branch will extend from Hadleyville to Panther. The new construction will serve an extensive area of fir timber land with an estimated stand of six billion board feet. The territory is without rail service at present.

TRADE LITERATURE

Petroleum Heat & Power Co. of California, with headquarters in San Francisco, has opened a factory branch at 12 Third Ave., San Mateo. H. S. Frazier is in charge.

Otto J. Nickel and Robert H. Ruble have opened quarters at 2411 Belmont Ave., Fresno, and will engage in the electrical business, operating under the name of Nickel Electric Shop.

The Renton, Wash., plant of Gladding and McBean will produce all brick required in the construction of the new King County Hospital to be erected in Seattle. The structure will cost \$2,500,000.

San Jose Heating and Ventilating Co., heating contractors and consulting engineers, announces the opening of offices at 14 Gummer Arcade Building, 123 S 3rd St., San Jose, under the management of W. K. Nottingham.

Enterprise Iron Works, operated by W. J. Patterson and H. E. Richardson has opened quarters at 950 56th St., Oakland, and will engage in the manufacture and fabrication of structural steel and specialize on small buildings such as service stations.

Jason C. McCune, connected with the trade extension and statistical departments of the West Coast Lumber Association at Seattle since 1927, has been assigned to Southern California territory with headquarters at 910 Architects' Bldg., Los Angeles.

Rio Linda Lumber Co., of Rio Linda, Sacramento county, has been incorporated. The company is capitalized at \$50,000. G. H. Clark is manager. Other officials of the new concern are Stanley Feder and W. S. Bayless of Berkeley, and R. D. Carmiencke of San Francisco.

E. R. De Graf, for many years associated with the paint department of Paraffine Companies, Inc., as manager, has resigned to become vice-president and general manager of the Southern Asbestos & Magnesia Corporation with headquarters in Los Angeles. He is succeeded in San Francisco by L. K. Bishop.

Layrite Floors Corporation, designers, manufacturers and distributors of "hardwood floors of character," announce the opening of new and larger quarters at 1463 Third street, Oakland. The company was formerly located at Fifth and Grove streets. Increased business in the East Bay section necessitated the move. The Layrite Floors Corp. holds a membership in the Oakland Builders' Exchange and the Hardwood Floor Contractors' Association.

Citizens of Fallon, Nevada, rather than accept the increase rates of the Nevada Valley Power Company, contemplate the construction of municipal power plant to cost \$110,000.

The Supervising Architect of the U. S. Treasury Department is said to have voiced his approval of using local stone and other materials in the proposed new \$1,500,000 post office to be erected in Oakland. Plans for the structure are now being prepared.

TRADE NOTES

Architects, engineers and contractors will be interested in the 20-page catalogue of specifications covering uses and application of T. W. C. products, that is being distributed by The White Company of Baltimore, Maryland. The catalogue gives a general outline of the practical uses of a few of the preservative products manufactured by The White Company, including dampproofing and waterproofing products, painting products, floor hardeners and floor preservatives.

A monthly magazine of interest to the building trade entitled "The Pug Mill" is being published by the Acme Brick Company of Fort Worth, Texas. This 8-page magazine contains valuable and interesting material on face brick, including cost tabulations and comparisons.

The Westinghouse Electric & Mfg. Company, East Pittsburgh, Pa., announces a new booklet entitled "Stop Waste" published as a contribution to the continuous campaign for the elimination of waste in American industry carried on in connection with the movement sponsored by the American Society of Mechanical Engineers with the cooperation of the American Management Association. The booklet presents some of the methods used by Westinghouse Electric in conducting a campaign for waste elimination and prevention, containing, in addition to the text, photographs of exhibits that have been used in the shops to demonstrate how waste can be reduced. Shown on the last page of the sixteen page publication are the savings effected by several nationally known companies by their participation in the campaign against waste. This book can be obtained from the Westinghouse Electric & Manufacturing Co. by requesting Special Publication 1840-A.

PACIFIC COAST AGGREGATES IN FIRST REPORT

Pacific Coast Aggregates, Inc., which commenced operations last September as a consolidation of the principal rock and gravel companies of Central California, reports net income for 1929, after all charges except depreciation and depletion and amortization of bond discount, of \$318,702.70, which is three and seven-tenths times interest on first mortgage bonds. After this deduction there remained a balance equal to six and six-tenths times interest requirements on its debentures.

Balance sheet as of December 31, 1929, shows current assets of \$1,829,163.04, from which \$31,123.67 was deducted as a credit to the depletion fund, leaving total current assets of \$1,798,039.37, of which \$731,263.43 is in cash or on deposit or has been loaned on liquid securities. Current liabilities amount to only \$556,925.59, leaving net current assets of \$1,271,113.78, during plants were operating continuously and seven intermittently, while fifteen distributing plants were operating all or part of the time. Three distributing plants have been leased to other dealers on short-term leases. Production up to January 1, 1930, was approximately 1,141,000 tons of rock, sand and gravel, approximately 70 per cent of this being rock and gravel. Total tonnage sold was 1,228,600 tons, the amount over producing coming from outside purchases and stocks turned over by predecessor companies.

Total sales of building material to January 1 was \$786,900; the total sales of fuel \$105,400. Orders for rock, sand and gravel booked, but not shipped, to January 1 was 777,000 ton*.

MEXICAN HIGHWAY COMMISSION MEETS NEXT MONTH

A delegation of more than 125 highway engineers and road building executives will journey to Mexico City in April to attend the third highway congress of the Mexican national highway commission, it was announced in Washington.

Mal. Frederic A. Reimer, president, and Charles M. Upham, engineer-director of the American Road Builders' Association, will be joined by the Association's executive committee in forming a party to leave Washington April 15 in special cars direct to the Mexican capital. This group will be joined at Chicago, St. Louis and way points by several score members. They will travel by way of San Antonio and Laredo, Texas, and Monterrey, Mexico. Reduced railroad fares will be in effect from all points in the United States to Mexico City and returning.

Arriving, the visitors will face a busy week with the congress and its attendant exposition of road building machinery and materials sharing the program with entertainment features in which the United States delegates will be honor guests.

They will be received by Mexico's president, Senior Ortiz Rubio and his cabinet and attend a rodeo and other open air events. Side trips to many points of romantic and historic interest have been arranged.

Many American manufacturers will send machinery and pictorial exhibits for the exposition which will be staged in the huge national stadium. The enthusiasm throughout Latin America for road building is exemplified in Mexico, where highway systems now under way will reach all parts of the nation.

The congress expects to form a permanent committee to coordinate the road building activities of all the Mexican states with the federal program.

ESSENTIALS OF ARCHITECTURE

The three essentials of great architecture are proportion, dignity and refinement, said Norman Shaw, the famous English architect.

Whether it be the peerless grace of the Taj Mahal, the combined mass and delicacy of Fontainebleau, the Gothic poetry of Milan, the Grecian purity of St. George's Hall, Liverpool, the stately Capitol at Washington, or one of our modern business buildings, by these three qualities—proportion, dignity and refinement, we may praise architecture of buildings.

JOSEF JACOBBERGER, PORTLAND ARCHITECT, PASSES

Josef Jacobberger, a member of the firm of Jacobberger & Smith, architects of Portland, Ore., died in that city March 18, as the result of a heart attack.

Mr. Jacobberger was 62 years of age. Born in Alsace-Lorraine, he came to this country when he was two years old, living in Omaha, Nebraska, during his earlier school days. After he reached his twentieth birthday, the architect left his home to start work in various cities located in the Middle West. He was in New York during part of this time and also in Minneapolis. He went to Portland in the 90's.

ARCO COMPANY WILL ERECT PLANT IN LOS ANGELES

The Arco Company of Cleveland, has selected Los Angeles as the location for its new paint plant to serve the Western, Latin American and Oriental trade.

A survey of Western and export business conditions made by S. D. Wise, president of the company, and S. D. Weil, vice-president, was responsible for the decision to construct a West Coast plant.

The rapid industrial growth of California with the greatly increased volume and variety of manufactured products being made in the West, prompted the directors of the Arco Company to locate a plant on the Coast to take care of this increased volume.

The plant will consist of three brick buildings, with metal trim and concrete floor construction, totaling 16,500 feet of floor space. The factory buildings will include a paint manufacturing plant, 100 by 100 feet, a lacquer plant, 50 by 100 feet, and a varnish plant, 30 by 60 feet. The new plant's output will include the company's complete line of paints, lacquers, varnishes and enamels.

The new factory will be known as the Arco Company Limited of California, and will be under the general direction of Howard Wise. Howard Raeney will be general sales manager and E. B. Hagar, who has been manager of the San Francisco branch will be made district manager, with headquarters in Los Angeles. In addition to the Los Angeles plant the Arco Company operates factories in Cleveland, Ohio, and in Toronto, Ontario, Canada.

RUSSIAN LUMBER EXPORTS TO ENGLAND EXAGGERATED

Exports of sawed lumber from Russian ports to the United Kingdom during the 1930 navigation period will not exceed 1,287,000,000 board feet, according to a report from James Somerville, Jr., Trade Commissioner at London, to the Lumber Division of the Department of Commerce. This is a reduction of almost 200,000,000 board feet from the original estimate made by Russian authorities.

Even 1,287,000,000 board feet (which is almost 200,000,000 board feet in excess of Russian lumber exports to England in 1929) will not be realized, predicts a British lumber journal, and ascribes four reasons for its prediction: First, Russian resources were strained to get out 1,089,000,000 board feet in 1929; second, the unlikelihood of a recurrence of the open shipping season, which alone made possible the fulfillment of the 1929 program; third, it is understood that the Russians made use last year of a large quantity of logs which in the ordinary way would have been cut into lumber in 1930; fourth, the unusually mild winter of 1929-30 which has greatly retarded logging operations. Of interest in this connection also, is the report of the Russian Republic that the program for timber procurements up to January 10 was only slightly more than one-half filled for firewood and oriented for lumber.

Polish lumber products were almost completely eliminated from the British market in 1929 by Russian lumber, which was much lower in price, according to a report from Charles H. Heisler, Consul at Warsaw, Poland. That much of the Russian lumber exported to the Hull district in England during 1929, was of inferior quality and discolored, was reported by A. J. McConico, Consul at Hull.

STUDY OF ECONOMIC HEIGHT OF SKYSCRAPER IN BOOK FORM

"The Skyscraper—a study of its economic height," by W. C. Clark and S. L. Kingston, published by the American Institute of Steel Construction, New York. Price \$2.00 postpaid.

The authors of this volume are recognized authorities in their respective fields. They headed up a special committee of experts authorized by the organization of steel constructors of North America to make an investigation into the economics of tall buildings. The material in this volume of more than 160 pages was drawn from the data collected by that committee. It presents a fascinating discussion of the problem and in offering a solution reproduces the tables, charts and calculations made by the experts employed.

The work of presenting the findings was left largely to Mr. Clark, whose style is lucid and entertaining. As economist and now as Vice President of S. W. Straus & Co., Mr. Clark has had intimate acquaintance with skyscraper construction and management. He writes with his whole interest in the matter.

Not alone have the economic phases of building been analyzed, charted and diagrammed, but the authors have seen fit to include in their discussion, many of the contributing phases of the subject. Substituting congestion, health of occupants, air and light, merger of properties, all have a bearing upon the question and these matters have not been overlooked. Their handling in this volume will be provocative of much constructive thinking.

TWALTS SCHEDULED TO HEAD ROCK PRODUCTS CORP.

Appointment of Ford J. Twalts, executive vice-president of Consolidated Steel Corporation since the organization of that company in January of last year, and previously a partner in the building firm of Scofield-Twalts Company, as general manager pro tem of Consolidated Rock Products Company of Los Angeles with his election to president scheduled for the next directors' meeting is announced.

The announcement followed decision of George A. Rogers, former head of Union Rock Co., until its merger into Consolidated Rock, and for the past six months general manager of the past six months general manager of the latter organization, to resign to devote his entire attention to his own varied business interests.

MEXICAN BUILDING PROJECT AID IN MATERIALS DEMAND

Mexico City is undergoing one of the most important building expansions in its history, which is expected to produce a much increased demand for construction materials, according to a report from the consul general, William Dawson, according to an announcement by the U. S. Department of Commerce.

This is particularly true in regard to the new residential districts which have been opened up. There has always been a certain percentage of the population whose standard of living has been high, and to these are now added the constantly growing middle class.

Imports of sheathing and building papers from the United States during the last four years have averaged 450 short tons annually, the largest shipments having been made in 1929, when they reached a total of 524 tons, valued at \$36,682.

In addition \$13,747 square feet of insulating and wall board valued at \$35,572 were imported compared with 529,275 square feet valued at \$21,761 in 1928.

PACIFIC COAST HARDWOOD FLOOR DEALERS ELECT

C. M. Cooper of Los Angeles was re-elected president of the Pacific Coast Hardwood Floor Dealers' Association at the annual convention held in Del Monte. B. E. Bryan, Oakland, was elected vice-president and G. C. Gearhart, Los Angeles, secretary.

Directors elected were: E. E. Hill, Portland; Roger Sand's, Seattle; H. W. Swafford, Los Angeles; C. H. White, San Francisco; J. E. Higgins, San Francisco; F. J. Connolly, Los Angeles; Jerry Sullivan Jr., San Diego; George H. Brown, Oakland, and Bryan and Gearhart.

MERITS OF RIGID CONDUIT TOLD IN BOOKLET

Appreciating the difficulties often experienced by architects, engineers, electrical contractors, and builders in puzzling out the numerous variations in electrical codes and ordinances governing the protection of wiring systems in the buildings, the Rigid Conduit Section of the National Electrical Manufacturers Association sets forth in a new booklet the merits of rigid conduit as the means of providing maximum protection for all wiring systems and as the only type of raceway which is not limited in use by any restrictive requirements and regulations.

"Safeguarding Wiring Systems for Buildings" opens with a brief history of the origin and development of rigid conduit. Description follows of its value for protecting electrical conductors during construction operations from damage of other trades, principally carelessly driven nails, corrosive acids or fumes, blocking of raceways, and direct mechanical injury, as well as its continuance of thorough protection for the wires during the life of the building.

The next two chapters are devoted to the adaptability of rigid conduit in residences, farm, office, commercial and public buildings; and the relative cost of wiring systems. The last page outlines a brief, effective specification for rigid conduit in any type of structure.

Copies of this booklet may be had without cost upon request to George H. Sicard, Secretary of the Rigid Conduit Section, 603 Gas & Electric Bldg., Utica, New York.

WOOD UTILIZATION BODY TO MEET MAY 2

The National Committee on Wood Utilization of the Department of Commerce will hold its annual meeting on May 2 in the Department of Commerce Bldg., Washington, D. C.

Secretary of Commerce R. P. Lamont, the Committee's chairman, will deliver the opening address, says an announcement by Axel H. Oxholm, the director of the Committee.

While the general subject for discussion at this meeting will be the projects of the Committee, special attention will be devoted to its activities in the building and construction field.

The Committee is composed of 20 members representing more than 80 trade associations interested in intelligent utilization of wood.

GLADDING, McBEAN AUTHORIZED TO ISSUE STOCK

Gladding, McBean & Co. is authorized by the State Corporation Commission to issue 4450 and 31-50 shares of common stock to stockholders of record March 20.

The authorization is for the regular semi-annual 2 per cent stock dividend of the company, which will transfer from surplus to capital \$28.83 for each share issued, or a total of \$128,832. The issue is made under condition that the aggregate book value of the stock issued shall not exceed the accumulated surplus profits of the company.

The company also declared the regular quarterly cash dividend of 75 cents, payable April 1 to stock of record March 20.

WELDING WIRE RESEARCH

Facts concerning wire research that every welder should know. Tells why ordinary wire will not do for welding, and the effects of impurities on the finished weld. A complete discussion on testing welded plate specimens, shows why the testing procedure should be considered before judging the results from tests on such specimens. Facts concerning the use of a proper flame and a proper welding current are given in detail. The book also shows how to test welding wire by the flame test. Copies of Welding Wire Research may be obtained by addressing the Page Steel & Wire Company, 230 Park Ave., New York, N. Y.

STATE PRISON SITE IN SO. CALIFORNIA HITS SNAG

Lyman M. King, state director of finance, and a member of the site selection committee for the new prison for first offenders between the ages of 18 and 24, declares that he will oppose the Bouquet canyon site, in Los Angeles County, near Saugus, favored by the legislative advisory committee, unless the city of Los Angeles guarantees an adequate water supply.

The 1926 legislature appropriated \$375,000 to be used for the purchase of a suitable site in southern California for the new junior prison.

King was questioned after it was apparent the reports of the technical and legislative committees differed widely.

Acquisition of the metal lath division of the Youngstown Pressed Steel Company, Warren, Ohio, is announced by the United States Gypsum Company. Something more than a year ago the United States Gypsum Company entered the metal lath field, and growth of the business has made necessary increased production and distribution facilities. That part of the Youngstown Pressed Steel Company's business acquired will continue under the same sales and operating personnel as the Youngstown Pressed Steel Metal Lath Division of the United States Gypsum Company. Only the metal lath division was acquired. Other divisions of the company will be operated by the Youngstown Pressed Steel Company as heretofore. Metal lath products manufactured by the Milwaukee Corrugating Company and sold by the United States Gypsum Company under its Red Top Brand will be actively continued.

Building News Section

APARTMENTS

Preparing Plans.
APARTMENTS Cost, \$—
LOS ANGELES, Los Angeles Co., Cal.
 Franklin Ave., bet. Vine St. and
 Argyle Ave.
 Eight-story Class A apartments.
 Owner—Security Improvement & Fi-
 nance Co., Los Angeles.
 Architect—Milton M. Friedman, 338
 N. Normandie Ave., Los Angeles.

Plans Being Completed.
APARTMENTS Cost, \$60,000
CARMEL, Monterey Co., Cal. Dolores
 and Seventh Sts.
 Three-story frame and stucco apart-
 ments and stores (Spanish type;
 80x100-ft.)
 Owner and Builder—Hugh W. Com-
 stock, Carmel.
 Plans by Mr. Comstock.
 It is expected that bids will be asked
 in about 30 days.

Bids Being Taken.
APARTMENTS Cost, \$175,000
SAN FRANCISCO, NE corner Buena
 Vista Ave. and Waller St.
 Six-story class C basement and sub-
 basement apartment building (36
 2- and 3-room apts. and one 10-
 room apt.)
 Owner—Suncal Investment Co.
 Architect—Albert H. Larsen, 447 Sut-
 ter Street.

Bids Opened—Contract Awarded.
APARTMENTS Cost, \$19,885
CASTROVILLE, Monterey Co., Cal.
 Two-story and basement frame and
 stucco or brick apartment build-
 ing (18 rooms; Spanish type).
 Owner—Mrs. Franco.
 Architect—W. H. Weeks, Hunter-
 Dulin Bldg., San Francisco; 1736
 Franklin St., Oakland, and Bank
 of Italy Bldg., San Jose.
 Contractor—Carl N. Swenson, 47 W.
 Santa Clara St., San Jose.

Will contain large dining room, lob-
 by, booths and banquet halls. Fol-
 lowing is complete list of bids re-
 ceived:
 Carl N. Swenson, San Jose.....\$19,885
 M. J. Murphy, Carmel.....\$19,889
 The Minton Co., San Jose.....\$21,309
 W. A. White, Watsonville.....\$21,962
 Fred McCrary, Monterey.....\$22,465
 T. T. Wallstrum, Salinas.....\$22,948
 Albert Gatti, Monterey.....\$23,080

Commissioned To Prepare Plans.
APARTMENTS Cost, \$1,200,000
LOS ANGELES, Cal. Wilshire Blvd.
 and Highland Ave.
 Thirteen-story and basement Class A
 reinforced concrete apartments
 (60x180 ft.)
 Owner—John I. Phillips, 144 S. Orange
 Drive, Los Angeles.
 Architect—Alec Curlett, Union Bank
 Bldg., Los Angeles.
 Contractor—J. V. McNeil Co., 5360
 Avalon Blvd., Los Angeles.

Preparing Working Drawings.
APARTMENTS Cost, \$750,000
LOS ANGELES, Cal. No. 436 N. Ross-
 more Ave.
 Eight-story and basement Class A
 reinforced concrete apartments.
 (150x140 ft.)
 Owner and Builder—H. Feigenbaum &
 Sons, Union Bank Bldg., L. A.
 Architect—Lester T. Squires, Mutual
 Life Bldg., Los Angeles.

Owner Taking Sub-Bids.
APARTMENTS Cost, \$75,000
SAN FRANCISCO, Cervantes & Scott
 Streets.
 Three-story and basement frame and
 stucco apartment with tile roof
 (13 3- and 4-room apts.)
 Owner and Builder—Ben. Liebman,
 Scott and Prado St.
 Architect—Irvine & Ebbetts, Call Bldg.
 Will contain all modern conven-
 iences, including steam heat, hot wa-
 ter system, etc.

Sub-Bids Being Taken.
APARTMENTS Cost, \$75,000
SAN FRANCISCO, SE North Point
 and Broderick Sts.
 Three-story and basement frame and
 stucco apt. (15) bldg
 Owner and Builder—T. I. Strand, 822
 25th Ave.
 Architect—L. O. Ebbetts, Hobart Bldg.
 Construction is to be started short-
 ly.

Sub-Bids To Be Taken Within a Few
 Days.
APARTMENTS Cost, \$175,000
SAN FRANCISCO, N Clay St. bet.
 Franklin and Gough Sts.
 Six-story steel frame and reinforced
 concrete apts. (24 5- and 6-room
 apts.)
 Owner & Builder—A. J. Falvey, Stan-
 yan and Page Sts.
 Architect—H. C. Baumann, 251 Kear-
 ny Street.
 Engineer—James Smith, 251 Kearny.

Ornamental Iron Contract Awarded.
APARTMENTS Cost, \$150,000
SAN FRANCISCO, Ellis Street west
 of Larkin St.
 Six-story class C steel frame and
 concrete apartments (40 two-room
 apts.)
 Owner and Builder—J. G. Kincannon,
 1706 Geary St.
 Architect—H. C. Baumann, 251 Kear-
 ny Street.

Ornamental Iron—Patterson & Kos-
 ter Iron Works, 280 13th St.
 Other awards previously reported.

Planned.
APARTMENTS Cost, \$—
HOLLYWOOD, Los Angeles Co., Cal.
 Franklin Ave. and Vine Street.
 Twelve-story Class A steel frame
 apartments (120x130 feet).

A Demonstration of the SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
 (Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1222 Mission St. UNDERhill
 San Francisco 1267

Owner and Builder—Harry Feigen-
 baum & Son, Union Bank Bldg.,
 Los Angeles.
 Architect—Max Maltzman, Union Bk
 Bldg., Los Angeles.

Sub-Contracts Awarded.
APARTMENTS Cost, \$30,000
SAN FRANCISCO, NW Twenty-fifth
 Ave. and Lake St.
 Six-story and basement Class ()
 apartment building (12 apts.)
 Owner and Builder—L. B. Ham, 10
 Montgomery St., San Francisco.
 Architect—E. M. Sharpe, 105 Mont-
 gomery St., San Francisco.
 Steel—Western Iron Works, 141 Beal
 St., San Francisco.
 Concrete—Vannucci Bros. Const. Co.
 1875 San Bruno Ave., San Fran-
 cisco.

Owner Taking Sub-Bids.
APARTMENTS Cost, \$55,000
ALAMEDA, Alameda Co., Cal. Sant
 Clara Ave.
 Three-story frame and stucco apts
 (21 2- and 3-room apts.)
 Owner & Builder—W. C. Thorpe, 111
 Regent St., Alameda.
 Architect—Paul V. Tuttle, 337 17th St.
 Oakland.

Excavating Contract Awarded.
APARTMENTS Cost, \$170,000
OAKLAND, Alameda Co., Calif. 28
 Lennox Ave.
 Six-story and basement steel fram
 and concrete apartment buildin
 (36 2- 3- and 4-room apts.; 10
 rooms).
 Owner and Builder—Albert Kroll, 311
 Deakin St., Oakland.
 Architect—Willis Lowe, 354 Hobar
 St., Oakland.
 Excavating—J. Catucci 1212 18th Ave
 Oakland.

As previously reported, structure
 steel awarded to Herrick Iron Wks
 18th and Campbell Sts., Oakland.

BONDS

WINTERS, Yolo Co., Cal.—Trustee
 of Winters School District will call
 election shortly to vote bonds of \$16,
 000 to finance erection of a new gram-
 mar school. Chas. E. Day and P. W.
 Thornberry are two of the trustee
 of the district.

FALLON, Nev.—Election will be
 held April 5 in Consolidated School
 District "B" to vote bonds of \$21,000
 to finance erection of additions to the
 present Oats Park School and the in-
 stallation of heating system and
 plumbing in the West End School.

JAMESTOWN, Tuolumne Co., Ca.
 —Jamestown School District vote
 bonds of \$18,000 to finance erection of
 a new school to replace structure de-
 stroyed by fire. A site for the pro-
 posed structure is yet to be selected.

CHURCHES

BAKERSFIELD, Kern Co., Cal.
 Construction will be started short-
 ly on a \$30,000 edifice for the Church of
 the Nazarene frame and plaster con-
 struction; main auditorium to sea
 500. Plans by F. W. George of Pasadena.
 Building Committee consists of
 Rev. James H. Sturgis, pastor; F. M.
 Frye, C. G. Almgren, H. B. Reimer,
 S. L. Jones, Walter White and H. D.
 Huffman.

Contract Awarded.
CHURCH Cost, \$75,000
SANTA BARBARA, Santa Barbara
Co., Cal. Arrellaga and Santa
Barbara Streets.
Frame and stucco church.
Owner—Unitarian Church (Rev. Edw.
P. Daniels, Pastor).
Architect—E. Keith Lockard, 117 De
la Guerra, Santa Barbara.
Contractor—Andrew Jensen, 220 E.
Figueroa St., Santa Barbara.

Sub-Contracts Awarded.
CHURCH Cost, \$—
FRESNO, Fresno Co., Calif. Belmont
Ave. and Thesta St.
Frame Gothic type church, 35x65-ft.
Owner—Trinity Lutheran Church.
Architect—C. E. Butner, Cory Bldg.,
Fresno.
Contractor—Walter Harris, Fresno.
Concrete—E. H. Brostrom.
Mill Work—Hollenbeck-Bush Planing
Mill Co.
Roofing—Kellner & Ton Lbr. Co.
Lath and Plaster—N. L. McKenzie.
Plumbing—Barrett-Hicks Co.
Heating—Devlin-Drew Co.
Electric Work—Electric Const. Co.

Contract Awarded.
CHURCH Cost, \$750,000
LOS ANGELES, Cal. Sixth St., bet.
Commonwealth Ave. and Hoover
Street.
Class A reinforced concrete church
(300x220 ft.)
Owner—First Congregational Church
of Los Angeles.
Architect—Allison & Allison, California
Reserve Bldg., Los Angeles.
Contractor—Richard Neustadt Constr.
Co., W. M. Garland Bldg., Los
Angeles.
Will be church building to cost
\$380,000; chapel at \$50,000 and educa-
tional building to cost \$220,000.

Plans Being Completed.
CHURCH Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal.
Two-story brick church.
Owner—Roman Catholic Bishop (St.
Stephen's Parish).
Architect—Harry Devine, California
State Life Bldg., Sacramento.
Bids will be taken in about two
weeks.

DINUBA, Tulare Co., Calif.—First
Baptist church will rebuild church at
 Kern and Sts. destroyed by fire
 last December.

FACTORIES AND WARE- HOUSES

Sub-Figures Being Taken.
REAMERY Cost, \$14,000
OAKLAND, Alameda Co., Calif. NE
East 12th St. and 42nd Ave.
One-story brick and tile creamery
building.
Owner—R. Wadsworth, 69 Santa Clara
Ave., Oakland.
Architect—None.
Contractor—W. C. Marshall, 1727 Web-
ster St., Oakland.

Plans Being Figured.
REAMERY Cost, \$65,000
OAKLAND, Alameda Co., Cal. San
Pablo Ave. and Athens St.
One and two-story brick and tile
creamery.
Owner—Willow Brook Dairy.
Architect—Diggs & Marshall, Inc.,
Latham Square Bldg., Oakland.

Sub-Contracts Awarded.
WAREHOUSE Cost, \$40,000
OAKLAND, Alameda Co., Calif. SW
Sixth and Webster Sts.
Two-story brick warehouse.
Owner—Chas. E. Snook, Central Bank
Bldg., Oakland.
Architect—A. R. Froberg, 520 Ray
Bldg., Oakland.

Contractor—H. J. Christiansen, 519
Ray Bldg., Oakland.
Lumber—Sunset Lumber Co., Oakland
Concrete—J. H. Fitzmaurice, Oakland.
Brick Work—S. McPherson, Oakland.
Miscellaneous Iron—Independent Iron
Works, Oakland.

Sub-Blds Wanted.
WAREHOUSE Cost, \$12,000
SAN FRANCISCO. NW Fourth and
Walsh Sts.
One-story and mezzanine concrete
warehouse.
Owner—Max Levy.
Architect—O. A. Dieckmann, 111 Sut-
ter Street.

Plans Being Completed.
FACTORY Cost, \$—
OAKLAND, Alameda Co., Cal. Lo-
cation Withheld.
Three-story frame factory.
Owner—Withheld.
Architect—Chas. W. McCall, 1404
Franklin St., Oakland.
Plans will be ready for figures in
one week.

Plans To Be Prepared.
DYEING CLEANING PLANT Cost, \$10,000
VALLEJO, Solano Co., Cal. Lot 9
Blk 219-A near Pennsylvania and
El Dorado Sts.
One-story fireproof dyeing and clean-
ing plant.
Owner—Monetta Biss., 500 Georgia
St., Vallejo.
Architect—Not Selected.

Contract Awarded.
FACTORY Cost approx. \$90,000
SAN FRANCISCO. NW Seventh and
Brannan Sts. (110x160-ft.).
Two-story, basement and mezzanine
floor brick factory.
Owner—N. A. Petersen, president Cal-
ifornia Supply Co.
Architect—J. E. Krafft & Son, Phelan
Bldg.
Contractor—Einer C. Peterson, 1290
Hayes St.

To Be Done By Day's Work by Owners
SHELTER BLDGS. Cost each \$10,000
SAN FRANCISCO. Fifth St. between
King and Berry Sts.
Two 1-story steel frame shelter bldgs.
Owner and Builder—Southern Pacific
R. R. Co., 65 Market St.
Architect—Eng. Dept. of Owner.

Plans Being Figured.
WAREHOUSE Cost, \$12,000
SAN FRANCISCO. NW Fourth and
Walsh Streets.
One-story and mezzanine concrete
warehouse.
Owner—Max Levy.
Architect—O. A. Dieckmann, 111 Sut-
ter St., San Francisco.

Plans Being Completed.
ADDITION Cost, \$—
SAN FRANCISCO. Eighth St. near
Folsom St.
Four-story reinforced concrete addi-
tion to present laundry.
Owner—Galland Laundry Co., 301 8th
Street.
Architect—Hyman & Appleton, 68 Post
Street.
Bids will be taken in about three
weeks.

Plans Being Completed.
WAREHOUSE Cost, \$—
OAKLAND, Alameda Co., Cal. 14th
Ave. and E-14th St.
Three-story factory and warehouse
(wood and steel frame, rein. con-
crete and hollow tile construction).
Owner—Caldow Paint Co., 1422 14th
Ave., Oakland.
Architect—Chas. W. McCall, 1404
Franklin St., Oakland.
Bids will be called for shortly.

Plans Being Prepared.
FACTORY Cost, \$100,000
STOCKTON, San Joaquin Co., Calif.
Location Not Selected.
One-story frame chemical factory.
Owner—Rose International Chemical
Co., 330 E Channel St., Stockton.
Architect—Not Selected.

NEVADA CITY, Nevada Co., Cal.—
Alfred J. Heether of Nevada City and
W. Grant of Camptonville, plan
immediate erection of a sawmill four
miles west of Camptonville; will have
capacity of 1,000,000 ft. per season.
Considerable machinery has already
been purchased.

WILLOWS, Glenn Co., Cal.—W. B.
Hardin, grain and poultry broker, will
shortly let a contract for a one-story
business and warehouse structure, 40
by 100-ft., at the NE corner of Sycam-
ore and Colusa Sts.

Fire Wall Contract Awarded.
DISTRIBUTION PLANT Cost, \$50,000
ALAMEDA, Alameda Co., Cal. North
End of Grand St.
Distribution plant.
Owner—Union Oil Co., Mills Building,
San Francisco.
Architect—Eng. Dept. of Owner.
Fire Wall—Wm. C. Keating, Moun-
tain Blvd., Oakland.

Plans Being Figured.
LAUNDRY Cost, \$3000
SAN FRANCISCO. Location with-
held.
Two-story concrete laundry.
Owner—Withheld.
Architect—Frank Holland, 139 Seventh
Ave.

To Be Done By Day's Work by Owner
REMODELING Cost, \$—
SAN FRANCISCO. Nineteenth and
Harrison Streets.
Remodel present building.
Owner—Pacific Foundry Co., 18th and
Harrison Sts., San Francisco.
Plans by Owner.
Construction to start in 30 days.

RICHMOND, Contra Costa Co., Cal.
—Healy-Thibbitts Const. Co., 64 Pine
St., San Francisco, awarded contract
by Ford Motor Car Co., to drive test
piling in connection with proposed as-
sembly plant to be erected on the
Richmond harbor. Further mention
will be made of this project when test
piling is completed.

PLACERVILLE, El Dorado Co., Cal.
—Fred F. Fisher, Placerville, at \$7,-
000 awarded contract by L. E. Pen-
man, et al, for a one-story frame and
corrugated iron sash and door fac-
tory in Chapel street. Equipment
costing \$8,000 will be installed.

FLATS

Plans Being Completed.
FLATS Cost, \$21,000
SAN FRANCISCO. S Jefferson 100 E
Baker St.
Two and part three-story frame and
stucco (2) flats (steam heat; com-
position roof).
Owner—Withheld.
Architect—R. Irvine, Call Bldg., San
Francisco.

Plans Being Prepared.
FLATS Cost, \$20,000
SAN FRANCISCO. Buchanan St. S
of Washington St.
Two 2-story frame and stucco flats.
Owner and Builder—Name Withheld.
Architect—L. O. Ebbets, Hobart Bldg.

Bids Wanted.
FLATS Cost, \$12,000
SAN FRANCISCO. Near Parker Ave.
Two frame and stucco flats.
Owner—A. Halsen, 25th Ave.
Plans by D. E. Jackie, Call Bldg.
Plans will be ready for bids in one
week.

GARAGES AND SERVICE STATIONS

WASCO, Kern Co., Cal.—Union Oil Co. will erect a service station at 7th and D Sts., to cost \$22,000.

To Be Done By Day's Work By Owner.

SERVICE STATION Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.
First and Williams Sts.
Class C super-service station.
Owner—Standard Oil Co., Saint Claire Bldg., San Jose.
Architect—Eng. Dept. of Owner.

FRESNO, Fresno Co., Cal.—Union Oil Co., has completed negotiations for purchase of property at northwest corner of Divisadero St. and Van Ness Ave. and will expend \$30,000 in a super-service station.

Sub-Bids Being Taken.

GARAGE Cost, \$60,000
SAN FRANCISCO. Hampshire St. S. of Mariposa St.
Two-story class C concrete garage.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg.
Contractor—Richard Harms, 1217 Stanton St.

Contract Awarded.

GARAGE Cost, \$60,000
SAN FRANCISCO. Hampshire St. S. of Mariposa St.
Two-story class C concrete garage.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg.
Contractor—Richard Harms, 1217 Stanton St.

Plans Being Figured.

WAREHOUSE Cost, Approx. \$200,000
PALO ALTO, Santa Clara Co., Cal.
Brick tire warehouse and super-service station.
Owner—Firestone Tire & Rubber Co.
Architect—Chas. W. McCall, 1404 Franklin St., Oakland.
All modern conveniences will be installed.

Sub-Contracts Awarded.

STATION Cost, \$20,000
SAN FRANCISCO. Fulton and Divisadero Streets.
Fireproof service station and frame and stucco stores.
Owner—Thomas Cox.
Architect—F. W. Dakin, 625 Market Street.
Contractor—E. J. Brown, 666 Mission Street.
Roofing—Alta Roofing Co., 976 Indiana St.
Electric—Carl Tanner, 185 Stevenson Street.
Plumbing—Thomas Skelley, 1344 9th Avenue.
Ornamental Iron—Patterson-Koster Co., 280 13th St.
Plastering—Leonard Bosch, 167 Fifth Avenue.

GOVERNMENT WORK AND SUPPLIES

COCO SOLO, C. Z.—W. P. Thurston Co., Richmond, Va., \$240,000 (item 3), submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 5938, for storehouse and engine overhaul shop at Coco Solo, C. Z. Complete list of bids follows:

Item 3, revised bid, both buildings, omitting 1 bay; 4, deduct for omitting 1 bay from engine overhaul shop under original item 2.

W. P. Thurston Co., Richmond, Va., item 3, \$240,000; 4, \$9,000.
H. B. Nelson Const. Co., Columbus, Ga., item 3, \$244,282; 4, \$20,511.
J. A. Jones Const. Co., Charlotte,

N. C., item 3, \$250,000; 4, \$23,500.
Hartenstine - Zane Co., New York City, item 3, \$257,885; 4, \$9,000.
Griebien & Martinez, Panama, R. P., item 3, \$295,000; 4, \$16,423.

CRESCENT CITY, Del Norte Co., Cal.—Until April 16, 11 A. M., under Specification No. 6140, bids will be received by Public Works Officer, Mare Island Navy Yard, for repairs to road at U. S. Naval Radio Compass Station at Pt. St. George. Plans obtainable from above on deposit of \$5, returnable.

SAN FRANCISCO—See "Waterworks," this issue. Contract awarded to furnish pipe and fittings to National C. I. Pipe Co.

PHOENIX, Ariz.—Until April 4, bids will be received by Superintendent, Phoenix Indian Sanatorium for 39 ward calling station cords, 39 wall units complete, 12 corridor lamp stations, 1 nurses' annunciator, 1 transformer, 10 night lights and 6000 ft. rubber-covered wire. Specifications obtainable from above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Purchasing Officer, 100 Harrison St., San Francisco:

Bids Open April 8

Sch. 3077, Mare Island, 10,000 ft. copper pipe and copper tubing.

Sch. 3076, Mare Island, sheet steel, approx. 250,000 lbs.

Sch. 3071, Mare Island, 2 electrically operated dishwashing machines and spares.

Sch. 3074, western yards, cocks, faucets and valves.

Sch. 3086, Mare Island, sheet brass and copper.

Sch. 3088, Mare Island, brass oil syringes with wood handles.

SEATTLE, Wash.—Fitton & Livergreen, Colman Bldg., Seattle, at \$178,000 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., to erect shop runway and storehouse at Seattle. Work is provided for under Specification No. 6053.

PEARL HARBOR, T. H.—Bureau of Yards and Docks, Navy Department, Washington, D. C., rejects bids under Specification No. 6005, for refrigerating plant at Pearl Harbor.

PEARL HARBOR, T. H.—Bureau of Yards and Docks, Navy Department, Washington, D. C., rejects bids under Specification No. 5921, for building extension. Plans will be revised and new bids called for.

HAWTHORNE, Nevada.—New Jersey Chimney Co., Newark, N. J., at \$6,357 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 5908, for chimney to be erected at the Naval Ammunition Depot, Hawthorne. The work consists of a chimney that shall be 4 ft. inside diameter at the top by 100 ft. high, constructed of reinforced concrete, and shall have a fire brick lining in the lower 70 foot portion, openings for flues, ladder on the outside, cleanout door, and lightning protection. Complete list of bids will be published shortly.

SAN FRANCISCO—Cochran & St. John, 911 Mission St., at \$2335, submitted low bid to Constructing Quartermaster, Fort Mason, to install mortuary refrigeratory in Morgue No. 27

at the Letterman General Hospital. Complete list of bids follow:
Cochran & St. John, S. F. \$2335
The Mowat Corp., S. F. 2375
Cyclops Iron Works, S. F. 2548
Frank J. Reilly, S. F. 2683
Hirst Mfg. Co., Oakland 2683
York Ice Mfg. Co., S. F. 2829
F. F. Spidel, S. F. 2890
All bids taken under advisement.

SAN FRANCISCO—Until April 3, 10 A. M., under Schedule No. 928-30, 233, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 2 oil coolers, vertical tube type, with capacity of 428 gals. lubricating oil per minute. Specifications obtainable from above.

SAN FRANCISCO—Until April 1, 10 A. M., under Schedule No. 928-30, 221, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 400 gals. white interior paint; 100 gals. turpentine; 250 galv. roofing sheets; 40 rolls wire cloth; 70 ft. rubber lined 4-in. hose; 5 lbs. high pressure rod packing. Further information obtainable from above.

SAN FRANCISCO—Until April 14, 10 A. M., under Schedule No. 928-30, 234, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 76,000 lbs. wire nails; 500 grass sickles or hooks; 255 gross flat head wood screws; 75 adjustable pipe wrenches; 6960 lbs. mild black iron or steel bars; 2095 lbs. tool steel; 650 lbs. galv. iron wire; 550 heavy wrought steel bar bolts; 1500 rolls wire cloth; 4500 galv. iron roofing sheets; 25,000 lbs. reinforcing steel, twisted, ¼-in. square. 1500 lbs. mild angle steel, etc. Further information obtainable from above.

SAN FRANCISCO—Until April 15, 10 A. M., Schedule No. 928-30-236, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver c. i. soil pipe and fittings, including 470 bends, quarter, single hub, 270 2 in. and 300 4-in.; 150 loose 1¼-in. nipples; 960 square head plugs; 253 malleable iron pipe fittings; 180 ft. soil pipe, 4-in. in 5 ft. lengths or which 300 ft. will be single and 100 ft. double hub; 3200 ft. 4-in. wrought iron pipe, welded; 220 brass or bronze body valves, 80 ½-in., 34 ½-in., 3-in., and 100 Globe 1-in., for 211 lbs. S.W.P. Specifications and further information obtainable from above.

Sub-Contracts Awarded.

BUILDING Cost, \$1,127.88
SAN FRANCISCO. U. S. Marine Hospital, Presidio.
Main building, attendants' quarters, boiler house and laundry.
Owner—U. S. Government.
Plans by Supervising Architect, Washington, D. C.
Contractor—Clinton Const. Co., 92 Folsom St., San Francisco.
Electric Work—Severin Electric Co., 172 Clara St., San Francisco.
Plumbing, Heating & Ventilating—Mechanical Contracting Co., 8 Shipley St., San Francisco.
Other awards will be made shortly.

SAN FRANCISCO—Until April 11, 10 A. M., under Schedule No. 928-30, 230, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver miscellaneous office supplies. Lists of materials desired obtainable from above office on request.

PEARL HARBOR, T. H.—As previously reported, Hawaiian Dredging Co., Ltd., Honolulu, submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6037, for reinforced concrete pier, quays and bulkhead including piping and electrical work at Naval Operating Base (Naval Station and Submarine Base, Pearl Harbor, T. H.) A complete list of bids follows:

64 Pine St., San Francisco.

2. Ames-Will Co., Ltd., Pier 9, Honolulu, T. H.

3. A. T. L. McCandless, 11 Pauahi St., Honolulu, T. H.

4. R. E. Wooley, Castle & Cook Bldg., Honolulu, T. H.

5. Hawaiian Dredging Co., Ltd., Honolulu, T. H.

6. E. E. Black, Ltd., Box 3203, Honolulu, T. H.

7. Schuler & McDonald, Inc., 1723 Webster St., Oakland, Calif.; second price under items 1 to 6 are additions by telegram; items 7 to 11 are deductions by telegram.

Second amount shown under each item is deduction by telegram except where otherwise noted.

1. Entire work—Bid 1, \$563,800; 2, \$700,000 and \$225,500; 3, \$850,000 and \$325,000; 4, \$520,000 and \$36,000; 5, \$495,000 and \$98,962; 6, \$600,000 and \$117,007; 7, \$551,411 and \$27,570.

2. Do. alt. A—Bid 1, \$571,800; 2, \$700,000 and \$219,000; 3, \$850,000 and \$325,000; 4, \$520,000 and \$36,000; 5, \$500,000 and \$100,028; 6, \$625,000 and \$117,007; 7, \$564,623 and \$29,230.

3. Do. Alt. B—Bid 1, \$509,121; 2, \$675,000 and \$260,500; 3, \$500,000 and \$398,000; 4, \$485,000 and \$31,000; 5, \$475,000 and \$129,882; 6, \$670,000 and \$153,545; 7, \$491,351 and \$24,105.

4. Do. Alt. 3 and B—Bid 1, \$517,125; 2, \$675,000 and \$254,500; 3, \$850,000 and \$398,000; 4, \$490,000 and \$32,000; 5, \$480,000 and \$131,214; 6, \$595,000 and \$153,545; 7, \$504,623 and \$24,405.

5. Entire work at naval station—Bid 1, \$319,786; 2, \$360,000 and \$115,000; 3, \$450,000 and \$188,000; 4, \$260,000 and \$17,000; 5, \$500,000 and \$43,759; 6, \$315,000 and \$72,549; 7, \$250,179 and \$34,440.

6. Do. Alt. B—Bid 1, \$310,065; 2, \$360,000 and \$115,000; 3, \$450,000 and \$188,000; 4, \$260,000 and \$17,000; 5, \$500,000 and \$43,759; 6, \$315,000 and \$72,549; 7, \$250,179 and \$34,440.

7. Entire work at submarine station—Bid 1, \$356,104; 2, \$360,000 and \$99,000; 3, \$400,000 and \$103,000; 4, \$270,000 and \$15,000; 5, \$245,000 and \$3,717; 6, \$315,000 and \$50,310; 7, \$301,232 and \$6,879.

8. Do. Alt. A—Bid 1, \$364,804; 2, \$360,000 and \$99,000; 3, \$400,000 and \$103,000; 4, \$270,000 and \$15,000; 5, \$245,000 and \$3,717; 6, \$315,000 and \$50,310; 7, \$301,232 and \$6,879.

9. Do. Alt. B—Bid 1, \$330,326; 2, \$340,000 and \$121,000; 3, \$400,000 and \$154,000; 4, \$250,000 and \$7,000; 5, \$230,000 and \$28,832; 6, \$295,000 and \$78,345; 7, \$282,272 and \$1,536.

10. Do. Alt. A and B—Bid 1, \$316,726; 2, \$340,000 and \$115,000; 3, \$400,000 and \$154,000; 4, \$256,000 and \$9,000; 5, \$235,000 and \$30,036; \$300,000 and \$58,345; 7, \$295,554 and \$31,236.

11a. Deduct from item 1 for each bay omitted—Bid 1, \$1,445; 2, \$3,000 and \$1,000; 3, \$4,000 and \$1,500; 4, \$2,000; 5, \$2,750 and \$1,100; 6, \$2,050; 7, \$3,235 and \$249.

11b. Do. Item 2—Bid 1, \$1,445; 2, \$3,000 and \$1,000; 3, \$4,000 and \$1,500; 4, \$2,030; 5, \$2,750 and \$1,100; 6, \$2,300; 7, \$3,760 and \$864.

11c. Do. Item 3—Bid 1, \$1,413; 2, \$3,000 and \$700; 3, \$4,000 and \$2,000; 4, \$1,700; 5, \$3,000 and \$1,500; 6, \$1,500; 7, \$2,245 and \$213.

11d. Do. Item 4—Bid 1, \$1,413; 2, \$3,000 and \$700; 3, \$4,000 and \$2,000; 4,

\$1,850; 5, \$3,000 and \$1,500; 6, \$2,100; 7, \$3,355 and \$905.

11e. Do. Item 7—Bid 1, \$1,445; 2, \$3,000 and \$1,000; 3, \$4,000 and \$1,500; 4, \$2,400 and \$900; 5, \$2,750 and \$1,100; 6, \$2,030; 7, \$3,255 and \$249.

11f. Do. Item 8—Bid 1, \$1,445; 2, \$3,000 and \$1,000; 3, \$4,000 and \$1,500; 4, \$2,430 and \$400; 5, \$2,750 and \$1,100; 6, \$2,300; 7, \$2,760 and \$864.

11g. Do. Item 9—Bid 1, \$1,413; 2, \$3,000 and \$700; 3, \$4,000 and \$2,000; 4, \$1,800; 5, \$3,000 and \$1,500; 6, \$1,850; 7, \$2,845 and \$213.

11h. Do. Item 10—Bid 1, \$1,413; 2, \$3,000 and \$700; 3, \$4,000 and \$2,000; 4, \$1,850; 5, \$3,000 and \$1,500; 6, \$1,900; 7, \$3,355 and \$905.

12a. Deduct items 1 and 2 for omitting piping—Bid 1, \$5000; 2, \$5000 and \$1000; 3, \$10,000 and \$5000; 4, \$3000; 5, \$1500, add \$3350; 6, \$4000; 7, \$7265.

12b. Do. Item 3—Bid 1, \$1000; 2, \$5,000 and \$1000; 3, \$5000; 4, \$3000; 5, \$1500 and \$3350; 6, \$4000; 7, \$7265.

PEARL HARBOR, T. H.—Until April 23, 11 A. M., under Specification No. 6128, bids will be received by Public Works Officer, Twelfth Naval District, 100 Harrison St., San Francisco, for dredging at Naval Ammunition Depot, West Loch, Pearl Harbor, on site of proposed wharf. Specifications obtainable from above on deposit of \$25, returnable.

SAN FRANCISCO—Until April 10, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to install electric dumbwaiter in Officers' Ward No. 54 at Letterman General Hospital, Presidio. Plans obtainable from above.

HALLS AND SOCIETY BUILDINGS

Plans Being Completed.
GYMNASIUM Cost, \$35,000
VALLEJO, Solano Co., Cal. York and Santa Clara Streets.

One-story gymnasium (type of construction not decided; 90x55 ft.)
Owner—Naval Y. M. C. A. (W. T. Wilkie, manager), Vallejo.

Plans by Owner.
Bids will be taken in about two weeks.

Preparing Working Drawings.
LODGE BLDG. Cost, \$30,000
NILES, Alameda Co., Cal.
Two-story brick lodge building.

Owner—Odd Fellows.
Architect—George Ellinger, 1723 Webster St., Oakland.

Plans will be ready for bids within thirty days.

Prospective Bidders.
BUILDING Cost, \$400,000
OAKLAND, Alameda Co., Calif. 15th and Grove Sts.

Six-story and basement class C steel frame and concrete building.

Owner—Salvation Army.
Architect—Douglas Stone, Gt. Western Power Bldg., Oakland.

Bids are to be opened March 30.

Following is a list of the prospective bidders:

K. E. Parker, 135 South Park, San Francisco.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Errett & Hill, 918 Harrison St., San Francisco.

M. Fisher & Son.

R. W. Littlefield, 337 17th St., Oakland.

F. Muller, Syndicate Bldg., Oakland.

J. Pedgrift, 4106 Broadway, Oakland.

Harry C. Knight, Oakland.

Jacobs & Pattiani, 337 17th Street, Oakland.

MERCED, Merced Co., Cal.—Swanson and Chance, Turlock, at \$4,690 awarded contract by county supervisors to erect American Legion Memorial Club Building between Hilmar and Irwin. Plans by W. E. Bedesen, engineer, Shaffer Bldg., Merced.

Concrete Aggregate Contract Awarded
CLUB HOUSE Cost, \$—
MONTEREY, Monterey Co., Cal. Cypress Point Golf Club.
Two-story frame and stucco California type club house.

Owner—Cypress Point Golf Club.
Architect—George W. Smith, Santa Barbara.

Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Concrete Aggregate—M. J. Murphy, Carmel.

Structural Steel Contract Awarded.
CLUB Contract price, \$287,000
SACRAMENTO, Sacramento Co., Cal. Ninth and M Sts., facing Capitol Square.

Four-story reinforced concrete club. Owner—Sutter Club.

Architect—Dean and Dean, California State Life Bldg., Sacramento, and Starks & Flanders, Oschner Bldg., Sacramento, associated.

Contractor—George D. Hudnutt, Inc., 1915 S St., Sacramento.

Structural Steel—Herriek Iron Works, 18th and Campbell Sts., Oakland.

Bids Rejected.
MEMORIAL BLDG. Cost, \$—
CORNING, Tehama Co., Cal. Solano St. and Houghton Ave.

Brick memorial building. Owner—County of Tehama.

Architect—Starks & Flanders, Forum Bldg., Sacramento.

The bids of Lindgren & Swinerton, Inc., 225 Bush St., San Francisco, at \$34,999 taken under advisement by the county supervisors has been rejected and it is proposed to raise additional funds to permit early erection of the structure. The county has \$25,000 available for construction.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—American Legion, Post No. 66, has started campaign to raise funds to finance erection of a Veterans' Memorial club building. It is proposed to erect a structure costing \$50,000. The county supervisors will be asked to lend financial aid. W. D. Butler is chairman of the building committee.

Plans To Be Prepared.
CLUBHOUSE Cost, \$10,000
LOS BANOS, Merced Co., Cal. Bet. Los Banos and Dos Palos.

Private clubhouse.

Owner—Geo. M. Bpwles and Addison Stillwell.

Architect—To Be Selected.

OAKLAND, Calif.—United German Societies of Greater Oakland has called a mass meetin' to discuss ways to finance erection of a "German Pioneer Hall" building in Oakland to honor the memory of the German pioneers who helped to develop California to serve as a memorial to future generations of the German people in California. The meeting will be held Mar. 26 at the Park Blvd. Community House.

Contract Awarded.
HALL Cost, \$5,000
CORRALITOS, Santa Clara Co., Cal.

One-story 40x80-ft. community assembly hall.

Owner—To be financed by public subscription.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Contractor—Jos. Lechleiter, Watsonville.

SACRAMENTO, Calif.—City Manager Jas. Dean announces provision will be made in 1936-37 budget for \$6,000 appropriation to provide toilet facilities for the McKinley Park clubhouse.

SAN LUIS OBISPO, Cal.—American Legion, W. D. Butler, chairman of building committee, is having plans prepared for a Veteran's memorial building, to be erected at a cost of \$50,000.

Plans Being Figured—Bids Close Apr. 15, 2 P. M.
MEMORIAL BLDGS. Cost, \$—
ARCATA & FORTUNA, Humboldt Co., Calif.

Two American Legion Memorial Buildings.
Owner—County of Humboldt, Fred M. Kay, county clerk.
Architect—Newton Ackerman, Fourth and Commercial Sts., Eureka.

Previous bids on these structures were rejected as being in excess of the amount available for construction. Bids will be considered in a single lump sum for both buildings or on each building separately. Separate bids are wanted for plumbing, heating and electric wiring. Cert. check 10% payable to clerk required with bid. Plans obtainable from architect on deposit of \$25, returnable.

See call for bids under official proposal section in this issue.

HOSPITALS

MERCED, Merced Co., Cal.—C. C. Disney, Merced, at \$5,695 awarded contract by county supervisors to erect addition to tubercular ward at county hospital grounds. Plans by W. E. Bedesen, engineer, Shaffer Building Merced.

Plans Being Figured—Bids Close Mar. 31st.
ADDITION Cost, \$125,000
SAN FRANCISCO. Mission St. and Silver Ave.
Reinforced concrete wing addition to present building.
Owner—Hebrew Home for Aged.
Architect—Hyman & Appleton, 63 Post Street.

SAN FRANCISCO—Until April 10, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to install electric dumbwaiter in Officers' Ward No. 54 at Letterman General Hospital, Presidio. Plans obtainable from above.

Plans Being Completed.
HOSPITAL Cost, \$400,000
PALO ALTO, Santa Clara Co., Cal.
On State Highway North of Palm Drive.
Four-story reinforced concrete hospital (100-bed capacity).
Owner—City of Palo Alto.
Architect—Reed & Corlett, Oakland.

Bank Bldg., Oakland.
Plans will be ready for bids in two or three weeks.

Laundry, heating plant, kitchen and store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and third floors will be devoted to accommodation of patients in addition to two, three and four-room wards and 15-room nursery. Large sun porch will also be located on second floor. Fourth floor will be given over to surgery.

EUREKA, Humboldt Co., Cal.—Until April 15, 2 P. M., bids will be received by Fred M. Kay, county clerk, to install oil burning apparatus and other necessary mechanical boiler house and laundry equipment, together with steam line connections to properly

hook-up the existing boilers to the various underground steam line conduits in connection with the new county hospital, now in course of construction. Newton Ackerman, architect, 4th and Commercial Sts., Eureka. Leland and Haley, consulting engineers, 53 Sutter St., San Francisco. Certified check 10% payable to clerk required with bid. Plans obtainable from architect or engineers on deposit of \$25, returnable.

Contract Awarded.
HOSPITAL Cost, \$205,000
VENTURA, Ventura Co., Cal. Helena Tract.

Reinforced concrete hospital.
Owner—Big Sisters Hospital, Ventura.
Architect—John C. Austin and Fred M. Ashley, 608 Chamber of Commerce Bldg., Los Angeles.
Contractor—Bavin & Burch, 173 E Jefferson St., Los Angeles.

Bids Will Be Called For in 2 Weeks.
REMODEL OAKLAND, Alameda Co., Cal. Highland Hospital Grounds.

Remodel entrance to hospital.
Owner—County of Alameda.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Alterations are to provide a new entrance for receiving and discharging patients. Under the new arrangement the first floor of the "A" building will be used as a receiving ward and a corridor will connect the present receiving ward with the new one.

EUREKA, Humboldt Co., Cal.—Until April 15, 2 P. M., bids will be received by Fred M. Kay, county clerk, to furnish and install fixtures and equipment in county hospital now in course of construction:

- (a) Window shades and Venetian Blinds.
- (b) Electric lighting fixtures and lamps.
- (c) Furniture, beds and bedding.
- (d) Kitchen utensils, dishes and dining room furniture.
- (e) X-ray equipment and accessories.
- (f) Operating room and surgical equipment.

Certified check 5% required with bid. Plans obtainable from Leland & Haley, mechanical consulting engineers, 58 Sutter St., San Francisco, and from Newton Ackerman, architect, 4th and Commercial Sts., Eureka.

Plans Being Figured—Bids Close Apr. 9
HOSPITAL Cost, \$200,000
TUCSON, Arizona.
One-story reinforced concrete and brick hospital.
Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.
Architect—A. I. Coffey and Martin J. Rist, Phelan Bldg., San Francisco.

Excavation Started.
ADDITION Cost, \$650,000
SAN FRANCISCO. Fell and Baker Streets.

Addition to present Class A hospital.
Owner—Southern Pacific Railroad Co., 65 Market St., San Francisco.
Architect—Alfred I. Coffey and Martin J. Rist, Phelan Bldg., S. F.
Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.

Excavation—Pionbo Bros., 1269 14th St., San Francisco.
Other awards will be made shortly.

Plans To Be Prepared.
HOSPITAL Cost, \$—
SAN FRANCISCO. Nineteenth and Church Streets.
Class A hospital.
Owner—Mary's Help Hospital, 145

Guerrero St., San Francisco.

Architect—Not Selected.
The structure now on the site known as Father Crowley's Home, is being razed to make way for the proposed building.

HOTELS

LOS ANGELES, Cal.—Angelus Holding Co., 125 E 10th St., having plans prepared and will erect ten hotel buildings and thirty apartment houses in Los Angeles during next 12 months for Junior Capital Company, Laurence Boothe, president. They will be leased by Consolidated Hotels, Inc. Sites acquired for first five buildings at Lucas St. bet. 5th and 6th Sts.; Carlton Way near Bronson Ave.; Grandview Ave. near 11th St.; Westmoreland Ave. near 10th St., Cochran Ave. near Wilshire Blvd. Will be two to eight stories in height and cost from \$75,000 to \$300,000 each.

Plans Complete.
ADDITIONS Cost, \$125,000
MODESTO, Stanislaus Co., Cal. Hotel Covell.

Additions to hotel.
Owner—Hotel Covell, Modesto.
Architect—A. W. Cornelius, 74 New Montgomery St., San Francisco.
Contractor will be selected shortly.

Preliminary Plans Being Prepared.
HOTEL Cost, \$160,000
SAN FRANCISCO. S Market 25.11 W Twelfth St.

Five-story Class A steel and concrete hotel.
Owner—Withheld.
Architect—R. Irvine, Call Bldg., San Francisco.

Contract Awarded—Plans To Be Prepared.
HOTEL Cost, \$750,000
YAKIMA, Wash. NW Third and Chestnut Sts.

Fourteen-story Class A hotel (site 140 by 150 feet).
Owner—Peter G. Schmidt, Olympia, Wash., and F. A. Dupar, Seattle, Wash. (New Yakima Hotel Co.)
Architect—Withheld.
Contractor—A. D. Belanger & Co., Seattle, Wash.

Plans Being Prepared.
HOTEL Cost, \$—
RENO, Nevada. NE Second and Chestnut Streets.

Four-story and basement brick stores and hotel (50 rooms with baths).
Owner—Abe Zetoon, Reno, (to be leased to Joe Bulasky, Reno.)
Architect—Geo. A. Ferris & Son, Cladianos Bldg., Reno.

Plans Being Completed.
HOTEL Cost, \$100,000
BLUE LAKE, Lake Co., Calif. 250-acre tract.

Three-story frame and stucco hotel (224x120-ft.).
Owner—Blue Lakes Hotel and Resort Corp., Harry W. Kemp, president.
Architect—Charles Strothoff, 2274 15th St., San Francisco.

Plans will be ready for bids in about ten days.

Will contain 48 rooms, all of which will have private bath. Steam heating; glass enclosed porches. Basement will provide dressing rooms for bathers, a barber shop and five store rooms.

POWER PLANTS

FALLON, Nevada — City council contemplates construction of a municipal power plant rather than accept an increase in rates scheduled by the Nevada Valley Power Company. A plant costing \$110,000 is contemplated.

OAKLAND, Calif. — Following bids taken under advisement by East Bay Utility District to construct and furnish f.o.b. 22nd and Adeline Streets, Oakland, transformer equipment for pumping plants:

Allis-Chalmers Co., San Francisco, (1) \$4,794; (2) \$1,131.
Garland-Affolter Co., San Francisco, (1) \$4,797; (2) \$1,140.
Wagner Electric Co., San Francisco, (1) \$4,890; (2) \$1,149.
Westinghouse Elec. & Mfg. Co., Emeryville, (1) \$4,932; (2) \$1,151.
General Electric Co., San Francisco, (1) \$4,938; (2) \$1,152.

Sub-Contracts Awarded.
STATION Cost, \$50,000
POINT REYES, Marin Co., Cal.
One-story reinforced concrete radio receiving station.
Owner—Radio Corp. of America.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Contractor—Lindgren & Swinerton, Inc., 325 Bush St., San Francisco.
Mill Wk—Pacific Mfg. Co., Menadnock Bldg., San Francisco.
Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

To Ask Bids In Thirty Days.
MUSEUM Cost, \$30,000
STOCKTON, San Joaquin Co., Calif.
Victory Park.
Owners—Haggin Memorial Museum; San Joaquin Pioneer & Historical Society, Stockton.
Architect—W. J. Wright, Mail Bldg., Stockton.

BAKERSFIELD, Kern Co., Calif.—Plans are being prepared for a new heating and cooling system to be installed in the Kern county courthouse. It will cost between \$17,000 and \$20,000. Supervisors will advertise for bids for the work within a short time. Installation of a cooling system in the hall of records is also proposed.

SAN JOSE, Santa Clara Co., Cal.—James Dean, Sacramento architect and city manager of Sacramento, is compiling data for the San Jose Chamber of Commerce for proposed civic auditorium and athletic stadium which proposes to promote a campaign to further such construction.

SACRAMENTO, Cal.—W. J. McLaughlin, 2006 K St., Sacramento, at \$6645 awarded contract by State Department of Public Works, Division of Architecture, to install ventilator and roof sprinkler system on State Public Works Building at Eleventh and P Streets.

OCEANSIDE, San Diego Co., Cal.—Until 7:30 P. M., April 23, bids will be received by the Oceanside city council for furnishing and installing jail equipment in the city jail at Nevada and Third Sts., Oceanside. Bids will be taken on the following propositions: (1) one 3-cell unit; (2) one 2-cell unit; (3) two round steel bar doors. Cert. check for 5 per cent required. Plans on file in the office of John H. Landes, city clerk.

EUREKA, Humboldt Co., Calif.—County Grand Jury, in annual report to the county supervisors recommends enlargement of present courthouse, providing quarters for the coroner, county surveyor and public administrator. An entirely new unit to comprise a "hall of records" is contemplated. Fred M. Kay is county clerk.

LOW BIDDERS
ADDITION Cost, \$247,500
RIVERSIDE, Riverside Co., Cal.
Tenth and Orange Sts.
Steel frame and reinforced concrete addition to court house.
Owner—County of Riverside.
Architect—G. Stanley Wilson, 642 W. Ninth St., Riverside.
Plumbing—A. M. Lines, Riverside, at \$16,456.
Heating—Hickman Bros., San Pedro, at \$18,578.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, \$8000
SAN FRANCISCO. Roosevelt Way near Lavent Street.
Two-story frame and stucco residence (6 rooms).
Owner—Elmer Jordan.
Architect—Dodge Riedy, Pacific Bldg., San Francisco.
Contractor—Sorensen & Haggmark, 2652 Harrison St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, \$—
LODI, San Joaquin Co., Cal.
One-story brick veneer residence (7 rooms).
Owner—J. H. Meyers.
Plans by T. E. Williamson, 1859 W. Park Ave., Stockton.
Plans will be completed in about two weeks.

Bids Being Taken.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. San Luis Road.
Two-story English type frame and stucco residence (3 rooms).
Owner—Harry Mulvaney.
Architect—Sidney B. Noble & Archie T. Newsom, Federal Realty Bldg., Oakland.

Plans Being Completed.
RESIDENCE Cost, \$10,000
SAN FRANCISCO. 20th Ave. near Rivera.
Six-room frame and stucco residence. Owner and Builder—C. Ingberman.
Plans by D. E. Jaekle, Cal Bldg.
Plans will be ready for sub-bids Monday.

Contract Awarded.
RESIDENCE Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
Two-story frame and stucco residence. Owner—W. W. Holt.
Architect—Willis Polk Co., 277 Pine St., San Francisco.
Contractor—Mattcock & Peasey, 210 Clara St., San Francisco.

Owner Taking Bids.
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal. Hamilton Avenue.
Two-story frame and stucco residence (7 rooms).
Owner—F. M. Warren, 1120 High St., Palo Alto.
Architect—Ed. Musson Sharpe, 525 Market St., San Francisco.

Plans Completed.
RESIDENCE Cost, \$14,000
SAN MATEO, San Mateo Co., Cal. Belmont Park.
Two-story frame and stucco residence (6 rooms).
Owner—W. C. Lyon, Belmont Park.
Architect—Grimes & Schoening, Balovich Bldg., San Mateo.
Bids will be taken within a few days.

Sub-Bids Being Taken.
RESIDENCE Cost, \$10,000
SAN FRANCISCO. Twentieth Ave. near Riviera St.

One-story frame and stucco residence (6 rooms).
Owner and Builder—C. Ingberman.
Plans by D. E. Jaekle, Cal Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, \$12,000
SARATOGA, Santa Clara Co., Cal.
One-story and basement hollow tile residence (6 rooms and garage).
Owner—Harry Bogart, 609 Sutter St., San Francisco.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.

Plans Being Completed.
RESIDENCE Cost, \$20,000
SARATOGA, Santa Clara Co., Cal.
Two-story and basement nine-room frame and stucco Spanish type residence.
Owner—Frank Michael.
Architect—Harman Krause, 243 N 9th St., San Jose.
Bids will be called for shortly.

Contract Awarded.
RESIDENCE Cost, \$10,000
DEL MONTE, Monterey Co., Cal.
Two-story frame and stucco residence. Owner—Charles Xouan.
Architect—Wm. Raiguel, Hotel Del Monte, Del Monte.
Contractor—Miles Bain, Carmel.

Sub-Bids Being Taken.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Cal. Woodstock.
Two-story and basement frame and stucco residence (9 rooms, 3 baths).
Owner and Builder—G. W. Williams, 1404 Broadway, Burlingame.
Plans by Russell Coleman, 1404 Broadway, Burlingame.

Plans Completed.
RESIDENCE Cost, \$18,000
SAN MATEO, San Mateo Co., Cal. Hillsborough Park.
Two-story frame and stucco residence (9 rooms).
Owner and Builder—M. Schulte, 459 Cornell Ave., San Mateo.
Architect—Grimes & Schoening, Balovich Bldg., San Mateo.
Sub-bids will be taken shortly.

Contract Awarded.
RESIDENCE Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal. Ninth St. near Julian.
One-story and basement frame and stucco residence (5 rooms).
Owner—G. Aviente, 41 S-Autumn St., San Jose.
Architect—None.
Contractor—G. Leone, 497 N-17th St., San Jose.

Contract Awarded.
ADDITION Cost, \$20,000
MONTECITO, Santa Barbara Co., Cal. No. 2450 Alston Road.
Two-story frame and stucco addition to residence.
Owner—John A. Penton, Premises.
Architect—Leonard A. Cooke, 423 E. Victoria St., Santa Barbara.
Contractor—Carl S. Peterson, 612 E. Haley St., Santa Barbara.

Owner Taking Bids.
RESIDENCE Cost, \$6,000
SANTA CLARA, Santa Clara Co., Cal. Main St. bet. Fremont and Bendon.
One-story and basement frame and stucco residence (5 rooms; tile roof).
Owner—A. R. Morrison, Santa Clara.
Architect—Wolfe and Higgins, Realty Bldg., San Jose.

Plans Being Completed.

RESIDENCE Cost, \$15,000
 SAN CARLOS, San Mateo Co., Cal.
 Two-story frame and stucco residence
 (9 rooms, 3 baths).
 Owner—W. C. Lyons, San Carlos.
 Architect—Grimes & Schoenling, Balovich Bldg., San Mateo.
 Bids will be taken March 28.

Sub-Figures Being Taken.

RESIDENCE Cost, \$10,000
 BERKELEY, Alameda Co., Cal. No. 946 Regal Road.
 Two-story 1-family frame and stucco residence (7 rooms) and garage.
 Owner—T. C. Mayhew.
 Architect—None.
 Contractor—W. H. Hooper, 732 Cragmont Ave., Berkeley.

Bids To Be Asked In Two Or Three Days.

RESIDENCE Cost, \$15,000
 BERKELEY, Alameda Co., Cal. San Luis Road.
 Two-story English type frame and stucco residence (8 rooms).
 Owner—Withheld.
 Architect—Sidney B. Noble & Archie T. Newsum, Federal Realty Bldg., Oakland.

Building Permit Granted.

RESIDENCE Cost, \$15,000
 STOCKTON, San Joaquin Co., Cal. Bristol Way in Oxford Manor.
 Part one and two-story frame and stucco residence (9 rooms, 2 baths and double garage).
 Owner—State Realty Co., Stockton.
 Architect—J. U. Cloudsley, Exchange Bldg., Stockton.

Working Drawings Completed.

RESIDENCE Cost \$55,000
 BEL-AIR, Los Angeles Co., Cal.
 Two-story frame and stucco residence (14 rooms).
 Owner—Mrs. Isabella Knapp.
 Architect—Allison & Allison, 1005 California Reserve Bldg., Los Angeles
 Contractor—Frank S. Hodge, 712 Architects Bldg., Los Angeles.

Plans Being Completed.

COTTAGES, ETC. Cost, \$—
 RED BLUFF, Tehama Co., Cal. Lassen Park.
 Group of employees' cottages, checking station, etc.
 Owner—U. S. Government.
 Architect—Thomas C. Vint, 525 Market St., San Francisco.
 Contractor—Care Dept. of Interior.

Bids Will Be Taken In One Week.

RESIDENCE Cost, \$15,000
 LA JOLLA, San Diego Co., Cal.
 One-story and basement six-room 2-bath frame and stucco residence.
 Owner—Mr. and Mrs. Joseph M. Masten.

Plans by Martin A. Sheldon, architect, with J. Kennedy Masten, Associated, Monadnock Bldg., S. F.

Plans Complete.

RESIDENCE Cost, \$10,000
 MENLO PARK, San Mateo Co., Cal.
 One-story and basement frame and stucco residence.
 Owner—Mr. Mohun.
 Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Sub-Bids Being Taken.

RESIDENCE Cost, \$10,000
 SAN LEANDRO, Alameda Co., Calif. Location withheld.
 One-story frame and stucco residence.
 Owner—Doctor Davis.
 Contractor—T. H. Latham, 546 Kenmore St., Oakland.

Bids In—Under Advisement.

RESIDENCE Cost, \$20,000
 BERKELEY, Alameda Co., Cal. Claremont Pines.

Two-story and basement frame and stucco residence.
 Owner—F. B. Travers, 2835 Prince St., Berkeley.
 Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

To Be Done By Day's Work.

RESIDENCE Cost, \$10,000
 SACRAMENTO, Sacramento Co., Cal. 3310 H St. (Lot 13 McKinley Park Tract).
 Frame and stucco residence (8 rooms)
 Owner and Builder—Carl Vogt, 2414 St. Sacramento.
 Architect—None.

Sub-Figures Being Taken.

RESIDENCE Cost, \$3,000
 REDWOOD CITY, San Mateo Co., Cal. 387 Arlington Road.
 Frame and stucco residence and garage (7 rooms).
 Owner and Builder—C. F. Magne, 412 Sunny Slope Blvd., Belmont.
 Architect—None.

Sub-Bids Being Taken.

RESIDENCE Cost, \$10,000
 SAN LEANDRO, Alameda Co., Cal. Location Withheld.
 One-story frame and stucco residence
 Owner—Doctor Davis.
 Architect—None.
 Contractor—F. J. Latham, 546 Kenmore St., Oakland.
 Contractor—F. J. Latham, 546 Ken-

Contract Awarded.

RESIDENCE Cost, \$—
 PIEDMONT, Alameda Co., Cal. King and La Salle Ave.
 Two-story 10-room English type brick veneer residence.
 Owner—A. S. Weaver, 2274 Washington St., San Leandro.
 Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
 Contractor—Alex Wieben, 337 17th St., Oakland.
 Will have oil burner, hot water heat, slate roof.

Contract Awarded.

RESIDENCE Cost, \$15,000
 STOCKTON, San Joaquin Co., Cal. Bristol Way in Oxford Manor.
 Part one and two-story frame and stucco residence (9 rooms, 2 baths and double garage).
 Owner—State Realty Co., Stockton.
 Architect—J. U. Cloudsley, Exchange Bldg., Stockton.
 Contractor—William Peenstra, 2261 Kensington Way, Stockton.

Plans Being Revised—Sub-Bids Will Be Called for Later.

RESIDENCE Cost, \$8,000
 OAKLAND, Alameda Co., Cal. Palm Ave.
 Two-story frame & stucco residence.
 Owner—George Lewis.
 Architect—Lay Keefer, 3281 Lakeshore Blvd., Oakland.
 Contractor—M. A. Rose, care architect.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$22,000
 OAKLAND, Alameda Co., Cal. Claremont Pines.
 Two-story frame and stucco residence.
 Owner—P. Caird, 1340 Broadway, Alameda.
 Architect—W. E. Schirmer, 700 21st St., Oakland.

Sub-Bids Being Taken.

RESIDENCE Cost, \$14,000
 BERKELEY, Alameda County, Calif. Claremont Pines.
 Two-story frame and stucco residence and garage.
 Owner and Builder—Matthew Hunter, 2103 Woolsey Sts., Berkeley.
 Architect—W. E. Schirmer, 700 21st St., Oakland.

SCHOOLS**Plans Being Figured—Bids Close April 15, 2 P. M.**

GYMNASIUM Cost, \$—
 ARCATA, Humboldt Co., Cal.
 Completion of gymnasium building (work involves plastering, etc.)
 Owner—State of California.
 Architect—Geo. B. McDougall, Public Works Bldg., Sacramento.

Preliminary Plans Being Prepared.

MEMORIAL BLDG. Cost, \$250,000
 BERKELEY, Alameda County, Calif. Campus of University of California.
 Eshleman Memorial Building (Student Publishing Bldg.)
 Owner—Regents of the University of California.
 Architect—G. W. Kelham, 330 Montgomery St., San Francisco.

Bids To Be Called About March 24.

GYMNASIUM Cost, \$50,000
 SAN FRANCISCO, University Mound
 One-story steel frame, wood and plaster gymnasium.
 Owner—Playground Commission, City and County of San Francisco.
 Architect—Gardner Dailey, 425 Mason St., San Francisco.

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Plans Completed.
SCHOOL. Cost, \$17,000
SANTA ROSA, Sonoma Co., Calif. So.
 Park Section.
 One-story frame and stucco school
 with tile roof (3 rooms and audi-
 torium).
Owner—City of Santa Rosa School
District.
Architect—Wm. Herbert, Rosenberg
Bldg., Santa Rosa.
 Bids will be advertised shortly.

Contract Awarded.
SCHOOL. Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
 One-story frame and stucco school for
 boys.
Owner—Mrs. Grace Douglas, Pebble
Beach.
Architect—Wm. Raiguel, Hotel Del
Monte, Del Monte.
Contractor—Meese and Briggs, 1425
Broadway, Burlingame.

Plans Being Figured—Bids Close Apr.
5th.
ALTERATIONS. Cost, \$—
QUINCY, Plumas Co., Calif.
 Alterations and additions to one-story
 frame and stucco school.
Owner—Portola High School District.
Architect—Starks & Flanders, Forum
Bldg., Sacramento.
 Work involves extensive remodeling
 of present school and construction of
 addition. New facilities will be pro-
 vided for cooking and commercial de-
 partments, physics and chemistry,
 lunch room and study hall also will be
 built and new balcony will be added
 to gymnasium.
 Boiler plant will be changed and
 new central heating plant installed to
 care for enlarged building.

Preparing Plans.
COLLEGE BLDGS. Cost, \$230,000
WEST LOS ANGELES, Los Angeles
 Co., Cal. Chalon Road north of
 Bundy Drive.
 Three-story Class B reinforced con-
 crete college buildings (classrooms
 and dormitory) (91x276 ft.).
Owner—Mount Saint Mary's College,
3900 W. Slauson Ave., Los Angeles
Architect—Mark Daniels, 10601 Chalon
Road, Los Angeles.

Preparing Sketches.
WESTWOOD HILLS, Cost, \$500,000
 Co., Cal. Beverly Blvd.
 Group of one and two-story masonry
 school buildings for military
 academy.
Owner—Urban Military Academy.
Architect—Claude Beelman, Union Bk.
Bldg., Los Angeles.

Preliminary Plans Being Prepared.
GROUP OF BLDGS. Cost, \$2,000,000
OAKLAND, Alameda Co., Cal. Fifty-
 ninth Ave. and Mesquite St.
 Group of new buildings (work includes
 academic building; new library;
 science building; completion of art
 building; infirmary; residence hall
 and corporation yard).
Owner—Mills College, Premises.
Architect—W. H. Ratcliff Jr., Cham-
ber of Commerce Bldg., Berkeley.

Bids Being Taken from Revised Plans
—Bids Close April 5, 8 P. M.
SCHOOL. Cost, \$35,000
WILLOW GLEN, Santa Clara County,
 Calif.
 One-story reinforced concrete school
 (6 classrooms, administration room
 and kindergarten).
Owner—Willow Glen School District.
Architect—Wolfe and Higgins, Realty
Bldg., San Jose.
 Previous bids were rejected as be-
 ing too high. Segregated bids are
 wanted as follows: (1) general con-
 tract, except plumbing and sheet met-
 al, also steam heating; (2) plumbing
 and steam heating; (3) steam heat-

ing. Cert. check 10% payable to S.
 R. James, clerk of district, required
 with b.d. Plans obtainable from ar-
 chitects.

Plans Being Figured—Bids Close Apr.
24, 7 P. M.
HIGH SCHOOL.
 \$240,000 voted to finance
MARTINEZ, Contra Costa Co., Cal.
 Two-story reinforced concrete junior
 high school (comprising main
 building, gymnasium building and
 shop building).
Owner—Alhambra Union High School
District.
Architect—W. H. Weeks, 111 Sutter
St., San Francisco.
 Bids will be received as follows:
 Main contract, including alternate
 bids in connection with same.
 Separate bids on:
 Electric work;
 Case work;
 Metal lockers;
 Linoleum;
 Window shades and metal guides;
 Heating plant.
 Certified check 5% payable to dis-
 trict required with bid. Plans obtain-
 able from architect on deposit of \$20,
 returnable, and on file in office of the
 clerk, R. L. Boyer, at Martinez.

SACRAMENTO, Cal.—Until April 7,
 5 P. M., bids will be received by Chas.
 C. Hughes, Secretary, Board of Edu-
 cation, to furnish and deliver f. o. b.
 Sacramento, manual and vocational
 training equipment. Certified check
 10% required with bid. Specifications
 obtainable from Business Manager,
 School Administration Bldg., 21st and
 L Sts., Sacramento.

Prospective Bidders.
GYMNASIUM. Cost, \$60,000
CENTERVILLE, Alameda Co., Cal.
 One-story reinforced concrete gym-
 nasium.
Owner—Washington Union High School
District.
Architect—Birge M. Clark, 317 Un-
iversity Ave., Palo Alto.
 Following is a complete list of the
 bidders
 H. B. Post, Palo Alto.
 Irwin H. Reimers, Oakland.
 F. C. Stolte, Oakland.
 L. M. Bruce & Son, Pleasanton.
 Ralph McLeran Co., San Francisco
 John E. Brauagh, Oakland.
 Villadsen Bros., San Francisco.
 H. E. Vickroy, Stockton.
 Clinton Stephenson Const. Co., S. F.
 S. Rasori, San Francisco.
 C. N. Swensen, San Jose.
 Gaubert Bros., Oakland.
 J. A. Bryant, San Francisco.
 Chas. D. Vezey & Son, Oakland.
 J. J. Grodem & Co., Oakland.
 Grant L. Miner, Palo Alto.
 George J. Maurer, Eureka.
 Young & Horstmeier, S. F.
 J. W. Cobby & Son, San Francisco.

Jas. L. McLaughlin, San Francisco.
A. Frederick Anderson, Oakland.
J. Pringle, Burlingame.
Sullivan & Sullivan, Oakland.
Frank Barry, Oakland.
George Swannstrom, Oakland.
 Bids are being taken on a general
 contract. Certified check 10% payable
 to President of District required with
 bid. Plans on file in office of clerk at
 Centerville and obtainable from ar-
 chitect on deposit of \$20, returnable.

SAN FRANCISCO—Until April 14,
 3 P. M., bids will be received by
 Leonard S. Leavy, city purchasing
 agent, 270 City Hall, under Proposal
 No. 573, to furnish and deliver stock
 furniture for School Department.
 Specifications obtainable from above.

Bids Opened.
HALL. Cost, \$170,000
CHICO, Butte Co., Calif. State Teach-
 ers' College.
 Two-story Italian type brick and con-
 crete assembly hall (to seat 1500).
Owner—State of California.
Architect—Geo. B. McDougall, State
Architect, Public Works Building,
Sacramento.

Will be two-story steel and concrete
 frame with balcony, brick and concrete
 walls, concrete floors and tile and
 composition roofs. The floor area is
 approximately 30,500 square feet with
 a heating capacity of approximately
 1500.

Following is a complete list of the
 bids:

Alt. No. 1, ded. for omission of front
 loggia and tile roof.

Alt. No. 2, ded. for omission of cer-
 tain interior finishing work.

Alt. No. 3, ded. for omission of stage
 General Work

Campbell Const. Co., 800 R Street,
 Sacramento, \$133,616; (1) \$14,338; (2)
 \$6726; (3) \$10,490.

Wm. C. Keating, Sacramento, \$134,-
 500; (1) \$10,000; (2) \$3500; (3) \$10,935.

C. D. Vezey & Son, Oakland, \$137,-
 650; (1) \$7500; (2) \$6150; (3) \$7800.

George J. Maurer, Eureka, \$138,689;
 (1) \$9800; (2) \$5000; (3) \$9800.

Sorensen & Haggmark, San Fran-
 cisco, \$141,900; (1) \$10,400; (2) \$6100;
 (3) \$7300.

Alfred L. Vezina, Oakland, \$144,417;
 (1) \$10,341; (2) \$5757; (3) \$10,435.

H. Mayson, Long Beach, \$144,578;
 (1) \$12,900; (2) \$7000; (3) \$14,200.

J. W. Cobby & Son, San Francisco,
 \$145,990; (1) \$11,000; (2) \$5000; (3) \$10-
 500.

N. H. Sjöberg, San Francisco, \$147-
 500; (1) \$9900; (2) \$5200; (3) \$9800.

F. H. Betz, Sacramento, \$150,334;
 (1) \$11,832; (2) \$6360; (3) \$14,840.

Lindgren & Swinerton, Inc., San
 Francisco, \$152,500; (1) \$9000; (2) \$3,-
 000; (3) \$2500.

David Nordstrom, Oakland, \$153,-
 751; (1) \$5876; (2) \$612; (3) \$8444.

E. T. Lesure, Berkeley, \$154,500; (1)
 \$7190; (2) \$6427; (3) \$12,872.

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Electrical Work

Alta Elec. Co., 938 Howard St., San Francisco	\$13,994
Eddy Elec. Co., S. F.	14,540
Reliable Elevator Co.	14,990
Roberts Mfg. Co., S. F.	15,172
H. F. Havercamp, S. F.	16,099
Luppen & Hawley, Sacramento	17,143
Scott Plumbing & Electric Co., Sacramento	18,245

Plumbing

F. W. Snook Co., 596 Clay St., San Francisco	\$18,523
Stultz & Slakey, Chico	21,236
Hately & Hately, Sacramento	21,434
Scott Plumb. & Elec. Co., Sacto.	22,847
F. A. McIntyre	23,683
Luppen & Hawley, Sacramento	23,666
W. H. Picard, Oakland	24,141
Carl T. Doell, Oakland	26,015
J. A. Nelson, Inc., S. F.	31,337

Bids held under advisement.

RED BLUFF, Tehama Co., Calif.—Until April 10, 7:30 P. M., bids will be received by Fred H. Weeks, clerk, Red Bluff High School District, to furnish 30 bookkeeping desks. Specifications and further information obtainable from Robert R. Hartzell, principal at high school.

Plans Completed.
SCHOOL, Cost, 1st unit, \$700,000
SAN FRANCISCO, Apts and West-gate Avenues.

Class A Junior High School (accommodate approx. 1200 pupils).
Architect—Shea & Shea, 454 Montgomery St., San Francisco.

Will be known as Aptos Junior High School.

Plans will be ready for bids in about a week or ten days.

Plans Being Figured—Bids Close 7:30 P. M., April 14.

SCHOOL, Cost, \$65,000
BURLINGAME, San Mateo Co., Cal.
Concrete grammar school.

Owner—Burlingame Element'y School District.
Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco.

Bids are wanted for a general contract with separate bids for heating system. Certified check 5% payable to Burlingame Elementary School District. Plans obtainable from architect and on file in office of clerk.

Plans Being Figured—Bids Clo. April 15, 8 P. M.

SCHOOL, Cost, \$—
SAN CARLOS, San Mateo Co., Cal.
One-story 6-classroom concrete grammar school.

Owner—San Carlos Grammar School District.

Architect—E. L. Norberg, 580 Market St., San Francisco.

Bids are wanted for a general contract with separate bids for plumbing and heating. Certified check 10% payable to A. Simpson, clerk of district. Plans obtainable from architect on deposit of \$25, returnable.

Preparing Preliminary Plans.
SCHOOL, Cost, \$20,000

YOUNTVILLE, Napa Co., Cal.
One-story three-classroom hollow tile Spanish type school.

Owner—Yountville School District.
Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento, and 3529 Emerson St., Oakland.

To vote bonds March 28th.

Plans Being Completed.
SCHOOL BLDGS., Cost, \$150,000

PITTSBURG, Contra Costa Co., Cal.
Group of four brick and terra cotta Junior High School Buildings (attached), Academic Bldg., Gymnasium, Shops and Auditorium).

Owner—Pittsburg School District.
Architect—Davis-Pearce Co., Grant

and Weber Sts., Stockton.

Bids will be called about April 1st.

Plans Being Figured.

CONVENT, Cost, \$50,000
SAN FRANCISCO, Twenty-third Ave.

and Geary St.
Three-story reinforced concrete convent.

Owner—Roman Catholic Archbishop,
1100 Franklin St.

Architect—H. A. Minton, Bank of Italy
Bldg., Eddy and Powell Sts.

Bids Rejected—Plans Being Revised.
GYMNASIUM, Cost, \$—

PRINCETON, Colusa Co., Cal.
Frame and stucco gymnasium.

Owner—Princeton School District.
Architect—Chester Cole, 1st National

Bank Bldg., Chico.
Following is a complete list of bids received:

E. M. Noble, Marysville	\$24,022
Chapman Bros., Chico	25,463
Gen. E. McDaniel, Marysville	26,000
Wm. J. Shalz, Chico	26,000
David Nordstrom, Oakland	26,638
J. M. Evans, Chico	26,987
Henry H. Staple, Colusa	27,000
McDonald & Zumwalt, Oakland	27,369
E. H. Riley, Marysville	27,894
Carl Nelson, Stockton	28,275
Azevedo & Saramento, Sacto.	28,700
Ecker & Stegmiller, Stockton	30,604
J. P. Brennan, Redding	33,044

Plans Approved.
SCHOOL BLDGS., Cost, \$323,000

LONG BEACH, Los Angeles Co., Cal.
Market St. and Louis Ave.

Group of Junior High School buildings
Owner—Long Beach Board of Education.

Architect—Parker O. Wright, Jergins
Trust Bldg., Long Beach.

Bids will be advertised shortly.

Electrical Contract Awarded.
SCHOOL, Cont. Price, \$95,816

FAIRFIELD, Solano Co., Cal.
Two-story reinforced concrete high

school (10 classrooms and auditorium).

Owner—Armijo Union High School
District.

Architect—Coffman, Sahlberg & Stafford,
First National Bank Bldg.,

Oakland.
Contractor—Frank Cress, 823 Excel-

sior Ave., Oakland.
Electrical Work—Crockett Electric

Co., Crockett, \$19,447.

Other contracts are held under advisement. Complete list of bids published March 19.

Preparing Working Drawings
SCHOOL, Bonds of \$45,000 Voted

SAN JOSE, Santa Clara Co., Cal.
Monterey Road.

One-story school; tile roof (auditorium
to seat 400).

Owner—Franklin School District.
Architect—W. H. Weeks, 111 Sutter

St., San Francisco; 1736 Franklin
St., Oakland, and Bank of Italy

Bldg., San Jose.
Bids will be taken in about three

weeks.

Plans Being Figured—Bids Close Apr.
7, 7:30 P. M.

ADDITION, Cost, \$—
SACRAMENTO, Sacramento Co., Cal.

53rd and J Sts.
One-story brick addition to school.

Owner—Sacramento Board of Education.

Architect—Dean and Dean, California
State Life Bldg., Sacramento.

Certified check 10% payable to Chas. C. Hughes, secretary, Board of Education, required with bid. Plans obtainable from architects on deposit of \$15, returnable.

Contract Awarded.
SCHOOL, Cost, \$40,000

OAKLAND, Alameda Co., Cal. 62nd
Ave. and 17th St.

Two-story frame and stucco school (4
rooms).

Owner—Roman Catholic Archbishop
1100 Franklin St., San Francisco.

Architect—Masten & Hurd, Shreve
Bldg., San Francisco.

Contractor—J. P. Brennan, 354 Hart
St., Oakland.

BANKS, STORES & OFFICES

Preparing Working Drawings.
STORES, Cost, \$25,000

SACRAMENTO, Sacramento Co., Cal.
One-story brick stores.

Owner—C. F. Aaron.
Architect—Dean and Dean, California

State Life Bldg., Sacramento.
Lessee—Hart, Shaffner & Marx.

Contract To Be Awarded.
STORE, Cost, \$200,000

STOCKTON, San Joaquin Co., Cal.
Three-story reinforced concrete store

building.
Owner—S. H. Kress Dept. Store, 62

S Broadway, Los Angeles.
Architect—John H. Fleming, Los An-

geles.
Contractor—J. S. Metzger & Son, 33

W Jefferson St., Los Angeles.

Contract Awarded.
STORE, ETC., Cost, \$125,000

LOS ANGELES, Cal. NW Wilshire
Blvd. and Catalina St.

Two-story Class C concrete and
brick store and lofts (125x162 ft.)

Owner—R. C. Freud.
Architect—Walker & Eisen, Western

Pacific Bldg., Los Angeles.
Contractor—C. L. Peck, Inc., H. W.

Hellman Bldg., Los Angeles.

Contract Awarded.
STORE, Cost, \$55,000

RICHMOND, Contra Costa Co., Calif.
24th St. and Macdonald Ave.

One-story and mezzanine floor steel
frame and brick Spanish type

store (L shaped; 50x150x100-ft.).
Owner—L. H. Schrader Co., 7th and

Macdonald Ave., Richmond.
Architect—Lynn Bedwell, 337 17th St.

Oakland.
Contractor—B. L. Spurr, 525 32nd St.

Richmond.

Plans Being Figured.
STORE, Cost, \$—

OAKLAND, Alameda Co., Calif. W
Broadway bet. 17th and 19th Sts.

Four-story class A store building.
Owner—"Money Back" Smith, 12th &

Washington Sts., Oakland.
Architect—Eng. Dept. of Lessee.

Lessee—F. W. Woolworth Co., Finan-
cial Center Bldg., San Francisco.

It is expected to start construction
about April 15th.

Contract Awarded.
ALTERATIONS, Cost, \$5000

BERKELEY, Alameda Co., Cal. No
1799 Solano Avenue.

Alterations to present building for
bank (install safe deposit vault, etc.)

Owner—American Trust Co., 464 Cal-
ifornia St., San Francisco.

Plans by Herrmann, 464 California
St., San Francisco.

Contractor—C. H. McCullough, 1631
Berkeley.

Contract Awarded.
ALTERATIONS, Cost, \$5000

SAN FRANCISCO, Fifth and Mission
Streets.

Enlarge present banking quarters (in-
stall safe deposit vault, etc.)

Owner—American Trust Co., 464 Cal-
ifornia St., San Francisco.

Plans by A. H. Herrmann, 464 Cal-
ifornia St., San Francisco.

Contractor—E. L. Fisher, 251 Kearny
St., San Francisco.

REDWOOD CITY, San Mateo Co., Cal.—Postmaster Carl K. Mable is advertising for bids to furnish quarters for postoffice. Structure must have 1,300 sq. ft. of floor space. The bids will be opened April 23.

Contract Awarded.
PUBLISHING PLANT Cost, \$10,000
REDWOOD CITY, San Mateo Co., Cal.
Washington and Webster Sts.
One-story and mezzanine floor reinforced concrete publishing plant.
Owner—Standard Printing Company, and Times-Gazette, Redwood City.
Plans by L. F. Bourquin, Redwood City.
Contractor—L. F. Bourquin, Redwood City.
Ground has just been broken.

Plans To Be Prepared.
DENTAL BLDG. Cost, \$175,000
OAKLAND, Alameda Co., Cal. 34th St. and Broadway.
Three-story reinforced steel frame and brick medico-dental building.
Owner—Withheld.
Architect—Frederick H. Reimers, Franklin Bldg., Oakland.

Contract Awarded.
UNDERPINNING Cost, \$6000
SAN FRANCISCO. E Sansome St. N Bush St.
Underpin south wall of building.
Owner—J. Brickell Co., 58 Sutter St., San Francisco.
Engineer—H. J. Brunner, Sharon Bldg., San Francisco.
Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

TULARE, Calif.—Chamber of commerce will erect a new brick and stucco building to cost \$9,000.

Contract Awarded.
ALTERATIONS Cost, \$25,000
SAN JOSE, Santa Clara Co., Calif.
Market and San Antonio Sts.
Alterations and additions to present 2-story brick store.
Owner—Auzerais Est., Auzerais Bldg., San Jose.
Plans by Mr. Bridges.
Contractor—H. A. Bridges, 1398 Lincoln Ave., San Jose.
Lessee—Star Stores, Inc.

Finished Wood Floor Contract Awarded
ADDITION Cost, \$500,000
SAN FRANCISCO. N California St. E Stockton St.
Seven-story Class A steel frame wing addition to office building.
Owner—Metropolitan Life Insurance Co., California and Stockton Sts., San Francisco.
Architect—Miller & Plueger, 580 Market St., San Francisco.
Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Finished Wood Floors—Inland Floor Co., 600 Alabama St., S. F.
Other awards previously reported.

Bids Close April 2, 2 P. M.
STORE Cost, \$10,000
TRACY, San Joaquin Co., Cal. West side Central Ave.
One-story brick class C store.
Owner—Urban Properties Co., 155 Montgomery St., San Francisco.
Architect—Bertz, Winter & Maury, 213 Post St., San Francisco.

Plans Being Completed.
OFFICES Cost, \$70,000
SANTA BARBARA, Santa Barbara Co., Cal. State and Figueroa Sts.
Two-story masonry offices.
Owner—Santa Barbara Mutual Bldg. Loan Association.
Architect—Edwards & Plunkett, 20 E. Figueroa St., Santa Barbara.

Contract Awarded.
OFFICES Cost, \$100,000
SAN FRANCISCO. Third and Stevenson Streets.
Seven-story class C office building (type of construction not decided)
Owner—Pacific States Auxiliary Corp.
Architect—Albert F. Roller, Crocker First National Bank Bldg.
Engineer—H. J. Brunner, Sharon Bldg.
Contractor—Barrett & Hil., 918 Harrison St.
Construction has been started.

Plans Being Completed.
OFFICES Cost, \$25,000
BERKELEY, Alameda Co., Cal.
Shattuck Ave. near Center St.
One-story brick and terra cotta offices (41 ft. frontage).
Owner—Pacific States Savings & Loan Association.
Architect—O'Brien Brothers & W. D. Peugh, 315 Montgomery St., S. F.

Contract Awarded.
STORE Cost, \$11,635
SAN FRANCISCO. S Chestnut and E Scott Sts.
One-story brick class C store.
Owner—Urban Properties Company, 155 Montgomery St.
Architect—Bertz, Winter & Maury, 213 Post St.
Contractor—D. L. Bienfield, 334 30th Avenue.

Plans Being Prepared.
OFFICES Cost, \$1,500,000
LOS ANGELES, Los Angeles Co., Cal.
SW First St. and Broadway.
Thirteen-story and double basement steel frame Class A offices (120x165 feet).
Owner—M. Lombardi and other local capitalists.
Architect—Alec Curlett, 325 W. 8th St., Los Angeles.

Additional Sub-Contracts Awarded.
BANK Cont. Price, \$257,500
SALINAS, Monterey Co., Cal. Main Street.
Six-story Class A steel frame terra cotta and brick bank.
Owner—Salinas National Bank.
Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Brix Bldg., Fresno.
Contractor—H. H. Larsen, 64 South Park, San Francisco.
Granite—McGillivray Raymond Granite Co., 3 Potrero Ave., San Francisco
Elevators—Spencer Elevator Co., 166 Seventh St., San Francisco.
Steel Sash, Ornamental and Miscellaneous Iron—Michel & Pfeffer Iron Works, Tenth and Harrison Sts., San Francisco.

Plans Complete.
ALTERATIONS Cost, \$25,000
SAN FRANCISCO. 18th and Shotwell Streets.
Alterations and addition for distributing office building (reinforced concrete).
Owner—Pacific Gas & Electric Co., 245 Market St.
Architect—Eng. Dept. of Owner.
Bids will be taken in about 2 weeks.

Contract Awarded.
STORES Cost, \$500,000
SEATTLE, Wash. Second Ave. and Pike Street.
Five-story and basement fireproof stores and lofts (103x176 ft.); brick facing and cast stone trim).
Owner—Fraser-Paterson Co.
Architect—John Graham, Dexter Horton Bldg., Seattle, Wash.
Contractor—Henriksen-Alstrom Construction Co., Inc., Security Bldg., Seattle, Wash.

Sub-Bids Wanted.
STORES Cost approx. \$20,000
MILLBRAE, San Mateo Co., Cal. El Camino Real.
Group of three one- and two-story frame and stucco stores and apts.
Owner and Builder—W. H. Gibbons, 391 Ashton Ave., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San Francisco.

Plans Completed.
STORES Cost, \$120,000
LOS ANGELES, Los Angeles Co., Cal.
No. 3231 Wilshire Blvd.
Two-story Class C brick stores and lofts (125x162 feet).
Owner—I. C. Freud, Talmadge Apts., Los Angeles.
Architect—Walker & Eisen, Western Pacific Bldg., Los Angeles.

Being Done By Day's Work.
REMODEL, ETC. Cost, \$20,000
SAN FRANCISCO. Fourteenth and Guerrero Streets.
Elevator installation and remodel Labor Temple.
Owner—San Francisco Building Trades Council, premises.
Plans by George R. Newsom, Supt. of Temple, premises.

Contemplated.
EXCHANGE Cost approx. \$25,000
SONORA, Tuolumne Co., Cal.
One-story telephone exchange bldg.
Owner—Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco.
Plans by E. V. Cobby, 140 New Montgomery St., San Francisco.
Construction will probably be brick.

Plans Being Figured.
STORES Cost, \$—
FAIRFIELD, Solano Co., Cal. Texas Street.
One-story reinforced concrete (2) store building.
Owner—F. C. McInnis, Fairfield.
Architect—C. E. Perry, Fairfield.

THEATRES

Plans Being Figured.
THEATRE Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal.
One-story and mezzanine floor concrete modern theatre (to seat approx. 1000).
Owner—Redwood Theatres, Inc., Geo. M. Mann and Chas. K. Koerner.
Architect—N. R. Coulter, 46 Kearny St., San Francisco.

Contracts Awarded.
THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Cal. Twelfth St. and Broadway.
Two-story theatre and store building (theatre to seat approx. 800).
Owner—Levy Estate, Oakland.
Architect—Clausen & Amandes, Hearst Bldg., San Francisco.
Contractor—James L. McLaughlin Co., 251 Kearny St., San Francisco.
Lessee—Golden State Theatres, Inc.
Electrical Work—T. L. Rosenberg, 411 Webster St., Oakland.

Bids Opened.
STAGE CANOPY Cost, \$55,000
SAN FRANCISCO. Municipal Auditorium (Civic Center).
Gridiron and canopy for stage.
Owner—City & County of San Francisco.

Architect—Bureau of Architecture, 2d Floor, City Hall (Chas. H. Sawyer, acting chief of bureau).
Following is a complete list of bids
Armstrong Studios, Inc., 255 Golden Gate Ave., S. F. \$26,950
J. L. Stewart Mfg. Co. 42,125
Bids held under advisement.

WHARVES AND DOCKS

PEARL HARBOR, T. H.—See "Government Work and Supplies," this issue. Low bidder for reinforced concrete pier, etc., at Pearl Harbor. Bids opened by Bureau of Yards and Docks.

OAKLAND, Cal.—S. S. Herriek, 18th and Campbell Sts., Oakland, at \$19,772 awarded contract by City Port Commission for steel frame on Transport Shed on Ninth Ave. Pier 14, Brooklyn Basin.

MISCELLANEOUS CONSTRUCTION

PASO ROBLES, San Luis Obispo Co., Cal.—E. A. Wood, Paso Robles, awarded contract for automobile camp for Sam Kahn. Will have garage, service station and ten units with kitchenettes and showers; cost, \$17,000.

SAN FRANCISCO—J. J. Carmody, 753 Cayuga Street, at \$1110 submitted lowest bid to City Playground Commission, 376 City Hall, to furnish and install plumbing and heating at area bounded by 24th and 25th Aves., California and Lake St. Following is a complete list of bids:

J. J. Carmody, \$1110; Skelly-Kohler, \$1210; Higgins & Kraus, \$1346; Oscar Aaron, \$1368; O'Mara & Stewart, \$1390; Scott Co., \$1427; Wm. Wara, \$1433; Herman Lawson Co., \$1550; Alex Coleman, \$1574; M. Discano, \$1698; A. Lettice, \$1750. Bids taken under advisement.

SAN FRANCISCO—E. J. Treacy, Call Bldg., at \$3353 submitted lowest bid to Board of Public Works to haul and install street markers in various section of the city, involving 49,000 metal pedestrian lane markers No. 1, hauled and installed in asphalt; 1000 metal pedestrian lane markers No. 1, hauled and installed in brick and concrete; 500 metal pedestrian lane markers No. 2, installed in asphalt; 1000 traffic turn buttons, hauled and installed; 500 traffic lane buttons, removed and reinstalled; 400 plain safety zone buttons, hauled and installed; 100 reflector safety zone buttons, hauled and installed; 200 reflector safety zone buttons, removed, hauled and reinstalled. Following is a complete list of bids:

E. J. Treacy.....\$3353
J. A. Doyle.....3660
J. Berane.....4232
M. J. Lynch.....4330
Bids held under advisement.

BAKERSFIELD, Kern Co., Cal.—Until April 9, 11 A. M., bids will be received by E. E. Smith, county clerk, to construct portico and walks for Administration Building at Bakersfield Airport. Symmes & Culimore, architects, Habersfelde Bldg., Bakersfield. Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from architects.

Preparing Plans. Cost, \$200,000
STADIUM PASADENA, Los Angeles Co., Calif.
Rose Bowl.
Replacement of wooden structure with concrete (increasing seating capacity 100,000).
Owner—City of Pasadena.
Plans by City Building Department, Pasadena.

SANGER, Fresno Co., Cal.—City trustees will call an election shortly to vote bonds of \$25,000 to finance purchase of lands for development as a municipal airport.

SANTA CLARA, Santa Clara Co., Cal.—Frank C. Mitchell, local civic leader, is chairman of a committee backing a proposal to construct a \$50,000 community controlled athletic stadium on the University of Santa Clara property. The stadium would have a seating capacity of 24,000 and would be of the mound type to include a football field, track oval and baseball diamond.

SAN FRANCISCO—Until April 9, 2 P. M., bids will be received by State Harbor Commission, Ferry Bldg., to construct ship leading platform for cold storage terminal. Certified check 5% payable to secretary of the board, Mark H. Gates, required with bid. Plans obtainable from Frank G. White, chief engineer, Ferry Bldg., on deposit of \$10, returnable.

TALMADGE, Mendocino Co., Cal.—J. T. Thorpe, 417 Market St., San Francisco, at \$2,530 awarded contract by State of California for constructing crematorium (turnace) at Mendocino State Hospital. Plans prepared by Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

BURLINGAME, San Mateo Co., Cal.—W. A. Dontanville, Salinas, at \$4,984 awarded contract by Burlingame Elementary School District for approx. 12,000 cubic yards of excavation and grading school site and playground areas for Herbert Hoover School at Canyon Road and Summit Drive and for construction of retaining walls, gutters, drains and other work appertenant thereto.

Following is a complete list of bids:
W. A. Dontanville, Salinas.....\$4984
Guerin Bros., San Francisco.....5349
J. P. Lawler, San Francisco.....5407
J. P. Holland, San Francisco.....5541
Tiffany, McReynolds & Tiffany, San Jose.....5831
Meyer Rosenberg, San Francisco.....5997
K. E. Baker, San Francisco.....6495
H. E. Casey, Burlingame.....6529
J. O'Shea, San Francisco.....6547
L. Devenenzi & Co., S. F.....6733
Granfeld, Farrar & Carlin, S. F.....7159
C. L. Jordan, Selma.....7429
E. W. Huttie, San Jose.....7469
N. Chamberlin, San Francisco.....7561
Oakland Const. Co., Oakland.....9936

Bids Rejected—New Bids Wanted—To Be Opened April 4th, 2 P. M.

TENNIS COURTS, Cost, \$—
SANTA JOSE, Santa Clara Co., Cal. State Teachers' College.
Four tennis courts.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

On previous call for bids Malott & Peterson, 3211 20th St., San Francisco, submitted lowest bid at \$9,942.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street. Phone KEarny 1252:

19056—Scrap Rubber and Metals. Barcelona, Spain. Party is inquiring for the names of exporters of scrap rubber and metals.

19063—Cheap Paints. Tokyo, Japan. Firm wishes manufacturers of cheap paints suitable for use on buildings to send lines of samples together with CIF Japan prices.

10966—Representation. New York, N. Y. Party until recently connected with an Argentinian company importing from the United States, wishes to secure the representation of a few

exporters or manufacturers for the east coast of South America, particularly Argentina.

19068 — General Representation. Ciudad Bolivar, Venezuela. Party wants to communicate with firms that are interested in being represented in Venezuela. References on file.

19069—Agent. Kiel Helkendorf, Germany. Manufacturer of all kinds of derricks, derrick fittings, hoisting engines, and cranes is seeking an agent in San Francisco. Illustrations of products on file.

D-3433—Sales Connection. Dayton, Ohio. Partner, handling sales, in substantial manufacturing concern at Dayton, Ohio, wants sales connection for other lines to sell in Ohio and Indiana. Already has excellent connections with best department stores. About two-thirds time available.

D-3434—Agency. Sausalito, Cal. Party interested in contacting Eastern firm to represent as Pacific Coast representative. Desires exclusive agency.

D-3435—Distributor. San Francisco, Calif. Party desires national or Pacific Coast distributor for mineral, mechanic and household soap.

D-3436—Distributor or Manufacturer. Agent. Seattle, Wash. Firm anxious to secure distributor for combustion chamber and valve lubricator, preferable leading hardware and automobile distributing companies.

D-3437—Wallpaper Removing Machine. South Bend, Indiana. Manufacturers of a wall paper removing machine are interested in securing manufacturers' agent or jobber in this territory to handle their machine.

D-3439—Distributor. Detroit, Mich. Company seeking to obtain a distributor in San Francisco for mechanical device for opening garage doors.

D-3440—Electrical Condensers. New York City. Manufacturers of electrical condensers used as part of radio sets, electric motors used for interference elimination and power factor correction is interested in securing adequate sales representation in San Francisco.

D-3441 — Representation in East. New York City. Service organization interested in securing manufacturers in California to open agencies in New York. Their service embraces the purchase and sale of products of all kinds for the account of their clients and representation in any other capacity that may be desired.

D-3442, — Representation. Portland Ore. Firm interested in representing San Francisco manufacturers on brokerage basis in northern territory.

BRITISH REDUCING LUMBER IMPORTS

Fears of increased taxation in the forthcoming government budget and increasing unemployment have combined to make British lumber buyers cautious, according to a cable March 20 from Donald Renshaw, commercial attache in London, it is announced by the U. S. Department of Commerce.

January business in American hardwoods, says this report, showed little improvement, even in the face of less heavy importations. Douglas fir imports decreased and the demand was only fair. There was a limited inquiry for pitch pine and forward business in this species was difficult to arrange.

Plywood purchases for forward delivery have been disappointing, and there is a continued absence of demand. Prices for Douglas fir plywood remain steady.

Engineering News Section

BRIDGES

CORONADO, San Diego Co., Cal.—The city council has adopted a resolution approving a state franchise granted to the McClintic-Marshall Co. to construct a bridge between Coronado and San Diego. The proposed bridge will be 135 ft. in height above high water and carry two pedestrian lanes with an auto highway 24 ft. wide. Cost, about \$3,000,000. Chester A. Smith is the company's attorney. San Diego representative is A. F. Healy and the district manager at Los Angeles, E. F. Gohl. A United States permit has not yet been secured.

PLUMAS COUNTY, Cal.—Until April 16, 2 P. M., bids will be received by State Highway Commission to construct a reinforced concrete girder bridge over the fork of the Feather River at Chester, consisting of three 35-ft. spans on concrete pile bents. See call for bids under official proposal section in this issue.

CALAVERAS COUNTY, Cal.—Until April 16, 2 P. M., bids will be received by State Highway Commission to construct a reinforced concrete girder bridge over Calaveritas Creek 3 miles south of San Andreas, consisting of one 60-ft. span on concrete piers and six 30 ft. spans on concrete bents and abutments with rubble masonry wing walls.

See call for bids under official proposal section in this issue.

PLUMAS COUNTY, Calif.—As previously reported, bids will be received April 16 by State Highway Commission to construct a reinf. conc. girder bridge across the north fork of Feather River at Chester, consisting of three 35-ft. spans on concrete pile bents. Project involves: 610 lin. ft. reinf. conc. piles; 170 cu. yds. class A Port. cem. conc.; 5 cu. yds. class E Port. cem. conc.; 28,000 lbs. reinf. steel; 506 lbs. bronze expansion plates; 1 lot miscellaneous items of work.

CALAVERAS COUNTY, Calif.—As previously reported, bids will be received April 16 by State Highway Commission to construct a reinforced concrete girder bridge across Calaveritas Creek, 2 miles south of San Andreas, consisting of one 60-ft. span on concrete piers and six 30-ft. spans on concrete bents on abutments with rubble masonry wing walls. Project involves: 300 cu. yds. struc. excavation; 560 cu. yds. class A Port. cem. conc.; 19 cu. yds. class E Port. cem. conc.; 96,000 lbs. reinf. steel; 1525 lbs. cast steel rockers and bearings; 700 lbs. bronze expansion plates; 58 cu. yds. rubble masonry; 1 lot, miscellaneous items of work.

FRESNO, Fresno Co., Cal.—Acting City Engineer W. F. Rantsma announces plans will be completed within thirty days for proposed \$200,000 Belmont avenue subway. It is proposed to have the project started in August.

SAN RAFAEL, Marin Co., Cal.—M. McGowan, Call Bldg., San Francisco, at \$1619 awarded contract by city council to construct timber bridge on pile foundation, involving 6900 B. of redwood; 4700 B. M. Oregon Pine

and 15 fir or pine piles. Other bidders were: Harbor Construction Co., \$1734; L. E. Kingsbury, \$1800; Rocca & Caletti, \$1900; Delta Dredging Co., \$1974.

ROSEVILLE, Placer Co., Cal.—Until April 2, 7:30 P. M., bids will be received by F. R. Chilton, city clerk, to construct steel bridge across Dry Creek within city limits. Certified check 10% required with bid. Plans on file in office of city engineer.

MODESTO, Stanislaus Co., Cal.—County Supervisor J. Frank Fowler reports plans are being prepared for a \$75,000 bridge over the Stanislaus river north of Oakdale; approx. 505 ft. in length.

CALIFORNIA—Senator Ray Fellow, vice-president of the Peninsula Grade Crossing Conference, announces steps will be taken to place on the November ballot a proposal to issue bonds of \$10,000,000 to finance the construction of grade crossings in municipalities and on county roads.

MARTINEZ, Contra Costa Co., Cal.—Until April 7, 11 A. M., bids will be received by county supervisors to construct reinforced concrete culvert under Buchanan road in S. D. 4, 2 miles south of the city of Pittsburg. Plans obtainable from County Surveyor R. R. Arnold.

NAPA, Napa Co., Calif.—John H. May, Napa, at \$4,467 awarded contract by city council to reconstruct the 3rd St. Bridge. Complete list of bids follows:

John H. May, Napa, (a) 230 cu. yds. excavation, \$460; (b) concrete (1-2-4 mix), \$2,108; (c) concrete (1-3-6 mix) \$420; (d) reinforcing bars (18,550 lbs.) \$927.50; (e) handrail (including bars and posts), \$440; (f) expansion plates, \$70; (g) remove stone handrail and belting course, \$41.50; total \$4,667.

C. H. Gildersleeve, Napa, (a) \$575; (b) \$2,604.40; (c) \$392; (d) \$334.75; (e) \$402; (f) \$34; (g) \$50; total, \$4,952.15.

Harry Thorsen, St. Helena, (a) \$460; (b) \$2,356; (c) \$448; (d) \$927.50; (e) \$770; (f) \$78.75; (g) \$59.80; total \$5,100.05.

George French, Jr., Stockton, (a) \$391; (b) \$2,480; (c) \$420; (d) \$334.75; (e) \$660; (f) \$70; (g) \$41.50; total \$4,897.25.

STOCKTON, San Joaquin Co., Cal.—Until April 21, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to construct bridge at site of former structure on Van Allen Rd. over south branch of Little Creek. Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans obtainable from Julius Manthey, county surveyor.

DREDGING, HARBOR WORKS & EXCAVATIONS

RICHMOND, Contra Costa Co., Cal.—Bids are being received by E. A. Hoffman, city engineer, for dredging Ellis Slough, the work to be financed by property owners. Approximately 1,500,000 cu. yds. of material will be dredged and dumped on adjacent property to bring it up to a grade 8-ft. above water. The cost of dredging, filling and bulkheading is estimated at \$300,000. Property owners who will

finance the work include: Santa Fe Railroad Co.; San Francisco Bridge Co.; Duncan & Harrison, Richmond Navigation & Improvement Co., Richmond Investment Co., Enterprise Foundry Co. and A. Banzoff.

PEARL HARBOR, T. H.—Until April 23, 11 A. M., under Specification No. 6128, bids will be received by Public Works Officer, Twelfth Naval District, 100 Harrison St., San Francisco, for dredging at Naval Ammunition Depot, West Loch, Pearl Harbor, on site of proposed wharf. Specifications obtainable from above on deposit of \$25, returnable.

IRRIGATION PROJECTS

TRACY, San Joaquin Co., Cal.—Pereira & Reed, Tracy, at \$4117.20 awarded contract by Banta-Carbena Irrigation District for excavation and distribution system improvements, under Contract No. 18, involving: 15,000 cu. yds. excavation; install 70 redwood drops and furnish lumber and material for same; install 14 timber turnouts and furnish lumber and material for same; one concrete turnout and furnish material for same; one 30-inch concrete pipe road-crossing and one 24-in. pipe road-crossing and furnish material for same; one metal flume, wooden sub-structure over main lift canal, material for this to be furnished by district. Other bids: H. J. Murray, Hughson, \$5900; Oakland Constr. Co., (J. S. Thoming), 755 60th St., Oakland, \$6775.

TURLOCK, Stanislaus Co., Cal.—L. W. Terrell, Turlock, at \$1055 awarded contract by Turlock Irrigation District for imps. in Dist. No. 30, involving approximately 800 lin. ft. of 24-in. low pressure concrete pipe either machine made or poured in place and approximately 1½ cu. yds. of concrete in one intake structure with one 24-in. Calco side gate in place.

TURLOCK, Stanislaus Co., Cal.—Aldrin & Anderson, Turlock, at 10c sq. ft. awarded contract by Turlock Irrigation District for 24,076 sq. ft. 2-in. concrete canal lining and 1½ sq. ft. 71,806 sq. ft. 2-in. canal lining in District No. 23 and at \$14.50 cu. yd. for 30.6 cu. yds. concrete for approximately 27 concrete structures.

TURLOCK, Stanislaus Co., Cal.—United Concrete Pipe Corp., Modesto, at \$5446.48 awarded contract by Turlock Irrigation District for imps. in Dist. No. 30 involving approximately 3200 lin. ft. of 16-in. reinforced high pressure concrete pipe in place; two 16-inch reinforced stand pipe in place, s total of 33 lin. ft.; 20 lin. ft. 16-in. metal drain pipe crossing in place with Dayton Union and concrete abutments; 6 cu. yds. of reinforced concrete in outlet structure and drain crossing.

TURLOCK, Stanislaus Co., Cal.—E. Erickson, Route 4, Modesto, awarded contract by Turlock Irrigation District for improvements in Imp. Dist. No. 36, involving 19,000 sq. ft. concrete canal lining with necessary main structures. Bid follows: 10c

sq. ft. for lining; \$14 cu. yd. for concrete structures; 30c lin. ft. for raising canal both sides.

STREET LIGHTING SYSTEMS

LONG BEACH, Calif.—City council has ordered street lighting construction in Prospect Ave., bet. Ocean Blvd. and Pacific Electric Railway right of way involving Southwest Street Lighting Co.'s standards. 1911 Act.

PACIFIC GROVE, Monterey Co.,—Until April 2, 7:30 P. M., bids will be received by W. G. Stubbs, city clerk, (3149) to install ornamental street lighting system in Central Ave., bet. First St. and Fountain Ave., and Fountain Ave., bet. Ocean View Ave. and Lighthouse Ave., involving 46 single light Union Metal Manufacturing Co.'s electroliners No. 807 together with underground system. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

BAKERSFIELD, Kern Co., Calif.—City council declares intention (602) to install 72 electroliner standards with underground system in 17th St., K St. and Union, and L St., bet. 17th and 19th Sts. Unit metal standards, Design No. 1891. 1911 Act. Hearing April 7. V. Van Riper, city clerk. W. D. Clarke, city manager.

RICHMOND, Contra Costa Co., Cal.—Merchants Association proposes installation of electroliner system in Macdonald Ave. to replace present system. Petitions are in circulation for presentation to the city council seeking electroliners in Tenth St., bet. Cutting Blvd. and Lucas Ave. E. A. Hoffman is city engineer.

OAKLAND, Cal.—Greater Elmhurst Development Association is backing proposal for the installation of a modern electroliner system in East 14th St., bet. 83rd and 90th Aves. A 15-ft. two-unit standard has been installed as a sample for such an installation.

MACHINERY AND EQUIPMENT

OAKLAND, Calif.—P. B. Hackley Equipment Co., 625 Market St., San Francisco, at \$1,115 submitted low bid to East Bay Municipal Utility Dist. to furnish one 200-ampere portable, gasoline engine driven electric stable arc welder complete with accessories. Complete list of bids, all taken under advisement, follows:
 Hackley Equip. Co., S. F. \$1,115
 Spears-Wells Mach. Co., S. F. 1,185
 Chas. S. Jorges, Berkeley 1,209
 Lincoln Electric Co., S. F. 1,210
 Westinghouse Elec. & Mfg. Co., Emeryville 1,236
 Palmer & Peterson, S. F. 1,249
 Jensen Machinery Co., S. F. 1,262
 Brown Bros. Welding Co., S. F. 1,282
 Harron, Richard, McCone, S. F. 1,282
 Fusion Welding Corp., S. F. 1,324
 Schrader Elec. Co., S. F. 1,425

OAKLAND, Cal.—Six bids, all identical, were received by the East Bay Municipal Utility District to furnish one air compressor, driven by 4-cylinder heavy duty gasoline engine guaranteed to deliver 265 actual cu. ft. per minute at 100 lbs. pressure, completely equipped with air cleaner and oil filter. Bidders were: E. R. Bacon Co., Ingersoll-Rand Co., Harron, Richard and McCone, Rix Co., and T. B. Hackley, all of San Francisco, and Spears-Wells Machinery Co., Oakland.

PETALUMA, Sonoma Co., Cal.—Until April 7, 8 P. M., bids will be received by John A. Olmsted, secretary, Petaluma City High School District, (a) to furnish two truck chassis for school transportation and (b) construct and furnish two bus bodies to be built on chassis furnished by Board of Education. Certified check 10% required with bid. Specifications on file in office of secretary.

BAKERSFIELD, Kern Co., Cal.—Until April 7, 7:30 P. M., bids will be received by Kern County High School District, to furnish and deliver one transportation chassis and one transportation bus body. Specifications obtainable from Principal at High School, Fourteenth and F Sts. Bakersfield.

SACRAMENTO, Cal.—Until April 7, 2 P. M., bids will be received by W. H. Ittel, Superintendent of Equipment, Shop No. 10, State Highway Commission, 1802 34th St., Sacramento, for the sale of the following equipment no longer required by the commission:
 CHC 30 Detroit Mower Att. for Fordson

CHC 35 Detroit Mower Att. for Fordson
 CHC 22 1/4 yd. Universal Power Shovel, Model B.
 CHC 23 Buffalo-Pitts 18 ton roller, Gas.
 CHC 24 Buffalo-Pitts 18 ton roller, Steam.
 CHC 34 McLeod Burner, Pavement, with hood, 2 wheel.
 CHC 245 5' Austin Giant Grader with solid rubber tires.
 CHC 187 Office Wagon, 10'2"x6'6"
 CHC 204 Office Wagon, 10'2"x6'6"
 CHC 208 Office Wagon, 10'2"x6'6"

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at 1802 34th Street, Sacramento, California, from 8:30 A. M. to 4:30 P. M. on any working days, except Office Wagon CHC 187, located at Cordelia; Office Wagon, CHC 204, located at Stockton; and Office Wagon, CHC 208, located at Twin Cities.

Deliveries will be made as soon as approval of sale is obtained from the Department of Finance.

SACRAMENTO, Cal.—Until April 7, 2 P. M., bids will be received by D. H. Greeley, superintendent of equipment, Shop 3, State Highway Commission, 1802 34th St., Sacramento, for the sale of the following equipment no longer required by the commission:

CHC 1186 Liberty Truck Chassis with cab.
 CHC 1988 Maxwell Screenside.
 CHC 2546 Ford Touring, Model T.
 CHC 2 Hauck Pavement Burner.
 CHC 43 5-ft. Rawls Highway Mower.
 CHC 94 Austin International Motor
 CHC 44 5-ft. Rawls Highway Mower. Grader equipped with McCormick-Deering 10-20 Tractor.
 CHC 96 Austin International Motor Grader equipped with McCormick-Deering 10-20 Tractor.
 CHC 178 Spearswell Tractor.
 CHC 63 Grader with McCormick-Deering 10-20 Tractor.
 CHC 117 Caterpillar Tractor, 30-hp. with street plates.

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All equipment may be inspected at the Division of Highways yards at 1852 34th St., Sacramento, California, from 8:30 A. M. to 4:30 P. M. on any working day.

Deliveries will be made as soon as approval of sale is obtained from the Department of Finance.

REDDING, Shasta Co. Cal.—Until April 7, 2 P. M., bids will be received by J. M. O'Malley, Superintendent of Equipment, Shop No. 2, California State Highway Commission, for the purchase of the following equipment no longer required:

CHC 2709 Express, G. M. C. 1928 T 19, 1 ton screenside, canopy top.
 CHC 2827 Chrysler sedan (at Red Bluff).

CHC 43 car, mine dump, Matteson 13-in. gauge wood frame, steel wheels no body.

CHC 8 crusher rock, Champion 47 jaw.

CHC 22 drill, Sullivan, type DP-33

rotator.

CHC 52 drill, Sullivan, type DP-33

rotator.

CHC 34 grader, Royal Special, 8-ft

blade.

CHC 29 grader-tractor, Att., No.

Adams Leaning wheel, 8-ft. blade.

CHC 34 grader-tractor Att., Had

field-Pennfield, 1 man, 8-ft. blade.

CHC 35 grader-tractor Att., Had

field-Pennfield, 1 man, 8-ft. blade.

CHC 12 mixer, concrete, Foote on

sack.

CHC 29 mower, Myers model M-

CHC 40 mower, Rawls 6-ft.

CHC 42 mower, Rawls 6-ft.

CHC 2 plow, snow, Baker 12-ft

blade for Holt 5 ton tractor.

CHC 16 plow, snow Baker 8-foe

blade for Nash Quad.

CHC 19 plow, snow, Baker 8-foe

blade for Best 30 tractor.

CHC 18 shovel, gas, Insley-Fordso

25.6-hp, 1/2-yd. bucket.

CHC 185-70 tractor and attachmen

McCormick-Deering tractor & Spears

Wells 1 man attachment.

CHC 229 wagon, gravel.

Bidders may make offers for one

or more items but must state price

offered for each item. No lump su

bids will be considered.

All equipment may be inspected at

the Division of Highways yards at

Redding, California, from 7:30 A. M.

to 4:30 P. M. on any working day.

Deliveries will be made as soon as

approval of sale is obtained from the

Department of Finance.

SAN LUIS OBISPO, Calif.—Until

April 7, 2 P. M., bids will be receive

by R. P. Hamlin, superintendent

equipment, Shop No. 5, San Luis Obi

po, for the sale of the following equi

pment, no longer required by the com

mission:

CHC 2044 Chevrolet 1-ton Hand Dun

Truck.

CHC 2077 Chevrolet 1-ton Hand Dun

Truck.

1 set of Wooden wheels without axl

from Studebaker Water Wagon

t Wooden cargo body for Model

Ford truck, cap, 1/2-ton.

1 4x4-in. Pump, Buckeye single cy

linder.

CHC 35 4x6-in. Pump, Gould triplex

CHC 36 5x6-in. Pump, Gould triplex

CHC 37 3-in. Pump, American centi

fugal.

CHC 91 4x5-in. Pump, Meyers mod

359.

CHC 76 Gas Engine, F. M. 3-hp.

CHC 78 Gas Engine, F. M. 6-hp.

CHC 80 Gas Engine, F. M. 10-hp.

CHC 81 Gas Engine, F. M. 10-hp.

CHC 3 Steam Engine, 7 1/2-in. ve

single cyl. 12-hp. F. M.

CHC 47 Concrete Mixer, Foote No. 1

E with 10-hp. Novo Eng.

3 2-wheel Scrapers.

1 Conical Sand screen with cast ba

nd driving gears. Length 6-ft

din. 5x4-ft. 5/16-in. holes.

1 1-yd. Drag line bucket, Sauerman

2 1-yd. Car unloaders.

1 Small Concrete mixer, scrap.

2 Sets Heavy running gears fro

Studebaker water wagon.
CHC 25 Gas Engine, 30-hp. Doak.
CHC 113 Cook Wagon.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at San Luis Obispo, California, from 8:30 A. M. to 4:30 P. M., on any working day, except Gas Engine, 30-hp. Doak, CHC 25, which may be inspected at the Highway yards at Paso Robles, and Cook Wagon, CHC 113, which may be inspected at the Highway yards at Santa Barbara.

Deliveries will be made as soon as approval of sale is obtained from the Department of Finance.

EUREKA, Humboldt Co., Cal.—Until April 7, 2 P. M., bids will be received by W. H. Pierce, Supt. of Equipment, Shop No. 1, State Highway Commission, Eureka, for the sale of the following equipment no longer required:

- CHC 1318 Standard truck chassis with cab.
- " 1319 Standard truck chassis with cab.
- " 1326 Standard truck chassis with cab.
- " 2296 Moreland truck chassis with cab.
- " 2484 Ford Express Model T.
- " 2 Crusher, Acme rock.
- " 112 Engine, Cadillac gas.
- " 2 Loader, Mandt wagon.
- " 57 Pump Unit, 4x5 in. F. M. Type ZA.
- " 67 Pump Unit, 3 in. Gould Centrifugal.
- " 3 Scraper, Bagley dragline 1½ yd.
- " 8 Scraper, Bagley dragline 2½ yd.
- " 2 5 K. W., 110 Volt Winton Generator sets, gasoline engine driven.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at Eureka, California, from 8:30 A. M. to 4:30 P. M. on any working day, except the following, which may be inspected at Highway yards at Elk Valley:

CHC 9 Holst, Willamette-Yarder, 4 drum steam.

Deliveries will be made as soon as approval of sale is obtained from the Department of Finance.

RAILROADS

SPOKANE, Wash. — Washington-Oregon Electric Railway Co., a subsidiary of the Spokane, Portland and Seattle Railway Co., seeks authorization of Interstate Commerce Commission to construct a 30-mile extension in the Willamette Valley, beginning at Eugene and extending through Oak Hill Pass to Hadleyville and from there to Lorence and on to the Siuslaw River. A 10-mile branch will extend from Hadleyville to Panther. The new construction will serve an extensive area of fir timber land with an estimated stand of six billion board feet. The territory is without railroad service at present.

WALNUT CREEK, Contra Costa Co., Cal.—R. F. Easley, Artloach, awarded contract by Sacramento Short Line of Sacramento Northern Electric Railroad Co. to widen roadbed between Walnut Creek, Contra Costa County, and Sacramento.

FIRE ALARM SYSTEMS

LINCOLN, Placer Co., Cal.—Seagraves Co., San Francisco, at \$6000 awarded contract by city trustees to furnish auxiliary pump type fire engine.

OAKLAND, Cal.—Auto Call Co., 320 Market St., San Francisco, at \$1,695.90 submitted low bid to City Port Commission to furnish and deliver electric equipment for fire alarm system at Municipal Airport. Other bids, all taken under advisement, were: Holtzer-Cabot Electric Co., \$1,950; Gamewell Co., \$2,167.50; American District Tel. Co., \$2,465.

FIRE EQUIPMENT

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy recommends widening of Army St., as a cross-city arterial to link up all Peninsula traffic lanes. The project would cost \$1,000,000 and would involve making the thoroughfare 100 ft. wide from the Bayshore Highway to Valencia St. It is recommended that the San Francisco Supervisors provide \$250,000 each year from state funds received from the gas tax and auto registration receipts, to finance such construction.

RESERVOIRS AND DAMS

SAN DIEGO, Cal.—Gist & Bell, 148 El Dorado St., Arcadia, sub. low bid to city council March 17 at \$61,489 for construction necessary to enlarge the Morena dam and spillway to provide an increased reservoir capacity of approximately 1,000,000 gallons additional. Other bids were: Monarch & Breen, Inc., \$66,515; Miracle Const. Co., \$71,202.60; Butterfield Const. Co., \$76,228.

PIPE LINES, WELLS, ETC.

EUREKA, Humboldt Co., Cal.—W. S. Selvage, Eureka, at \$770 for 70 ft. depth, 35 inch dia. awarded contract by city council to drill well at Hawthorne St. and Broadway for municipal water department. Aune Machinery Co., Eureka, only other bidder at \$1400.

SEWERS AND SEWAGE DISPOSAL PLANTS

PINOLE, Contra Costa Co., Cal.—Town trustees contemplate construction of a storm sewer to run from Pinole Park along Fernandez Ave. to Pinole Creek. Surveys are being made.

VALLEJO, Solano Co., Cal.—County Surveyor P. A. Steiger completes plans for proposed sewer system to serve northern and eastern outskirts of the city of Vallejo. The project is estimated to cost \$150,000.

MISCELLANEOUS CONSTRUCTION

OAKLAND, Cal.—Following awards of contract made by East Bay Municipal Utility District:

50,000 gallons of grade "E" hot asphalt delivered as required f. o. b. trucks at heating plant located at any point within the East Bay Utility district, to Heafey-Moore, 344 High St., Oakland, \$3875.

2500 tons size ¾ inch to 1½ inch crushed rock, delivered as required f. o. b. corporation yard at 22nd and Adeline Sts., Oakland, to Hutchinson Co., 1450 Harrison St., Oakland, \$1000.

750 tons of size ¾ inch to 1½ inch crushed rock, delivered as required f. o. b. trucks at bins located at any

point within the East Bay Municipal Utility district, to Hutchinson Co., 1450 Harrison St., Oakland, \$1125.

1000 tons of "birds eye" screenings delivered as required to corporation yard at 22nd and Adeline Sts., Oakland, Makin & Kennedy, Inc., 101 4th St., Oakland, \$1850.

3000 tons of "birds eye" screenings delivered as required f. o. b. trucks at bins located at any point within the East Bay Municipal Utility district, to Makin & Kennedy, Inc., 101 4th St., Oakland, \$450.

5000 concrete meter boxes and covers delivered as required to corporation yard, 22nd and Adeline Sts., Oakland, to Art Concrete Works, 24th and Adeline Sts., Oakland, \$3500.

LOS ANGELES, Cal.—H. W. Rohl & Co., Roosevelt Bldg., Los Angeles, at \$652,738 submitted low bid to Board of Public Works to construct three tunnels and appurtenant work in connection with the Figueroa St. Extension, in accordance with plans prepared by Merrill Butler, chief bridge engineer, City Hall. The work involves construction of three concrete and tile lined tunnels through Elysian Park, the tunnels to be approximately 46.5 ft. in width by 23 ft. high, of semi-circular shape, of an aggregate length of 996 ft. There will be one 5 ft. walk with 1½ ft. curb on the opposite side. In addition to the tunnels, the job will include storm drain estimated at about \$30,000, retaining wall, and necessary walls and cement concrete paving.

WATER WORKS

WATSONVILLE, Santa Cruz Co., Cal.—Grant Miner, Jr., 505 Emerson St., Palo Alto, awarded contract by city council at \$116,924 to construct a slow sand filter plant and appurtenances, reservoir lining and cover and other water works improvements, the project comprising the following principal features:

Concrete slope and bottom, lining, concrete piers and wooden roof, together with certain piping, water measuring device and other improvements and at the two main distributing reservoirs at Freedom Village, approximately 2 miles west of north of the business district of Watsonville.

A slow sand filter plant having a nominal maximum capacity of 2.5 million gallons daily, embracing a sedimentation basin, 5 filter units, sand storage bin, filtered water basin, 50,000-gallon storage tank, head house, tool and storage houses, together with all piping and appurtenances, and in the vicinity of Corralitos Village, approximately 7 miles west of north of the business district.

The following approximate quantities are involved in the above improvements: 5700 cu. yds. of net excavation for structures; 2550 cu. yds. of concrete, mostly reinforced; 212,500 ft. b.m., of lumber in roofs and elsewhere; 6000 lin. ft. of water and drain pipe ranging from 1 inch to 20 inches in size and of various materials. In addition to the above there will be grading and considerable other work of a miscellaneous nature.

SAN FRANCISCO—Until April 15, 10 A. M., Schedule No. 928-30-236, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver c. i. soil pipe and fittings, including 470 bends, quarter, straight hub, 270 2-in. and 200 4-in.-150 close, 150 nipples; 950 square head plugs; 2531 malleable iron pipe fittings; 1300 ft. soil pipe, 4-in. in 5 ft. lengths of which 300 ft. will be single and 1000 ft. double hub; 3200 ft. 4-in. wrought

iron pipe, welded; 220 brass or bronze body valves, 80 $\frac{1}{2}$ -in., 34 $\frac{3}{4}$ -in., 6 3-in., and 100 Globe 1-in., for 211 lbs. S.W.P. Specifications and further information obtainable from above.

SANTA BARBARA, Cal.—Until 1:30 P. M., April 2, bids will be received by the city clerk for all labor and material (except pump, motor and starter which will be furnished by the city) for constructing a salt water pipe line and pumping system for Los Banos Del Mar pool, located at West Cabrillo Blvd. and Castillo St. The work involves 947 ft. of 6-in. welded iron pipe, with valves, fittings, suction hose, buoy, and pump foundations. Certified check or bond, 10% E. B. Brown, city engineer.

SAN FRANCISCO—Until March 31, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish:

10,000 ft. 6-inch cast iron (Class 150) centrifugally cast, bell and spigot pipe (made in U. S. A.) in either 12 or 16 ft. lengths, f. o. b. docks, San Francisco.

Specifications and further information obtainable from above.

SAN FRANCISCO—Until March 31, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, to furnish:

Standard weight galvanized steel pipe, (made in the U. S. A.), in random lengths, threaded and coupled, to be ordered for Mill shipment, f. o. b., 639 Bryant St., San Francisco, sizes as follows:
500 ft. $\frac{1}{2}$ -inch.
20,000 ft. $\frac{3}{4}$ -inch.
1,000 ft. 1-inch.
2,500 ft. $1\frac{1}{2}$ -inch.
20,000 ft. 2-inch.

Specifications and further information obtainable from city purchasing agent.

ALHAMBRA, Calif.—Until April 1, bids will be received by the city commission for approximately 400 tons of cast iron pipe and 25 tons of fittings. The pipe is to be used for high pressure mains on Alhambra Road, T. B. Downer is the water superintendent.

EUREKA, Humboldt Co., Cal.—Until April 1, 5 P. M., bids will be received by John Griffith, city superintendent of public works, 524 D St., Eureka, to furnish one deep well turbine pump with nominal capacity of 350 G. P. M. against a total head of 85 feet. Pump shall consist of a pumping element with a motor to be operated on a 440-volt, 3-phase, 60-cycle A. C. and at a speed not to exceed 1500 revolutions per minute; a pumping unit consisting of one or more impellers of the enclosed type, each operating in a separate case or bowl; a combination discharge column consisting of an outer housing, an inner housing and a drive shaft with suitable bearings, and a galvanized cornucopia strainer. Bids to be f. o. b. Eureka. Certified check 10% payable to city clerk required with bid.

TULARE, Tulare Co., Cal.—Bids will be asked shortly by Municipal Board of Public Utilities for water main extensions and sinking well in west side of city.

SAN FRANCISCO—National Cast Iron Pipe Co., Balboa Bldg., San Francisco, awarded contract by Quartermaster Supply Officer, Fort Mason, to furnish: item 1, 6000 ft. pipe, water 10-in.; 2, 1 reducer, 12 to 10 in.; 3, 1 Y branch. Item 1, \$1.19 ft.; 2, \$1.35

3, \$23.88; f. o. b. Manila. Other bids were:

American Cast Iron Pipe Co., 808 Balboa Bldg., item 1, \$1.23 ft. f. o. b. Manila, 76c Birmingham, 97.4c Ft. Mason; 2, \$16 Manila, \$14 Birmingham, \$15.35 Ft. Mason; 3, \$26.45 Manila, \$23.50 Birmingham, \$25.50 Ft. Mason. United States Pipe & Foundry Co., 307 Monadnock Bldg., item 1, \$1.196 ft.; 2, \$16, 3, 27.45 f. o. b. Manila, or item 1, \$1.078; 2, \$14.70; 3, \$25.50, Ft. Mason.

SAN JUAN CAPISTRANO, Orange Co., Cal.—W. K. Hilyard, engineer, Santa Ana, preparing plans for 250,000 gal. concrete reservoir and installation of water mains and fire hydrants for Orange County Water Dist. No. 4; estimated cost, \$36,000.

WHITTIER, Los Angeles Co., Cal.—City sets April 14 as date to vote bonds of \$30,000 to finance extensions and improvements to water system.

STREETS AND HIGHWAYS

YUBA COUNTY, Cal.—As previously reported, bids will be received Apr. 16 by State Highway Commission to grade and pave with concrete, 0.9-mil. through Wheatland. Project involves: clearing and grubbing, 9300 cu. yds. rdwy. excav. without class; 29,500 sta. yds. overhaul; 160 cu. yds. struc. excav.; 10,800 sq. yds. subgrade for pave.; 2065 cu. yds. class A Portland cem. conc. (pave.); 43 cu. yds. class A Port. cem. conc. (struct.); 54,000 lbs. bar reinf. steel (pave. and struc.); 600 cu. yds. pit run gravel (borders and street connections); 55 tons untreated crushed gravel or stone surf. (borders and street conn.); 124 lin. ft. 12-in., 46 lin. ft. 18-in. and 44 lin. ft. 24-in. corr. metal pipe; 115 cu. yds. removing and disposing of conc. in existing pavement and struc.; 6 mi. moving and resetting ppty. fences; 4 mi. new hog-tight pty. fence; 51 sta. finish roadway; 18 each, monuments, complete, in place. State will furnish corr. metal pipe.

FRESNO, Fresno Co., Cal.—Until April 3, 10:30 A. M., bids will be received by H. S. Foster, city clerk, (103-D) to construct 6-in. vit. clay pipe sewer in alley in Roeing Addition, including 3 cement conc. manholes with c. i. covers; 4-in. on 6-in. wyes. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Frank Rantsma, acting city engineer.

LAKE COUNTY, Cal.—Following bids received March 24 by Jno. H. Skeggs, District Engineer, District No. IV, San Francisco, to furnish and apply, as a dust layer, light fuel oil on 23 miles of highway between Mid-

dletown and the Old Williams Road: J. A. Casson, Hayward, \$6404.58; Dysher & Lafargue, San Anselmo

..... \$520.50
Chas. Kuttinger, Lakeport..... 6694.38
C. S. Frederickson & Son, Lower Lake 7071.12
Geo. French Jr., Stockton..... 7216.02
C. W. Woods, Stockton..... \$259.30
Lee J. Immel, Berkeley..... 8954.82
Bids held under advisement.

SACRAMENTO, Cal.—John W. Huggard, 17 Brooklyn St., San Jose, awarded contract by city (2295) to improve alley between S. and T. and 26th and 27th Sts., involving c. i. drains; vit. sewers; re-construct manhole; grade; 1-in. water main connections; hydraulic concrete pavement.

SACRAMENTO, Cal.—City council declares intention (2301) to improve alley between H and I, 21st and 22nd Sts., involving c. i. drains; vit. sewers; reconst. manhole; install 1-inch water main connections; grade; hyd. conc. pavement. 1911 Act. Bond Act 1915. Hearing April 10. H. G. Denton, city clerk. Fred J. Klaus, city engineer.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisen, 46 Kearny St., S. J. Francisco, at \$7,892.65 awarded contract by city council (5024) to improve 15th St. bet. Taylor and Mission Sts., involv. grading; $\frac{1}{2}$ -in. asph. conc. surface pavement on 3-in. asph. conc. base; conc. curbs, gutters and walks; 4-in. vit. pipe house lateral sewers.

VALLEJO, Solano Co., Cal.—John W. Huggard, 17 Brooklyn St., San Jose, at \$1,857 awarded contract by city council (169) to improve Lozier alley bet. Sonoma and Sutter Sts., involv. grading; r. w. curbs; 5-inch cem. conc. pave. Other bids: Louis Tagnon, Vallejo, \$1,954; J. E. Johnston, Stockton, \$2,005.

SACRAMENTO, Cal.—John W. Huggard, 17 Brooklyn St., San Jose, awarded contract by city (2296) to improve alley between W and X, Alhambra Blvd. and 32nd St., involving c. i. drains; vit. pipe sewers; 1-in. water main connections; grading; hyd. concrete pavement.

SUNNYVALE, Santa Clara Co., Cal.—City trustees rescind resolution providing for the paving of 39 blocks of streets and will start new proceedings for open type of paving rather than Warrenite-Bitultic as proposed in the original resolution. New specifications will provide for grading; 2-inch asphaltic concrete surface on 3-inch asphaltic concrete base; cem. conc. curbs, gutters, walks and driveways; 4-in. and 6-in. cem. conc. pipe house sewer laterals; $\frac{1}{2}$ -in. water main connections; conc. pipe storm

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water sewer, etc. Work under 1911, 1915 Bond Act. Streets to be improved are: Washington Ave. from Pastoria Ave. to Bayview Ave., Evelyn Ave. from west city limits to Bayview Ave., McKinley Ave. from Pastoria Ave. to Bayview Ave., Iowa Ave. from Frances St. to Arques St., Pastoria Ave. from Evelyn Ave. to the north city limits, Matilda Ave. from Evelyn Ave. to McKinley Ave., Taafte St. from Evelyn Ave. to Washington Ave., Carroll St. from Evelyn Ave. to McKinley Ave. and Bayview Ave. to Evelyn Ave.

GLENN COUNTY, Cal.—Following bids received March 26 by State Highway Commission to pave with Portland cement concrete 5.2 miles between Logandale and Willow: Basich Bros. Const. Co., Title Insurance Bldg., L. A. \$146,319 C. W. Wood, Stockton. 155,699 Frederickson & Watson Const. Co., Oakland 162,298 Hanrahan Co., San Francisco. 162,919 T. M. Morgan Paving Co., L. A. 162,986 Mathews Const. Co., Sacto. 163,223 N. M. Ball, Porterville. 164,670 M. J. Bevanda, Stockton. 168,487 Bids held under advisement.

TUOLUMNE AND MARIPOSA Counties, Cal.—Until April 7, 3 P. M., bids will be received by R. E. Pierce, District Engineer, State Highway Commission, 502 State Office Bldg., Sacramento, to furnish and apply as a dust layer light fuel oil on 42.9 miles of state highway between Stevens Bar Bridge and Yosemite National Park.

CRESCENT CITY, Del Norte Co., Cal.—Until April 16, 11 A. M., under Specification No. 6140, bids will be received by Public Works Officer, Marc Island Navy Yard, for repairs to road at U. S. Naval Radio Compass Station at Pt. St. George. Plans obtainable from above on deposit of \$5, returnable.

SALINAS, Monterey Co., Cal.—City council declares intention (\$6) to improve portions of Front St. and Gabillan St., involving grading; hyd. cem. conc. curbs; 5-in. hyd. cem. conc. pavement; hyd. cem. conc. walks, catchbasins, manholes; 10-in. corr. iron pipe culverts. 1911 Act. Bond Act 1915. Hearing April 7. M. R. Keefe, City Clerk. Howard Cozzens, county surveyor.

VISALIA, Tulare Co., Calif.—Until April 7, bids will be received by Ida Markham, city clerk, (135-C) to improve E Mineral King Ave. bet. South Court and S Conyer Sts., and S Conyer St. bet. Mineral King Ave. and bridge over Mill Creek, involving grading; 4-

in. asph. conc. pave. with 1½-inch (granular surface type) Warrenite-Bit. surface; hyd. conc. curbs, gutters, catchbasins; storm sewers. 1911 Act. Bond Act 1915. Est. cost \$40,000. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

VISALIA, Tulare Co., Calif.—Until April 7, bids will be received by Ida Markham, city clerk, (134-C) to improve north half of E Mineral King Ave. bet. East St. and east city limits; south half of E Mineral King Ave. bet. East St. and point 1057 ft. east of East St.; S Tipton St. bet. E Mineral King Ave. and point 20 ft. north of Griffiths Tract and Shaver's Addition, involving hyd. conc. curbs, driveways and sidewalks. 1911 Act. Bond Act 1915. Est. cost, \$3,000.

Certified check 10% payable to city required with bid. Plans on file in office of clerk.

YUBA CITY, Sutter Co., Calif.—County Road Commissioner Oscar W. Lanzendorf has completed specifications to oil surface 1½ miles of Sutter Basin road from Reed road to pt. ½ mile south of Oswald; 16-ft. wide. It has not been determined whether the road will be done by day labor or contract.

ALAMEDA, Alameda Co., Calif.—Healy-Moore, 344 High St., Oakland, at \$25,727.75 awarded contract by city council (95) to improve Park St. from its north termination at San Antonio Estuary to San Jose Ave., involving widening for 2½-ft. on each side of the street; construct concrete gutters, curbs; corr. iron culverts and pave. widened area with asphalt concrete. Other bids: Hutchinson Co., Oakland, \$27,635; Western Roads Co., Oakland, \$30,097.

SIERRA COUNTY, Cal.—Until April 10, 2 P. M., bids will be received by U. S. Bureau of Public Roads, 461 Market St., to grade 3.10 miles of Section "D" of Route No. 26, Yuba Pass National Forest Highway, in Tahoe National Forest, Sierra County. Project involves: 80,645 cu. yds. unclassified excavation; 340 cu. yds. structural excavation; 28,000 sta. yds. overhaul; 3.10 miles finishing earth graded roads. 30 cu. yds. concrete; 1,212 lin. ft. corr. metal pipe (in place); 500 cu. yds. hand laid rip rap; 400 cu. yds. hand laid rock embankment; Haul and piling logs (lump sum); Right-of-way monuments (in place) 114 in all.

Plans obtainable from District Engineer, C. H. Sweetser, 461 Market St., San Francisco, on deposit of \$10,

returnable. Check for plans to be certified and made payable to Federal Reserve Bank of San Francisco.

YUBA COUNTY, Cal.—Until April 16, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete 0.9 mile through Wheatland.

See call for bids under official proposal section in this issue.

SAN DIEGO-IMPERIAL COUNTIES Cal.—Until April 16, 2 P. M., bids will be received by State Highway Commission to furnish and apply heavy fuel oil on shoulders of 35.4 miles of highway in various sections of San Diego and Imperial Counties.

See call for bids under official proposal section in this issue.

LOS ANGELES COUNTY, Cal.—Until April 16, 2 P. M., bids will be received by State Highway Commission to furnish and apply to the shoulders heavy fuel oil on 26.5 miles between the westerly boundary and Santa Monica.

See call for bids under official proposal section in this issue.

PACIFIC GROVE, Monterey Co., Cal.—Clark & Henery Construction Co., Chancery Bldg., San Francisco, awarded contract by city (3162) to improve Gibson Ave. bet. Fountain Ave. and East City Limits, involving grading; cem. conc. curbs, gutters; 2½-in. asphaltic concrete pavement with 1½-in. asph. conc. surface, conc. catchbasin; storm drain.

PACIFIC GROVE, Monterey Co., Cal.—Clark & Henery Construction Co., Chancery Bldg., San Francisco, awarded contract by city (3159) to improve Fountain Ave. bet. Light-house and Sinex Aves., involving grading; cem. conc. curbs, gutters; 2½-in. asph. conc. base; 1½-in. asph. conc. surface pavement; storm drains; 4-in. vit. clay pipe lateral sewers, conc. catchbasins.

SANTA ANA, Orange Co., Cal.—The Orange County Supervisors have approved the Ortega Highway cost estimates prepared by A. C. Fulmore, county surveyor of Riverside County. State aid is expected to result from a conference to be held by district officials and B. B. Meek, state director of public works. The meeting will be held in Sacramento within the next few days. Total cost of the Elsinore-San Juan Capistrano Highway is estimated at \$675,000.

PACIFIC GROVE, Monterey Co., Cal.—City will start proceedings at once to pave Cedar St., bet. Light-house Ave. and Bay View, a distance of one block.

PACIFIC GROVE, Monterey Co., Cal.—Until April 3, 7:30 P. M., bids will be received by W. G. Stubbs, city clerk, (3170) to improve Congress Ave. bet. Sinex Ave. and south city limits and Sinex Ave. between alley extension of Park St. and Congress Ave., involving 6-in. vit. sanitary sewer; 4 brick manholes. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—City council declares intention (311) to improve portions of Santa Rosa, Fig and Stenner Sts., involving grading; 6-in. and 8-in. hyd. cem. conc. paving, etc. Est. cost, \$18,000. 1911 Act. Bond Act 1915. Hearing April 7. Callie M. John, city clerk.

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MONTEREY-SAN BENITO COUNTIES, Cal.—State Highway Commission has provided \$10,000 for immediate survey of Coast Highway from Prunedale to the Rocks cut-off, eliminating the San Juan Grade. The total cost of the grade elimination project is estimated at between \$800,000 and \$1,000,000. C. H. Purcell is state highway engineer.

STOCKTON, San Joaquin Co., Cal.—Until April 14, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to improve J. R. Pearson Road in Rd. District No. 2 1.44 miles in length. Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Specifications obtainable from County Surveyor Julius Manthey.

HUMBOLDT COUNTY, Cal.—Until April 1, 2 P. M., bids will be received by F. W. Hazelwood, district engineer State Highway Commission, Eureka, to grade and surface with untreated crushed gravel or stone, 0.5 mile between Arcata Overhead Crossing and 1/2 mile east.

See call for bids under official proposal section in this issue.

ROSEVILLE, Placer Co., Cal.—Until April 2, 7:30 P. M., bids will be received by F. R. Chilton, city clerk, to construct sidewalks in Park Drive. Certified check 10% required with bid. Plans obtainable from city engineer.

MENDOCINO COUNTY, Cal.—Until April 7, 2 P. M., bids will be received by Jno. H. Skeggs, District Engineer, State Highway Commission, State Bldg., San Francisco, to furnish and apply light fuel oil on 38 miles of state highway between McDonald and Flynn Creek, to serve as a dust layer.

See call for bids under official proposal section in this issue.

SANTA CRUZ COUNTY, Cal.—Until April 7, 2 P. M., bids will be received by Jno. H. Skeggs, district engineer, State Highway Commission, to furnish and apply light fuel oil on 20.2 miles of state highway in Santa Cruz county, to serve as a dust layer.

See call for bids under official proposal section in this issue.

SAN RAFAEL, Marin Co., Cal.—Until April 3, 8 P. M., bids will be received by Eugene W. Smith, city clerk, (485) to improve 2nd St., bet. A St. and Toll road; A St. bet. 3rd and 2nd Sts.; Brooks St. bet. Third and Second Sts.; Lindaro St., bet. 3rd and 2nd Sts., and Toll Rd. from Lincoln Ave. to Irwin St., involving grading; construct 18-inch ironstone pipe main sewer; 6-in. ironstone house connections; corr. iron and ironstone pipe culverts; reinf. conc. syphon drain; conc. catchbasins and manholes; conc. curbs and gutters; place stone sub-base and surface with 5-in. asph. conc. pavement. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. H. K. Brainerd, city manager.

SAN JOSE, Santa Clara Co., Cal.—Until April 8, 8 P. M., bids will be received by Walter L. Bachrodt, secretary, Board of Education, to pave North Tenth street fronting school property. Plans obtainable from Wm. Popp, city engineer.

FRESNO, Fresno Co., Cal.—Acting City Engineer W. F. Rantsma preparing plans to widen California Ave. and straighten Colle Ave. at Olive Ave.

SACRAMENTO, Cal.—Bids received March 11 by the State Purchasing Agent, J. F. Misphey, for furnishing

road oil for state highway purposes, were:

Shell Oil Co.—50-60 light oil, 89c f. o. b. Martinez; 50-60 light oil, 65c f. o. b. Ora; 60-70 heavy oil, \$1.04 f. o. b. Martinez; 60-70 heavy oil, 89c f. o. b. Ora; 90-95 asphaltic oil, \$9.50 ton f. o. b. Martinez.

Mohawk Petroleum Co.—50-60 and 60-70, 45c bbl. f. o. b. their refinery at Mopeco. This company did not bid on 90-95 asphaltic oil.

General Petroleum Co.—50-60 light oil, 89c f. o. b. Oakland; 60-70 heavy oil, 80c f. o. b. Taft and Seguro; 60-70 heavy oil, \$1.04 f. o. b. Oakland. This company did not bid on the 90-95 asphaltic oil.

Union Oil Co.—50-60 light oil, 89c f. o. b. Oileum; 50-60 light oil, 65c f. o. b. Maltha; 50-60 light oil, 85c f. o. b. Wilmington; 60-70 heavy oil, \$1.04 f. o. b. Oileum; 60-70 heavy oil, 80c f. o. b. Maltha; 60-70 heavy oil, \$1 f. o. b. Wilmington; 90-95 asphaltic oil, \$9.50 ton f. o. b. Oileum.

Associated Oil Co.—50-60 light oil, 85c f. o. b. Avon; 50-60 light oil, 60c f. o. b. San Joaquin Valley Fields; 60-70 heavy oil, \$1 f. o. b. Avon or Fort Costa; 90-95 asphaltic oil, \$9.50 ton f. o. b. cars Avon.

Gilmore Oil Co.—50-60 light oil, 89c f. o. b. Northern Refineries; 50-60 light oil, 65c f. o. b. San Joaquin Valley Fields; 60-70 heavy oil, \$1.04 f. o. b. Northern Refineries; 60-70 heavy oil, 80c f. o. b. San Joaquin Valley Fields; 90-95 asphaltic oil, \$9.50 ton f. o. b. their refinery Roadam with freight rates adjusted to competitive points.

Seaside Oil Co.—50-60 light oil, 80c f. o. b. San Francisco Bay shipping points; 60-70 heavy oil, 90c San Francisco Bay shipping points; 90-95 asphaltic oil, \$8.55 f. o. b. San Francisco Bay shipping points.

Standard Oil Co.—50-60 light oil, 89c f. o. b. Richmond; 50-60 light oil, 65c f. o. b. Seguro; 50-60 light oil, 89c f. o. b. Lyoth; 50-60 light oil, \$1.10 f. o. b. Eureka; 60-70 heavy oil, \$1.04 f. o. b. Richmond; 60-70 heavy oil, 80c f. o. b. Seguro; 90-95 asphaltic oil, \$9.50 f. o. b. Richmond or Seguro.

Tarr & McComb Corp.—50-60 light oil, 54 1/2c f. o. b. Pentland; 60-70 heavy oil, 57 1/2c f. o. b. Pentland.

Awards have not been made on any of the above products, and are help up pending results of tests from the state laboratory.

CLAUSSEN COMPANY WILL OPEN NEW EAST BAY PLANT

Formal opening of the warehouse and sales offices of the C. G. Claussen and Company, Inc., at 1650 Thirtieth-second street, Oakland, for the sale and distribution of iron and steel products, pipe, valves, fittings, engineering and marine supplies, in the East Bay District, will be held April 1st, it is announced by C. A. Wall, one of the resident managers of the new branch.

The new warehouse and offices were established in Oakland to better serve East Bay customers and to further develop the large market that exists in that section. From the Oakland plant distribution will be made not only to the East Bay district but to both Northern and Central valley sections.

C. A. Wall and C. C. Beatie will be in charge of the Oakland branch as resident managers. C. A. Claussen and Company, incorporated, is owned and controlled by C. G. Claussen, W. G. Gilmore, C. A. Wall and C. C. Beatie, all of whom have been associated in the steel and iron business in the bay district for many years.

The new Oakland plant covers approximately 30,000 square feet and is equipped with an overhead traveling crane and indoor spur track to facilitate the handling of the heavy mate-

rial. Cutting equipment has been installed and the bins and storage racks have been so arranged that the stock is readily accessible.

Among items that will be carried in stock are steel bars and bands, steel angles, channels, I beams, tees, cold rolled shafting, sheared and universal mill plates, checkered steel floor plates black, galvanized and blue annealed steel sheets, bars for reinforcing of concrete and special steels of all kinds. There will also be standard black and galvanized pipe, hydraulic pipe, irrigation and oil well casing, malleable iron, cast iron and brass fittings of all kinds and brass and iron body valves. The stock will also include marine supplies such as bolts, nuts, rivets, screws, files, hack saw blades, wrenches, Manila rope and cordage, cotton waste and wool waste.

FERGUSON COMPANY ANNOUNCES NEW DIVISION

Officials of The H. K. Ferguson Company, engineers and builders, Cleveland, Ohio, announce a new division in their organization which will broaden their activities in the commercial building field, handling the design and construction of banks, office buildings and other commercial structures.

Walter J. Aring, who for six years has been in charge of development and maintenance of all property owned and controlled by The Union Trust Company of Cleveland, has resigned his position with the bank to head the new division.

Mr. Aring's wide experience in construction and in economic study of real estate development has earned him wide recognition as a consultant in the layout and design of investment property. He has served on commissions of the Building Owners and Managers Association and has been called into consultation by many banking business connections of The Union Trust Company during the consideration of important building plans.

Harold K. Ferguson, president of The H. K. Ferguson Company, in commenting on his firm's decision to enter the commercial building field, stated, "We already have the architectural, engineering and building organization necessary for this type of work. We have felt a demand among investors and building organizations for the same type of service which the larger industrial units of the country have accepted as the economical way to handle their construction work."

BRITISH LUMBER BUYERS CAUTIOUS IN FEBRUARY

Fears of increased taxation in the forthcoming government budget and increasing unemployment have combined to make British lumber buyers cautious, according to a cable from Donald Renshaw, commercial attache in London, to the Lumber Division of the Department of Commerce.

January business in American hardwoods, says this report showed little improvement, even in the face of less heavy importations. Douglas fir imports decreased considerably during January as compared with the previous month, and the demand was only fair. There was a limited inquiry for pitch pine and forward business in this species was difficult to arrange.

Plywood purchases for forward delivery have been disappointing in volume, and there is a continued absence of demand for this product. Prices for Douglas fir plywood remain steady and a satisfactory volume of business is reported.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
351	Dempsey	Baumgartner	3000
352	Hinman	Owner	3000
353	Petersen	Owner	65000
354	Neylan	Papenhausen	2000
355	Samuelson	Owner	6000
356	Watson	Owner	3000
357	Bjorkman	Owner	7500
358	Herzig	Owner	6000
359	Risdon	Owner	6000
360	Sunset	Harms	25000
361	White	Ostlund	5000
362	Ingerman	Owner	4000
363	Koch	Owner	4000
364	Levin	Jensen	1400
365	South	Owner	8750
366	South	Owner	10250
367	Stoneson	Owner	3500
368	Gordon	Owner	4000
369	Standard	Owner	4500
370	Voorhies	Owner	10000
371	Voorhies	Owner	12000
372	Melbourne	American	3500
373	Brickell	Lindgren	4000
374	Bramey	Coburn	2000
375	Nelson	Owner	7000
376	Ruth	Isaacson	3500
377	Smith	Owner	8000

ALTERATIONS

(351) 531 DUBOCE AVE.; alterations to (3) flats.
Owner—M. A. Dempsey, 531 Duboce Avenue.
Architect—None.
Contractor—G. G. Baumgartner, 252 Lexington. \$3000

ALTERATIONS

(352) 3255 PACIFIC AVE.; alterations to dwelling.
Owner—Dr. F. Hinman, 3255 Pacific Avenue.
Architect—None. \$3000

BUILDING

(353) NW SEVENTH and Brannan; two-story, part basement and part mezzanine brick light industrial building.
Owner—N. A. Petersen, care architect.
Architect—J. E. Kraft & Sons, Phelan Bldg. \$65,000

ALTERATIONS

(354) 80 SAN FERNANDO WAY; alterations to dwelling.
Owner—J. F. Neylan, 80 San Fernando Way.
Architect—None.
Contractor—H. Papenhausen, 595 Victoria. \$2000

DWELLING

(355) E DARIEN 200 N Kenwood; 1-story and basement frame dwelling.
Owner—A. M. Samuelson, 901 Geneva.
Architect—None. \$6,000

APARTMENTS

(356) APPLETON AVE. 50 E Mission St.; one-story and basement frame (2) apts.
Owner—E. Watson, 3 Appleton Ave.
Architect—E. Dobkowitz. \$3,000

DWELLINGS

(357) N CRESCENT 78 E Murray; three 1-story and basement frame dwellings.
Owner—V. Bjorkman, 3845 Mission St.
Architect—None. each \$2500

DWELLINGS

(358) E SAN ALESO 80 N Upland; two 1-story and basement frame dwellings.
Owner—A. J. Herzig, 635 Victoria.
Plans by D. E. Jaekle, Call Bldg. \$6000

DWELLING

(359) S BAY 111 W Bay; two-story, and basement frame dwelling.
Owner—Risdon Bros., 2170 Beach St.
Plans by Owners. \$6000

SHOP

(360) W HAMPSHIRE 165 S Mariposa; one-story concrete shop.
Owner—Sunset Scavenger Shop.
Architect—None.
Contractor—R. H. Harms, 1217 Stanton St. \$25,000

ALTERATIONS

(361) N POST ST. 100 E Grant Ave.; alterations to store.
Owner—White House, Post St. and Grant Ave.
Architect—C. H. Snyder.
Contractor—Ostlund & Johnson, 1901 Bryant St. \$5000

DWELLING

(362) W 20th AVE. 159 N Santiago; one-story and basement frame dwelling.
Owner—C. Ingerman, 2395 20th Ave.
Plans by D. E. Jaekle, Call Bldg. \$4000

DWELLING

(363) SW PERSIA & Athens; one-story and basement frame dwelling.
Owner—W. R. Koch, 599 Chenery.
Architect—None. \$4000

ALTERATIONS

(364) W POLK 40 N Broadway; alterations to subdivide store.
Owner—S. H. Levin, 745 Clement St.
Architect—A. H. Larsen, 447 Sutter.
Contractor—G. P. W. Jensen, 320 Market St. \$1400

SHELTER

(365) FIFTH ST. bet. King and Berry; one-story steel frame roof shelter between freight sheds.
Owner—Southern Pacific Co., 65 Market St.
Architect—J. H. Christie, 65 Market Street. \$8750

SHELTER

(366) FIFTH ST. bet. King and Berry; one-story steel frame roof shelter bet. freight sheds.

Owner—Southern Pacific Co., 65 Market St.
Architect—H. H. Christie, 65 Market Street. \$10,250

DWELLINGS

(367) NW GENEVA and Cayuga; six 1-story and basement frame dwellings.
Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena.
Architect—C. F. Strothoff, 2274 15th Street. each \$3500

DWELLING

(368) W ALEMANY 124 N Santa Rosa Ave.; one-story and basement frame dwelling.
Owner—H. Gordon, 312 Hanover.
Architect—None. \$4,000

DWELLING

(369) E 20th AVE. 183 N Ulloa; one-story and basement frame dwelling.
Owner—Standard Bldg. Co., 218 Castaneda.
Plans by W. Robinson. \$4500

RESIDENCE

(370) S JACKSON 110 W Walnut St.; three-story and basement frame residence.
Owner—W. R. Voorhies, Inc., 369 Pine Street.
Architect—None. \$10,000

RESIDENCE

(371) S JACKSON 74 E Laurel St.; three-story and basement frame residence.
Owner—W. R. Voorhies, Inc., 369 Pine Street.
Architect—None. \$12,000

ALTERATIONS

(372) 530 MASON; alterations to hotel lobby.
Owner—Mrs. H. Melbourne.
Architect—A. Leo Ellis, 110 Sutter St.
Contractor—American Woodworking Co., 2800 20th St. \$5500

UNDERPINNING

(372) E SANSOME 137 N Bush St.; underpin south wall of building.
Owner—J. Brickell Co., 53 Sutter St.
Engineer—H. J. Brunner, Sharon Bldg.
Contractor—Lindgren & Swinnerton, 625 Standard Oil Bldg. \$4000

ALTERATIONS & ADDITIONS

(373) 97 COLERIDGE; alterations & additions to dwelling.
Owner—R. Bramey, 97 Coleridge.
Architect—None.
Contractor—Ira W. Coburn, Hearst Bldg. \$2000

DWELLINGS

(374) N JUDSON 100 E Genessee; 2 1-story and basement frame dwellings.
Owner—C. L. Nelson, 208 Fairmont St.
Architect—None. each \$3500

DWELLING

(375) W DIAMOND 60 S 21st St.; one-story and basement frame dwelling.
Owner—A. Ruth, 704 Diamond St.
Architect—None.
Contractor—Isaacson & Nyland, 3900 Folsom St. \$3500

Capital City Title Company

J. C. PALEN

Manager

914 Seventh Street

Sacramento - California

DWELLINGS

(376) W 25th AVE. 125 N Santiago; two 1-story and basement frame dwellings.

Owner—M. Smith, 545 Guerrero St.
Architect—None. each \$4000

BUILDING CONTRACTS

San Francisco County

60 Sattui	Benedetti	21142
61 Urban	Bienfield	11635
63 Kubitschek	Liebelt	12000

BUILDING

(60) E HOWARD 205 S Nineteenth. All work for two-story and basement frame building

Owner—R E Sattui, 2465 Howard St, San Francisco.

Architect—None.

Contractor—A. De Benedetti, 22 Cotter St., San Francisco.

Filed Mar. 22, '30. Dated Feb. 3, '30. Frame up.....\$5285.50

Brown coated.....\$285.50

Completed and accepted.....\$285.50

Usual 35 days.....\$285.50

TOTAL COST, \$21,142

Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

STORE

(61) S CHESTNUT 192-6 E Scott. All work for one-story and basement store.

Owner—Urban Properties Co.

Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.

Contractor—D. L. Bienfield, 334 30th Ave., San Francisco.

Filed Mar. 22, '30. Dated Mar. 21, '30. On 5th of each month.....75%

Usual 35 days.....25%

TOTAL COST, \$11,635

Bond, \$11,635. Surety, Maryland Casualty Co. Limit, 70 days. Forfeit none. Plans and specifications filed.

(62) W HAMPSHIRE ST. 262-6 S Mariposa St. N 100 x W 200; all work on 2-story class B garage and office.

Owner—Sunat Scavenger Co., 2501 Mission St.

Architect—A. H. Knoll, Hearst Bldg. Contractor—R. H. Harms, 1217 Stanyan St.

Filed Mar. 24, '30. Dated Mar. 20, '30. Thirty days from date.....75%

Every 15 days after.....75%

Usual 35 days.....25%

TOTAL COST, \$40,185

Bond, \$40,185. Sureties, Fidelity and Casualty Co. of N. Y. Limit, two and one-half months; garage within five weeks. Plans and Spec. filed.

GAS FURNACE

(63) W CASTRO ST. 108-5 N 16th St. N 26 x W 120; install gas furnace and erect 2-story and basement frame building.

Owners—E. and A. Kubitschek, 3728 15th St.

Architect—None.

Contractor—C. J. Liebelt and P. Suehnel, 209 Nevada St.

Filed Mar. 25, '30. Dated Nov. 12, '29. Excav. and foundations comp.....\$2500

Roof on.....2500

One coat plaster inside & out.....2500

Completed.....2500

Usual 35 days.....2000

TOTAL COST, \$12,000

Limit, 120 days.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
March 20, 1930—S DAY ST 30 E	
Church St E 25 x S 100. Wm F Barry to L H Stevenson.....	

March 20, 1930—SW PERSIA AVE

50 NW Prague St SW 25 x SW 100. F C Frank to whom it may concern.....March 20, 1930

March 20, 1930—PTN LOT 7 BLK 3278 map Mt Davidson Manor. R M and Elsie L Schadt to whom it may concern.....March 20, 1930

March 20, 1930—NW McALLISTER and Leavenworth W 137-6 x W 137-6. Leavenworth - McAllister Realty Corp to Cahill Bros.....March 13, 1930

March 19, 1930—LOT 15 BLK 3043 map Blks 3043 and 3044 Monterey Heights. Henry and Hazel Stoneson to whom it may concern.....February 24, 1930

March 19, 1930—O'FARRELL ST bet Stockton and Powell Sts. Rialto Properties Co to Lindgren & Swinerton, Inc.....March 10, 1930

March 19, 1930—COR POLK AND Golden Gate Ave. Associated Oil Co to Chas L Harney.....Mar. 15, 1930

March 19, 1930—2255-55A-57-59 SAN Jose Ave. Nickolas Gunfermann to Gilbert L Plov.....January 30, 1930

March 21, 1930—LOT 1 BLK 3038 map Blks 3050 to 3053 and ptn Blk 3038 and 3054 Westwood Highlands all lot 10 and ptn lot 11 blk 3043, Monterey Heights. Henry and Hazel Stoneson to whom it may concern.....March 19, 1930

March 21, 1930—W 17th AVE 54 S Kirkham S 25 x W 82-6. Michael and Nellie Costello to whom it may concern.....March 19, 1930

March 22, 1930—W FAIRFIELD Way 27-75 N line lot 7 S 37-75 N 64-12 W 88-65 N 23-347 S 69° 43' 42" E 85-682, Mt Davidson Manor. R F Galli to whom it may concern.....March 22, 1930

March 22, 1930—E ALEMANY Blvd 100 N Silver Ave 26x114. Wm E and J Grosman to whom it may concern.....March 21, 1930

March 25, 1930—W 18th AVE 75 N Lawton N 25 x 95. Herman Christenson to whom it may concern.....March 25, 1930

Mar 25, 1930—E PENINSULA AVE 155 S Lathrop Ave 93x100. Wm H Grahm to whom it may concern.....March 22, 1930

March 24, 1930—S CHESTNUT 161-6 E Divisadero E 25 x 137-6; S Chestnut 181-6 E Divisadero E 25 x 137-6. Elia L Shaffer to whom it may concern.....March 22, 1930

March 24, 1930—W 44th AVE 225 N Judah St. K Walter Oertel to whom it may concern.....Mar 24, 1930

March 21, 1930—N RAYMOND AVE 125 E Delta 25x100. Harry Apte to whom it may concern.....March 22, 1930

March 21, 1930—S DUBOUC AVE 50 E Guerrero E 30 x S 80. O E Carlson to whom it may concern.....March 19, 1930

March 21, 1930—NW MUNICH 475 SW Russia Ave SW 25 x NW 100 ptn RL 80 Excelsior Hd Assn. Emil Peterson to whom it may concern.....March 18, 1930

March 21, 1930—W EDNA 75 South Hearst Ave 75x100. The Roman Catholic Archbishop of S F to Liebelt & Trobeck.....March 20, 1930

LIENS FILED

San Francisco County

Recorded	Amount
March 20, 1930—COMG AT perpen 23-4 Gates and perpen dist 400 S Eugenia Ave E 23-4 S 49 m or 1 to NW Cortland Ave SW 22-7 1/2 to SE cor lot 457 Gift map No 1 N 53 m or 1 to beg Lot 458 Gift Map. Marcello Cammarri vs V J and Azzarello and Antonio and Jane Dee Bataglia.....\$411	
March 19, 1930—2320 LEAVENWORTH ST C C W and H H	

Hauu vs H W Hyland.....\$55.39

March 19, 1930—LOT 36 BLK A map Glen Park Terrace. S F Hardware Co vs Olaf and Inga Martinussen and Alexander Angelovich.....\$49

March 19, 1930—E 34th AVE 200 S Ulloa S 25 x E 120. Crowe Glass Co vs N and R A Roche.....\$61

March 21, 1930—S WAYLAND and Amherst SW 120 x SE 100. Peter J McHugh vs Maria Siri.....\$495

March 21, 1930—S WAYLAND and Princeton SW 240 x NW 200. Peter J McHugh vs Maria Siri (2 liens).....\$1104, \$1008

March 24, 1930—SE BAKER AND Jefferson S 29 x E 100. S P and C Meda as Meda Art Tile Co vs V Masarie and A U Cuneo as Masarie & Cuneo and Hugo and D Carissimo.....\$908.19

RELEASE OF LIENS

San Francisco County

Recorded	Amount
March 20, 1930—E 25th AVE 550 N Riveria N 50 x E 82-6. California Const Co to John and Nellie Murphy.....	
March 19, 1930—NE PINE & MASON N 275 x E 206-3. W P Fuller & Co to California-Mason Realty Co and G D Smith.....\$10	
March 22, 1930—LOT 36 BLK A map Glen Park Terrace. O G Windell and B Blaiotta to Margaret and F A Johnson, J H Payne March 22, 1930—NW GRAND View Ave 175-3 1/2, SW Morgan Alley, SW 24-10 1/2 NW 165 m or 1 NE 25-3 SE 161-6 1/2 m or 1 to beg ptn lot 7 blk 22 Market St. City Sash & Door Co, J S Guerlin & Co, F W Kay C, Thomas F Garrett, P J Kelly, J H McCallum to J B and Jane Doe. Hensel.....	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt
305	Stone	Cleland	1900
306	Berg	Owner	5000
307	Mayhew	Hooper	7350
308	Golden	Windle	127
309	Lyon	Sueff	3000
310	Oakland	Oison	12800
311	Wadsworth	Marshall	100
312	Wickham	Thornson	530
313	Manning	Mullin	100
314	Trimble	Owner	350
315	Barone	Engman	500
316	Freidman	Leland	100
317	Johnson	Johnson	600
318	MacDonald	Owner	100
319	Peterson	Reimers	400
320	Master	Brennan	2740
321	Taylor	Owner	200
322	Felton	Martin	445
323	Vaila	Loblaw	450
324	Franks	Leard	150
325	Silva	Monez	350
326	Weaver	Owner	495
327	Jones	Nylander	500
328	Becker	Franklin	495
329	Derry	Derry	500
330	Supriano	Martin	1400
331	Cushman	Owner	750
332	Telefon	Owner	330
333	Kaiser	Nunemacher	4400
337	American	Owner	5680
338	Barnett	Owner	310
339	Cambr	Brilhante	210
340	Dowling	Owner	200
341	Hart	Owner	280
342	Ingraca	Owner	800
343	McCarriah	Williamson	320
344	Costa	Allen	600
345	Graber	Leslie	500
346	Justice	Owner	40
347	Hanson	Owner	50
348	Fay	Owner	40
349	Hanson	Owner	50
350	Meled	Owner	45

349 Body Owner 5000
 350 Fleming Owner 2750
 351 Squires Owner 7000
 352 Sylvester Coward 1300
 353 American Herman 5000
 354 Tyrell Owner 4000
 355 Legris Owner 3000
 356 Mathewyer Mathewyer 4000
 357 Warren Owner 4000

RESIDENCE
 (305) NO. 2318 KELSEY ST., Berkeley. One-story 3-room 1-family residence.
 Owner—Mrs. Jessie Stone, 2320 Kelsey St., Berkeley.
 Architect—Otto M. Eash.
 Contractor—W. J. Cleland, 1031 Ordway Ave., Berkeley. \$1900

RESIDENCE
 (306) NO. 2218A, 2218B CARLTON ST., Berkeley. One-story 6-room 2-family frame residence.
 Owner—Edward Berg, 629 56th St., Oakland.
 Contractor—Paul Anderson, Doris Court, Alameda. \$5000

RESIDENCE
 (307) NO. 946 REGAL ROAD, Berkeley. Two-story 7-room 1-family residence.
 Owner—T. C. Mayhew.
 Architect—None.
 Contractor—W. H. Hooper, 732 Cragmont Ave., Berkeley. \$7350

ADDITION
 (308) SW COR. SEVENTH & Kirkham Sts., Oakland; addition.
 Owner—Golden West Brewing Co., 7th and Kirkham Sts., Oakland.
 Architect—None.
 Contractor—Geo. Windeler Co., 8th and Hooper Sts., San Francisco. \$1275

DEMOLISH BUILDING
 (309) W BROADWAY 50 S 18th St., Oakland; demolish building.
 Owner—Harvey Lyon, Syndicate Bldg. Oakland.
 Architect—None.
 Contractor—D. J. Sueli, 2626 Ivy Dr., Oakland. \$3000

ADDITION
 (310) NE COR FLEMING and Monticello Sts., Oakland; brick addition to school.
 Owner—Oakland Public Schools, 1025 2nd Ave., Oakland.
 Architect—J. J. Donovan, 1916 Broadway, Oakland.
 Contractor—Alfred Olson, 631 Viona Ave., Oakland. \$128,000

CREAMERY
 (311) NE COR. E 12th ST. and 42nd Ave., Oakland; one-story brick & tile creamery building.
 Owner—R. Wadsworth, 69 Santa Clara Ave., Oakland.
 Architect—None.
 Contractor—W. C. Marshall, 1727 Webster St., Oakland. \$10,000

(312) E WOODROW DRIVE 800 S Park Blvd., Oakland; one-story 6-room dwelling and garage.
 Owner—Wickham Havens Co., 1510 Franklin St., Oakland.
 Architect—None.
 Contractor—Oliver W. Thornton, 1510 Franklin St., Oakland. \$5300

ALTERATIONS
 (313) NO. 2105 UNIVERSITY AVE., Berkeley. Alterations.
 Owner—Manning's Coffee Store, 371 Brannan St., San Francisco.
 Architect—None.
 Contractor—Mullen Mfg. Co., 60 Rausch St., San Francisco. \$1000

RESIDENCE
 (314) NO. 1345 ADA ST., Berkeley. One-story 5-room 1-family frame residence.

Owner—A. Trimble, 1348 Hopkins St., Berkeley.
 Architect—Geo. Rice, 1485 Hopkins St., Berkeley. \$3500

DWELLING
 (315) S PAXTON ST. 200 W 35th Ave., Oakland; one-story 8-room 2-family dwelling.
 Owner—Leo Barone, 3453 Paxton St., Oakland.
 Architect—None.
 Contractor—Karl Engman, 439 49th St., Oakland. \$5000

BOILER ROOM
 (316) 5355 BIRCH COURT, Oakland; boiler room.
 Owner—H. Freidman, 5355 Birch Ct., Oakland.
 Architect—None.
 Contractor—W. S. Leland Co., 4124 Broadway, Oakland. \$1000

DWELLING
 (317) 823 MANDANA BLVD., Oakland; two-story 7-room dwelling.
 Owner—E. Johnson, 223 Greenbank Ave., Piedmont.
 Architect—None.
 Contractor—L. Johnson, 223 Greenbank Ave., Piedmont. \$6000

ODDITION
 (318) 6318 E 14th St., Oakland; addition to garage.
 Owner and Builder—K. MacDonald, 17 Glenwood Ave., Oakland.
 Architect—None. \$1000

DWELLING
 (319) E VICTOR AVE. 200 S 35th Ave., Oakland; one-story 5-room dwelling.
 Owner—Fred Peterman.
 Architect—Roy Keefer, Franklin Bldg. Oakland.
 Contractor—Irwin H. Reimers, 745 Valavista Ave., Oakland. \$4000

SCHOOL
 (320) SE 17th ST. 145 E 62nd Ave., Oakland; two-story 8-room school building.
 Owner—Archbishop of San Francisco.
 Architect—Masten and Hurd, 1006 Shreve Bldg., San Francisco.
 Contractor—J. P. Brennan, 2820 Regent St., Berkeley. \$27,400

DWELLING
 (321) 454 DOWLING, San Leandro; 6-room frame and stucco dwelling.
 Owner and Builder—B. C. Taylor, 2720 22nd Ave., Oakland. \$3,000
 Architect—None.

GARAGE
 (322) 955 E 14th ST., San Leandro; one-story brick garage.
 Owner—A. E. Felton, 1525 E 14th St., San Leandro.
 Architect—None.
 Contractor—L. R. Martin, 219 Aurora Ave., San Leandro. \$4450

DWELLING
 (323) 890 COLLIER DRIVE, San Leandro; six-room frame and stucco dwelling.
 Owner—O. A. Valla, San Leandro.
 Architect—Gordon Pierce.
 Contractor—M. H. Loblaw, Box C-5, Hayward. \$4500

ADDITION
 (324) 693 ESTUDILLO AVE., San Leandro; addition to dwelling.
 Owner—J. N. Franks, 693 Estudillo.
 Architect—None.
 Contractor—L. L. Leard, 525 Estudillo, San Leandro. \$1500

DWELLING
 (325) 511 MAUD, San Leandro; five-room frame dwelling and garage.
 Owner—J. J. Silva, 507 Maud Ave., San Leandro.
 Architect—None.

Contractor—A. H. Monez, 4350 Grandview Drive, Oakland. \$3500

DWELLING
 (326) 761 LEE ST., San Leandro; six-room frame and stucco dwelling.
 Owner and Builder—P. B. Weaver, 4683 San Sebastian, Oakland.
 Architect—None. \$4950

DWELLING
 (327) 838 COLLIER DRIVE, San Leandro; six-room frame and stucco dwelling.
 Owner—R. D. Jones.
 Architect—None.
 Contractor—Nylander Bros., 1610 Excelsior Ave., Oakland. \$5000

DWELLING
 (328) 921 ARBOR DRIVE, San Leandro; six-room frame and stucco dwelling.
 Owner—J. M. Becker, 2500 12th Ave., Oakland.
 Architect—None.
 Contractor—J. Franklin, 1006 E 14th St., Oakland. \$4950

DWELLING
 (329) 811 LEE AVE., San Leandro; six-room frame and stucco dwelling.
 Owner and Builder—Derry Bros., 626 E 14th St., San Leandro.
 Architect—None. \$5000

FACTORY & OFFICE
 (330) PREDA, San Leandro; factory and office building.
 Owner—J. Supriano, Pacific Ave., San Leandro.
 Architect—Robert A. Hutchinson, 337 13th St., Oakland.
 Contractor—L. R. Martin, 219 Aurora Ave., San Leandro. \$14,000

RESIDENCE
 (331) NO. 828 SPRUCE ST., Berkeley. Two-story 7-room 1-family frame residence.
 Owner—O. E. Cushman, 582 Santa Clara Ave., Berkeley.
 Architect—W. H. Hooper, 732 Cragmont Ave., Berkeley. \$7500

RESIDENCE
 (332) NO. 198 BRET HART ST., Berkeley. One-story 6-room 1-family frame residence.
 Owner—Mr. Tellefsen, 737 Alcatraz Ave., Oakland.
 Architect—Metropolitan Building Co., 1825 San Pablo Ave., Oakland. \$3300

APARTMENTS
 (333) 2240-2 HOPKINS ST., Oakland; three-story 48-room apartments.
 Owner—A. A. Kaiser, 2240 Hopkins St., Oakland.
 Architect—None.
 Contractor—A. H. Nunemacher, 2417 Cabrillo St., San Francisco. \$44,000

CREAMERY
 (337) NW COR 14th & Poplar Sts., Oakland; 2-story concrete creamery.
 Owner—American Creamery Co.
 Architect—R. O. Henszey, Oconomowoc, Oklahoma. \$56,800

DWELLING
 (338) 7516 HILLSIDE ST., Oakland; one-story 5-room dwelling and garage.
 Owner and Builder—Jas. Barnett, Jr., 1607 52nd Ave., Oakland.
 Architect—None. \$3100

ALTERATIONS
 (339) 2761 E EIGHTH ST., Oakland; alterations and additions.
 Owner—Joe Cambra, 2761 E 8th St., Oakland.
 Architect—None.
 Contractor—M. P. Brillhante, 3457 High St., Oakland. \$2144

DWELLING
(340) E BELVEDERE 40 N Ygnacio, Oakland; one-story 3-room dwelling.
Owner—Mrs. M. Dowling, 5286 Belvedere, Oakland.
Architect—None.
Contractor—M. M. Dowling, 5286 Belvedere, Oakland. \$2000

DWELLING
(341) W VICKSBURG ST. 80 South Bond, Oakland; one-story 5-room dwelling.
Owner and Builder—H. M. and C. M. Hart, 1645 51st Ave., Oakland.
Architect—None. \$2800

DWELLING
(342) N MINNA AVE. 150 W Leise, Oakland; one-story 6-room 2-family dwelling.
Owner and Builder—M. R. Ingraca, 3149 Minna Ave., Oakland.
Architect—None. \$3000

STORES & DWELLING
(343) 2349-53 82nd AVE. Oakland; 1-story stores and dwelling.
Owner—Mr. McCarrich.
Architect—None.
Contractor—H. F. Allen, 1700 104th Ave., Oakland. \$6000

RESIDENCE
(334) 2420 BROWNING ST., Berkeley; 1-story 4-room 1-family frame residence.
Owner—John Costa, 1631 5th St., Berkeley.
Architect—None.
Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland. \$3200

DWELLING
(335) 1123 LAFAYETTE ST., Alameda; one-story 5-room frame and stucco dwelling.
Owner—Chas. M. Graber, 2715 Santa Clara Ave., Alameda.
Plans by Owner.
Contractor—Leslie & Alpey, 1621 Echnal Ave., Alameda. \$5000

DWELLING
(336) 2233 BRIGGS AVE., Alameda; one-story 6-room frame and stucco dwelling.
Owner and Builder—N. F. Justice, 973 Pearl St., Alameda.
Plans by Owner. \$4000

RESIDENCE
(344) LOT 9, Blossom Way, San Leandro; frame and stucco residence.
Owner and Builder—Hanson & Mumford, 2332 E 14th St., San Leandro.
Architect—Mr. Dixon. \$5,000

(345) 426 FORTUNA AVE., San Leandro; frame and stucco residence.
Owner and Builder—J. B. Fay, 426 Diehl Ave., San Leandro.
Architect—None. \$4000

RESIDENCE
(346) 453 FORTUNA AVE., San Leandro; frame and stucco residence.
Owner and Builder—J. B. Fay, 426 Diehl Ave., San Leandro.
Architect—None. \$4000

RESIDENCE
(347) LOT 20, Blossom Way, San Leandro; frame and stucco residence.
Owner and Builder—Hanson & Mumford, 2332 E 14th St., San Leandro.
Architect—Mr. Dixon. \$5,000

RESIDENCE
(348) 796 CARRY DRIVE, San Leandro; frame and stucco residence.
Owner and Builder—W. A. McLeod, 563 Spruce St., Oakland.
Architect—None. \$1500

OFFICE & LUNCH ROOM
349 FOOT OF SIXTH AVE., Oakland; one-story office and 1-story lunchroom.

Owner and Builder—B. H. Body, 19th and Livingston, Oakland.
Architect—None. \$5,000

DWELLING
(350) W WATERHOUSE ROAD 100 N Hanley Road, Oakland; one-story 5-room dwelling.
Owner and Builder—John Fleming, 4261 Suter St., Oakland.
Architect—None. \$3750

DWELLING
(351) 935 HILLCROFT CIRCLE, Oakland; two-story 7-room dwelling.
Owner and Builder—C. R. Squires, 2302 Fruitvale Ave., Oakland.
Architect—None. \$7000

ALTERATIONS
(352) 221 WAYNE AVE., Oakland; alterations.
Owner—Dr. F. M. Sylvester 221 Wayne Ave., Oakland.
Architect—None.
Contractor—J. Coward, 1930 E 27th St., Oakland. \$1300

ALTERATIONS
(353) NO. 1299 SOLANO AVE., Berkeley; Alterations.
Owner—American Trust Co., 464 California St., San Francisco.
Architect—None.
Contractor—A. H. Herrmann, 464 California St., San Francisco. \$5000

RESIDENCE
(354) NO. 999 SPRUCE ST., Berkeley. One-story 5-room 1-family frame residence.
Owner—L. C. Tyrell, Berkeley.
Architect—J. F. Attermatt, Berkeley. \$4000

DWELLING
(355) E 35th AVE 45 S Porter St., Oakland; one-story 5-room dwelling.
Owner and Builder—Vincent J. Legris, 2329 E 26th St., Oakland.
Architect—None. \$3000

DWELLING
(356) SW COR NEY and 75th Ave., Oakland; one-story 6-room dwelling.
Owner—Jennie Matheyer.
Architect—G. H. Vore.
Contractor—L. B. Matheyer Co., 3173 Birdsall Ave., Oakland. \$4000

DWELLING
(357) 4254 MONTEREY BLVD., Oakland; one-story 6-room dwelling.
Owner and Builder—W. H. Warren, 3502 Pothill Blvd., Oakland.
Architect—None. \$4000

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
52	Weaver	Wieben	24233

RESIDENCE
(52) N LINE LA SALLE AVE. 160 ft. W Sea View Ave., Piedmont; 2-story frame residence, garage, garden walls, stone walls, etc.
Owners—A. S. and Elma S. Weaver, 2274 Washington, Oakland.
Architect—Miller and Warneck, Financial Center Bldg., Oakland.
Contractor—Alex C. Wieben, 870 Longridge Road, Oakland.
Filed Mar. 25, '30. Dated Mar. 24, '30.

When frame completed and rafters on	\$5,000
Brown coated	5,000
Interior trim installed ready for painting	5,000
Completed	5,000
Usual 35 days	4,233
TOTAL COST,	\$24,233
Limit, 5 calendar months. Plans & Spec. filed.	

COMPLETION NOTICES

Alameda County

Recorded	Accepted
March 19, 1930—STATE HIGHWAY bet Hayward and Niles, Alameda County. Filed by State of California (ppty of Emily L Chittenden) to Frank Perez.	March 15, 1930
March 19, 1930—STATE HIGHWAY bet Hayward and Dublin. Joseph Huber (filed by State of California) to Herbert D Baker.	March 15, 1930
March 19, 1930—STATE HIGHWAY bet Hayward and Niles. Emily L Chittenden (filed by State of California) to Robert P Garcia.	March 15, 1930
March 19, 1930—STATE HIGHWAY bet Hayward and Dublin. Fred Puls (filed by State of California) to Herbert D Baker.	March 15, 1930
March 19, 1930—STATE HIGHWAY bet Hayward and Dublin. Fred Puls (filed by State of California) to Herbert D Baker.	March 15, 1930
March 19, 1930—633 ALMA AVE. Oakland. H Hofvendahl to whom it may concern.	March 15, 1930
March 21, 1930—2208 CARROLL ST. Oakland. Hans Miebach to whom it may concern.	March 20, 1930
March 20, 1930—2536 95th AVE. Oakland. C O Russell to whom it may concern.	March 20, 1930
March 20, 1930—E SIDE OF 101st Ave 188 ft S Walnut St, Oakland. James D Johnstone to whom it may concern.	March 20, 1930
March 19, 1930—86 ROCK LANE, Berkeley. Mac Jordan to whom it may concern.	March 12, 1930
March 19, 1930—6447 CHABOT RD, Oakland. C Breschi to J Cisero and A H Mally.	March 15, 1930
March 22, 1930—LOT 21, Chabot Manor, Oakland. Mary L Rose to W A Netherly.	March 20, 1930
March 22, 1930—715 CARMEL, Berkeley. Russell H Felt to Self.	March 22, 1930
March 22, 1930—925 SHATTUCK AVE Berkeley. Frank H Felt to Self.	March 20, 1930
March 22, 1930—LOT 70, Buena Vista Homestead, Oakland. Chris C Riewerts and Antone Pessagno to Thomas C Jacques.	March 14, 1930
March 22, 1930—W SIDE TULLY Place 39 ft W Hillmont Ave, Oakland. Wm Arthur to whom it may concern.	March 21, 1930
March 25, 1930—LOT 16 BLK E, Montclair Acres, Oakland. Chas W Konigsberg to Herbert K Henderson.	March 2, 1930
March 24, 1930—100-FTN LOTS 166 and 167, Broadmoor Park, San Leandro. D N Fraser to whom it may concern.	March 21, 1930
March 24 1930—3356 64th AVE, Oakland. Fred T Dooley to Self.	March 22, 1930
March 24, 1930—47th AVE & Bond St, Oakland. Melrose Baptist Church to C H Lawrence.	March 15, 1930
March 24, 1930—SE LINE FAIR-MOUNT AVE 100-18 ft N Pearl St, Oakland. Ernest Flores to Self.	March 19, 1930

LIENS FILED

Alameda County

Recorded	Amount
March 21, 1930—W LINE DOMING AVE Lot 2 ptn Ball & White Tract E line Telegraph Ave. Oakland. M Friedman & Co., 13734 Liberty Ornamental Iron & Wire Co., \$287.50; W Howard, \$1,080; Associated Hdq Co., \$36.22; Walter S Lenland Co., \$1600.80; Maxwell Hardware Co., \$47; D N & E	

Walter & Co, \$151.65; Pacific Coast Aggregates, Inc., \$69.23; Michel & Heifer, \$47; Cook-Ray Marble Co, \$307.50; Rochester El Co, \$1007.55; California Culvert Co, \$20.03; Disappearing Shade Co, \$200; J A Radio, \$1276.50; J A Peterson, \$60.79; Broadway Mirror & Glass Co, \$87.90; Halpren Sheet Metal Co, \$122; M Mining Tile Co, \$87.50; H E Sawyer, \$312.50; vs R Perrott.....

March 21, 1930—W LINE DOMINGO Ave ptn Lot 2 map of ptn Ball & White Tract, Berkeley, Sunset Hardware Co vs R Perrott.....\$584.30

March 21, 1930—S LINE NINTH St 100 ft E of Fallon, Oakland, E K Wood Lumber Co vs Japanese American Society, S M Tieglad.....\$2043.19

March 21, 1930—LOT 70 Buena Vista Addn. Haebrens Sheet Metal Works vs C C Riewerts, T Jacques.....\$468.50

March 20, 1930—N SIDE of GOLF Link Road 120 ft E of 82nd Ave, Oakland, Henry T Williams vs John B and Jane Doe Paulo, Mrs M Marion, Mary Roe.....\$200

March 19, 1930—LOT 70, Buena Vista Addn, Oakland, Superior Tile & Products Co vs C C Riewerts, Thos Jacques.....\$910

March 19, 1930—PTN LOT 7 BLK C Revised Map, Oak Tree Farm, Oakland, Tilden Mill & Lumber Co vs Mary Cambra, H E NacFarland.....\$229.64

March 19, 1930—PTN LOTS 1 and 2 Domingo Tract, line E of Telegraph Ave, Oakland, Tilden Lbr & Mill Co vs R Berrott.....\$3211.04

March 25, 1930—(W LINE DOMINGO Ave) Ptn Lots 1 and 2 Ball & White Tracts lying E Telegraph Avenue, Berkeley, Lee J Immel, \$283.42; Bay City Asbestos Co, \$60, vs R Perrott.....

March 24, 1930—1500-1504 WALNUT St, Alameda, J R Alden vs Anna C Cook.....\$320

March 24, 1930—N SIDE of GOLF Links Road 120 ft E of 82nd Ave, Oakland, Manuel Dias vs John B and Margaret Paulo.....\$492

March 24, 1930—N SIDE of GOLF Links Road 120 ft E of 82nd Ave, Oakland, Melrose Bldg Materials Co vs John B and Margaret Paulo Manuel Dias.....\$283.37

March 24, 1930—LOT 70, Buena Vista Homestead, Oakland, D W Howard & Sons vs Chris C and Daisy Riewerts, Anton Pessagno, Thomas G Jacques.....\$460

March 22, 1930—W SIDE DOMINGO Ave 140.25 ft S of Ashby Ave, ptn lots 1 and 2, Ball & White Tract, Berkeley, Spencer Elevator Co vs R Perrott.....\$1375

March 22, 1930—LOT 5 BLK A, \$160 Garret Mill & Lumber Co, \$1081.63 vs John B Paulo.....

March 22, 1930—SE COR HOBART and Grove Sts, Oakland, J A Turgeon vs Chas M and Virginia G Peck, Dr Furchner.....\$193.38

PARTIAL RELEASE
March 20, 1930—LOT 19 BLK 1, Dwight Way Terrace, Berkeley, F W Foss to C A Davis.....\$294.66

BUILDING CONTRACTS

SANTA CLARA COUNTY

SCHOOL
N McKEE ROAD, BET. 31st and 33rd Sts., County of Santa Clara. General contract for one-story concrete school.
Owner—San Jose School District.
Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Contractor—The Minton Co, Inc., Mt. View.

Filed Mar. 19, '30. Dated Mar. 12, '30.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, \$55,167

Bonds (2) \$13,792 and \$27,584. Surety, Standard Accident Insurance Co. of Detroit, Michigan. Limit, on or before August 15, 1930. Forfeit, none. Plans and specifications filed.

PLUMBING ON ABOVE.
Contractor—William F. Serpa, 497 N. Thirteenth St., San Jose.

Filed Mar. 19, '30. Dated Mar. 12, '30.
Payments same as above.
TOTAL COST, \$4500

Bonds (2) \$2250 and \$1125. Surety, Union Indemnity Co. of New Orleans. Limit, on or before August 15, 1930. Forfeit, none. Plans and specifications filed.

ELECTRIC WIRING ON ABOVE.
Contractor—Roy M. Butcher, 1020 Sherwood St., San Jose.

Filed Mar. 19, '30. Dated Mar. 12, '30.
Payments same as above.
TOTAL COST, \$3630

Bonds (2) \$908 and \$1815. Surety, The Fidelity & Casualty Co. of New York. Limit, on or before August 15, 1930. Forfeit, none. Plans and specifications filed.

STEAM PIPING, RADIATORS, boiler and oil burning equipment on above.
Contractor—Anthony J. Peters & Son 455 E. Washington St., San Jose.

Filed Mar. 19, '30. Dated Mar. 12, '30.
Payments same as above.
TOTAL COST, \$7114

Bonds (2) \$3557 and \$1778. Surety, The Fidelity & Casualty Co. of New York. Limit, on or before August 15, 1930. Forfeit, none. Plans and specifications filed.

COTTAGE
E SAN FRANCISCO HIGHWAY about 1/2 mile N of Sunnyvale. All work for one-story frame cottage and garage.
Owner—P. and N. Borello, San Jose.
Architect—Chas. S. McKenzie, Twolby Bldg., San Jose.

Contractor—John Gaiotto, 233 W. St. James St., San Jose.
Filed Mar. 17, '30. Dated Mar. 12, '30.
Frame of cottage erected.....\$1512.50
1st coat plaster on.....1512.50
Cottage completed.....1512.50

Usual 35 days.....1512.50
TOTAL COST, \$6050.00
Bond, \$3100. Sureties, Fred Musso and Lui Meloni. Limit, 90 days from March 17, 1930. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

REDWOOD CITY

ADD to dwelling and garage, \$2000; No. 1241 Roosevelt Ave., Redwood City; owner, L. Meyer; contractor, Miles Rice.

DWELLING, frame, 6-room, bath and garage, \$3000; No. 1235 Lexington Ave., Redwood City; owner and contractor, H. W. Hougham.

STATION, super-service, masonry and steel, \$7500; No. 2665 Broadway, Redwood City; owner, Union Oil Co. of Calif., Premises; contractor, J. W. Bennett.

DWELLING, frame, 5-room, bath and garage, \$3000; No. 911 Vera Ave., Redwood City; owner and contractor, L. A. Booker.

DWELLING, frame, 5-room, bath and garage, \$3000; No. 425 Hudson St., Redwood City; owner and contractor, G. and S. Moncrieff.

DWELLING, frame, 7-room, bath and garage, \$5000; No. 937 Arlington Road, Redwood City; owner and contractor, C. F. Magne.

DWELLING, frame, 4-room, bath and garage, \$3000; No. 944 Iris St., Redwood City; owner and contractor, E. J. Carr.

STATION, service, steel, \$2000; No. 1601 El Camino Real, Redwood City; owner and contractor, B. P. Arata.

DWELLING, frame, 5-room, bath and garage, \$4000; No. 903 Vera Ave., Redwood City; owner and contractor, L. A. Booker.

DWELLING, frame, 5-room, bath and garage, \$2800; owner and contractor, Henry Lehman.

BUILDING PERMITS

PALO ALTO

DWELLING, frame and stucco, \$3000; No. 690 Cornell St., Palo Alto; owner, C. B. Van Epps.

RESIDENCE, frame and stucco, \$9000 No. 2310 Waverly St., Palo Alto; owner, Andrew and Mary Aro. Premises; contractor, A. Aro, 1145 Webster St., Palo Alto.

RESIDENCE, frame and stucco, \$7500 No. 1830 Fulton St., Palo Alto; owner, Robert Neil, 643 Webster St., Palo Alto.

RESIDENCE, frame and stucco, \$3500 No. 1410 Parkinson Ave., Palo Alto; owner, Frederick F. Balliet.

RESIDENCE, frame and stucco, \$3500 No. 1402 Parkinson Ave., Palo Alto; owner, Frederick F. Balliet.

RESIDENCE, frame and stucco, \$4,000; 261 Stanford Ave.; owners, W. G. Bell and H. L. Page, 1848 Emerson, Palo Alto.

DWELLING, frame and stucco, \$3,-

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
March 24, 1930—LOTS 52 and 53 Elk 14, Chevrolet Park, Oakland, J H Schmidt and W E Reed to J and Virginia Hocker.....\$193
March 21, 1930—LOT 7 BLK J, Es-tudillo Estates, San Leandro, Robt Appleby to Otto W and Martha W Johnson, C F Lodge.....\$182
March 22, 1930—418 EVELYN AVE, Alhany, Ben Jepsen to Robt Payne.....36

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

750; 1325 College Ave.; owner, Forrester & Warren, 1327 Hopkins, Palo Alto.

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame duplex, \$4,000; Mt. Hamilton View Drive, road 31st; owner and builder, H. M. Traxler, 583 Elm St., San Jose.

RESIDENCE, 4-room frame, \$2,750; Mt. Hamilton View Drive nr. 31st; owner and builder, E. Horton, 453 N 10th, San Jose.

RESIDENCE, five-room frame, \$3,000; Mt. Hamilton View Drive nr. 31st; owner and builder, J. P. Henry, 195 N 31st, San Jose.

RESIDENCE, 5-room frame, \$3,650; McDaniel near Park; owner and builder, Wm. O'Neil, 1500 McDaniel, San Jose.

RESIDENCE, 4-room frame, \$3,950; San Fernandez and 34th; owner and builder, Heintz & White, 924 S 8th, San Jose.

RESIDENCE, 5-room frame, \$3,500; Hedding near Myrtle; owner, M. Harton, general delivery, San Jose.

RESIDENCE, 5-room, frame; Harless near Edwards; owner, F. Colmer, 2155 The Alameda, San Jose; contractor, V. Caminetti, 975 Vine St., San Jose.

RESIDENCE, 7-room frame, \$5,000; Fourth near San Salvador; owner, Hannah Phillips, 1105 Yosemite; contractor, M. W. Reese, 1210 Minnesota.

BLDG., business, 1-story concrete, \$10,000, Race near The Alameda; owner L. C. Rossi, 965 Willow Glen Way; architect, Wolfe & Higgins, 19 N 2nd St., San Jose; contractor, L. C. Rossi, 965 Willow Glen Way, San Jose.

STORE & apartment house, concrete and frame, \$16,340; 1st and Oak Sts.; owner, A. Sasso, 140 Martha, San Jose; architect, Chas. McKenzie, Twoby Bldg., San Jose; contractor, Jos. Santi, 1291 Mastic, San Francisco.

RESIDENCE, 5-room, frame, \$7,500; 9th near Julian; owner, G. Ariente 41 S Autumn, San Jose; contractor, G. Leone, 497 N 17th St., San Jose.

SUPER-SERVICE station, class C, \$8,000; 1st and William Sts.; owner, Standard Oil Co., St. Claire Bldg., San Jose; plans by company engineers.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
March 21, 1930—LOT 15, Hermosa tract, Hester R. MacLean to Louis M. Pollard.....March 18, 1930

March 21, 1930—LOTS 12 and 13 Blk 26, Salada Beach, 2 H L Vonda to whom it may concern.....March 17, 1930

March 22, 1930—LOT 24 BLK 25, Milbrae Highland, Edward M. Stanton et al to whom it may concern.....March 21, 1930

March 22, 1930—LOT 20 BLK 45, Lyon & Hoag Sub, Burlingame, R Hollnagle to whom it may concern.....March 22, 1930

March 18, 1930—LOT 28 BLK 1, Amended map of Oaks, George Monchiff et al to Self.....March 18, 1930

March 18, 1930—LOT 37, Homestead House No 1217, Harry Shapiro to whom it may concern.....March 17, 1930

March 19, 1930—LOT 8 BLK C, Hayward Park, Henry W Taylor to whom it may concern.....March 19, 1930

March 19, 1930—LOT 43 BLK 58, Easton, Nell R Donovan to whom it may concern.....March 17, 1930

March 19, 1930—LOT 17 BLK 4,

Burlingame Shore Land Co. Ingvarnd Sorensen to whom it may concern.....March 18, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
March 19, 1930—REDWOOD CITY, H J De Vries vs T C Hughes.....\$614.67

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
March 21, 1930—LOT 22 BLK 4, East San Mateo, V Cocconi et al to George Fisher.....

March 21, 1930—PART BLK K and Lot 45, Hillsborough Park, Wisconsin Lumber Co to whom it may concern.....\$982.29

March 19, 1930—LOCATION OMITTED, Ed Beatty et al, Acme Bldg & Supply Co, M E Ryan et al, San Carlos Feed & Fuel Co, San Carlos Lumber Co, J R Sutton, alias, Peerless Pibg & Supply Co, Geo F Wayer to George G Nelson.....

March 22, 1930—LOCATION OMITTED, Andrew F Costa to W C Alry, et al.....

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
March 13, 1930—E ½ LOT 5 and W ptn Lot 6, Edgemont, W J Abbott et al to whom it may concern.....Feb. 10, 1930

March 14, 1930—LOT 8, Flickinger's Subd, San Jose, Nicholas Maher to whom it may concern.....

Mar. 14, 1930—LOS GATOS UNION High School District, Los Gatos, Los Gatos Union High School to whom it may concern (shop building).....March 12, 1930

March 15, 1930—LOT 15 BLK 13, Interurban Park Tract, San Jose, L R Benson et al to whom it may concern.....March 10, 1930

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCE
LOT 5 BLK 1, Oxford Manor, Stockton; all work on two-story frame and stucco residence (9 rooms and 3 baths).
Owner—State Realty Co., Stockton.
Architect—J. U. Cloudsley, Exchange Bldg., Stockton.
Contractor—Wm. Peenstra, 2261 Peenstra Way, Stockton.
Filed Mar. 20, '30, Dated Mar. 19, '30.
TOTAL COST, \$11,652.15
Lim't. 100 working days.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
March 20, 1930—LOT 11 BLK 75 E of Center St. SW Miner Ave and Stanislaus St., Stockton, L R Moore to J A Allen.....March 18, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
March 20, 1930—LOTS 8 & 9 BLK 7, Fair Oaks Tract, Eastern Addition to City of Stockton, Diamond Match Co vs J A and Lucrecia Roma.....\$564.35

March 25, 1930—PARCEL OF LAND purchased from L L Bradbury, located Wilson Way bet Lafayette and Sonora Sts., California Water Service Co to General Paint Co.....March 22, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
March 25, 1930—S TEN ACRES of SW ¼ of NE¼ and N 30 acres of NW¼ of SE¼ Sec 20 T 2 SR 7E, Hayward Lumber and Investment Co vs D. J. Schmidt.....\$124.98

BUILDING CONTRACTS

MONTEREY COUNTY

DETENTION HOME
ON COUNTY HOSPITAL GROUNDS about two miles northeasterly of City of Salinas. All work for one-story concrete detention home Owner—Monterey County.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—M. J. Murphy, Inc., Monte Verde and Ninth Sts., Carmel.
Filed Mar. 22, '30, Dated Mar. 21, '30.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, \$31,593
Bond, none. Limit, 150 working days.
Forfeit, none. Plans and specifications filed.

HOTEL

CASTROVILLE. All work for two-story hotel.
Owner—Mrs. L. Franco, Hotel Main, Castroville.
Architect—W. H. Weeks, 111 Sutter St., San Francisco.
Contractor—Carl N. Swenson, 47 N. Santa Clara St., San Jose.
Filed Mar. 25, '30, Dated Mar. 24, '30.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, \$19,911
Bond, \$9955. Surety, Pacific Indemnity Co. Limit, 72 working days. Forfeit none. Plans and specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
March 21, 1930—LOT 11 BLK 4, Maple Park, Monterey, Charles Holm to whom it may concern.....March 10, 1930

March 22, 1930—PTN LOT 8-A in the Stable Block in First Addition to Pacific Grove, W H and Merina S Varlen to C J Raymond.....March 20, 1930

March 24, 1930—LOT 6 BLK 17, Map of Oak Grove Addition to Monterey, Fred B & Mary A Twigg to W F Sechrest.....March 21, 1930

March 15, 1930—LOT 16 BLK 15, E. A. Spring's Addition, City of Salinas, Chas A and Tillie A Holm to whom it may concern.....March 1930

March 17, 1930—S ½ OF LOT 7 BLK 1, Map of Monterey Heights, Monterey, Avery Cunningham to whom it may concern.....March 12, '30

March 19, 1930—PART LOT 13 BLK 4, Geil, Lang & Kessel's Addition to Salinas City, William J Gipe to whom it may concern.....March 18, 1930

March 20, 1930—S 40 FT. LOT 8 BLK 1, Map of Spring & Abbott's Addition to Salinas City, Grover G Hunt and Clarence J Fregulia to whom it may concern.....March 17, 1930

March 20, 1930—N 30 FT. LOT 10 and S 10 ft. Lot 9 Blk 1, Map of Springs & Abbott's Addition to Salinas City, Grover G Hunt and

Clarence J Fregulia to whom it may concern.....March 17, 1930
March 20, 1930—LOT H and a strip of N side Lot L 1/2 width of a brick wall in Blk 2, Map of Salinas City. Jacob Cohen to A J Yates.....March 20, 1930
March 21, 1930—N 40 FT. LOT 11 Map of Fodrick's Subdivision of Blk 118, Monterey. Tony F Rey to Albert Gatti.....March 20, 1930

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
March 17, 1930—LOT 2 BLK 217, Monterey Peninsula Country Club No. 2, Monterey. Patrick, The Plumber (George D and Victor H Patrick) to Wade O Halstead and William C Bogen.....	\$135
March 18, 1930—LOT 1 BLK A, Block Book of City of Monterey. Tynan Lumber Co to Orazio and Rosie Crivello.....	\$2674

BUILDING PERMITS

STOCKTON

RESIDENCE and garage, \$12,000; No. 966 Oxford Way, Stockton; owner, State Realty Co., Bank of Italy Bldg., Stockton; contractor, William Peenstra, 2261 Kensington Way, Stockton.
ADD to dwelling, \$1900; No. 61 East Ellis St., Stockton; owner, A. Morotti, Premises; contractor, I. E. Toothacre, 1861 S-California St., Stockton.
APARTMENT house, 2-story, \$20,000; 52 W Park St.; owner, Arthur Hollenbeck, 325 E Acacia Street, Stockton.
RESIDENCE and garage, \$3300; 1854 Ramona Ave.; owner, George B. Schneider; contractor, H. Bronton.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
March 21, 1930—LOT 3 E 1/2 LOT 2 Blk 2 Yosemite Park Addition, Town of Manteca. Arbor Barth to T E Williams.....March 19, 1930	
March 21, 1930—LOTS 3 AND 4 BLK 4, Lincoln Manor Sub-division, Stockton. Gust Nordstrom and Ben Engstrand to whom it may concern (2 completion notices).....	March 18, 1930

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
March 18, 1930—MARIN. Mr and Mrs Cornelius Van Vuren to whom it may concern.....March 10, 1930	
March 19, 1930—SAN ANSELMO. Hillis J Kemp to C L Harden.....	March 18, 1930
March 20, 1930—SAN ANSELMO. W Keppe to whom it may concern.....March 20, 1930	
March 20, 1930—FAIRFAX. M Ling-gl to whom it may concern.....	March 20, 1930
March 21, 1930—SAN RAFAEL. Mr and Mrs Sidney Small to Ralph C Carr.....March 20, 1930	
March 24, 1930—SAN ANSELMO. Elmer Reed to whom it may concern.....March 22 1930	

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
March 21, 1930—LOT 280 BLK 9, Wheeler 2nd Addition to Santa	

Rosa. Elmer H Webb to whom it may concern.....March 21, 1930

RELEASE OF LIENS

SONOMA COUNTY

Recorded	Amount
March 18, 1930—PART OF NE 1/4 OF Sec. 11 T 8 R 9, 6.02 Acres. Headsburg Lumber Co to Wilho E Lahti.....	\$185.08
March 18, 1930—PART OF NE 1/4 of Sec 11 T 8 R 9 6.02 acres. Headsburg Lumber Co to Wilho Lahti, Doe et al.....	\$185.08

BUILDING CONTRACTS

SACRAMENTO COUNTY

STORE BLDG.
W 1/2 OF S 1/2 LOT 8, E, F, 16th and 17th Sts., Sacramento. All work for brick store building.
Owner—Mrs. Emma Hart Starr and E. B. Starr, Folsom Blvd., Sacramento.
Architect—None.
Contractor—F. H. Betz, 1017 43rd St., Sacramento.
Filed Mar. 24, '30. Dated Mar. 10, '30.
TOTAL COST, Omitted

BUILDING
N 56 1/2 FT. LOT 1, I, J, 3rd and 4th Sts., Sacramento. All work for building.
Owner—Ong Young.
Architect—None.
Contractor — Ralph Hunter, 3408 Brookway, Sacramento.
Filed Mar. 24, '30. Dated —
TOTAL COST, \$34,000

BUILDING PERMITS

SACRAMENTO

DISPLAY room, \$3650; No. 1801 16th St., Sacramento; owner, Crystal Ice Co., Premises; contractor, M. R. Peterson, 4530 Parker Ave., Sacramento.
RESIDENCE, 8-room, \$7500; No. 3110 H St., Sacramento; owner, Carl Vogt, 2414 27th St., Sacramento.
RESIDENCE, 6-room, \$4000; No. 326 Santa Ynez Way, Sacramento; owner, Wm. T. Martin, 3541 Curtis Park Drive, Sacramento.
RESIDENCE, frame, 5-room, \$3800; No. 2125 Alhambra Blvd., Sacramento; owner, C. H. and Esther Bush, Premises; contractor, H. C. Prince, 3800 33rd St., Sacramento.
RESIDENCE, 5-room, frame and stucco, \$5000; No. 855 Santa Ynez Way, Sacramento; owner, A. R. Greenman, 4041 11th Ave., Sacramento.
GENERAL repairs, \$1000; No. 1331 K St., Sacramento; owner, J. W. Campbell, Honolulu, Hawaii.
GENERAL repairs, \$2500; No. 710 K St., Sacramento; owner, L. W. Schindler, Premises.
GENERAL repairs, \$1000; No. 1612 M St., Sacramento; owner, Mrs. A. M. Henderson, 1600 M St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
March 22, 1930—LOT 223 W and K Tract 33. E A Gould to whom it may concern.....March 15, 1930	
March 19, 1930—LOTS 5 AND 51, Rio Lindn Sub. No. 2, Sacramento. William H and Laura L Purinto to whom it may concern.....March 19, 1930	
March 19, 1930—PART LOT 1 BLK L Addn 4, North Sacramento.	

Clarence E and Eleanor O Hilton to whom it may concern.....March 18, 1930
March 20, 1930—A N T E L O P E. Southern Pacific Co to whom it may concern.....March 15, 1930
March 18, 1930—LOT 22, Showler Terrace, Sacramento. Edward Lee to whom it may concern.....March 15, 1930
RESIDENCE, 5-room, \$2500; No. 1421 E St., Sacramento; owner, C. Rasmussen, Loomis, Calif.; contractor, J. C. Johnson.

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
March 17, 1930—W 1/2 LOT 8 and Lots 9 and 10, G. H. 12th and 13th Sts., Sacramento. J J O'Connor Co; Capital Sand & Gravel Co vs Buffalo Brewing Co.....	\$1731.50
March 22, 1930—LOT 57, Beyerford Heights. General Supply Co, Inc vs Mr and Mrs Thomas McMahon.....	\$416.49
March 22, 1930—LOT 7, F and G, 18th and 19th. Geo L Danner vs C A Hutchinson, J Wells and McKinley, E P Somer, L J and Lillie Fay.....	\$114.20
March 22, 1930—LOT 7, F and G, 18th and 19th. Const Materials Co vs E P Somers, Louis and Lillie Fay.....	\$378
March 22, 1930—S 1/2 LOT 1, F and G, 21st and 22nd Sts. R F Adlund vs Paul Odyke.....	\$55.50
March 22, 1930—N 60 ft S 100 ft Lot 4 T, V, 5th and 6th Sts. Crane Co vs Adolph Kaiser and Takeo Hegashino.....	\$96.44
Mar 22, 1930—LOT 2193, W & K 24 Annex. Crane Co vs F G Glebnov.....	\$87.18
March 21, 1930—LOT 7, F, G, 18th and 19th Sts., Sacramento. J Baumgart vs E P Somers.....	\$192.50
March 19, 1930—LOT 7, F, G, 18th and 19th Sts., Sacramento. M Stulsaft Co vs E P Somer.....	\$373.46
March 20, 1930—NO. 1809 G St., Sacramento. Murray & Low vs E P Somer.....	\$671.89
March 20, 1930—LOT 7, F, G, 18th and 19th Sts., Sacramento. Western Lumber Co vs E P Somer.....	\$4169.90
March 21, 1930—LOT 56, Eoverd Park, Sacramento. Frank Z Ahl vs C E and Clarence Smith.....	\$321.35
March 24, 1930—LOT 7, F, G, 18th and 19th Sts., Sacramento. Wm A Rapp & Co vs Louis G and Lillie J Fay.....	\$74.15
March 24, 1930—LOT 7, F, G, 18th and 19th Sts., Sacramento. Wm. C P Muller, \$207.50; Sacramento Wallpaper & Paint Co, \$68.65 vs E P Somer; L F and Lillie J Fay.....	
March 24, 1930—LOT 156, Boulevard Park, Sacramento. Ailing Iron Works, \$181; Sacramento Tile & Marble Co, \$319.74 vs C E Smith and Clarence H Smith.....	
March 24, 1930—LOT 7, F, G, 18th & 19th Sts., Sacramento. W T Smith vs E P Somer and L J Fay.....	\$158.18
March 24, 1930—LOT 7, F, G, 18th & 19th Sts., Sacramento. R H Febleck vs Louis and Lilly Fay and E P Somer.....	\$438.85

BUILDING CONTRACTS

FRESNO COUNTY

CHURCH
NW THESTA & BELMONT AVES., Fresno. All work for church.
Owner—Trustees of Trinity Lutheran Church, Fresno.
Architect—Chas. E. Butner, Cory Bldg., Fresno.
Contractor — W. T. Harris, 577 McKinley St., Fresno.

Filed Mar. 22, '30. Dated Mar. 10, '30.
As work progresses..... 75%
Usual 35 days..... Balance
TOTAL COST, \$5750
Bond, \$5750. Surety, Independence In-
demnity Co. Limit, 50 working days.
Forfeit, none. Plans only filed.

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$4000
P and Mono Sts., Fresno; owner,
Consumers Ice Co., Premises; con-
tractor, W. W. Williamson, 1240
Q St., Fresno.
STATION, service, \$1500; No. 161 E
St., Fresno; owner, Richard Hahn,
Sr.
DWELLING, \$2400; No. 1530 E St.,
Fresno; owner, Grace Denota.
STATION, service, \$1000; Calaveras
and F Sts., Fresno; owner and
contractor, Union Oil Co., Frem.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
March 20, 1930—LOTS 8 & 9 BLK	1, College Addn, Fresno. Walter
	E Blanchard to A R Eklund
March 22, 1930—LOTS 61 AND 62	Blk 5, Van Ness Heights, Fresno.
	Fred Gross to whom it may con-
	cern.....March 22, 1930
March 17, 1930—LOTS 27 AND 28	Blk 91, Fairmont. Rufus Sutton
	to whom it may concern.....
	March 14, 1930
March 18, 1930—LOTS 15 TO 18 BLK	20, Sierra Vista. Maude Olson to
	T W Griffith.....March 18, 1930
March 18, 1930—LOTS 19 AND 20	Blk 1, Fresno Home and School
	Terrace, Fresno. Victor C Douty
	to Chess & Peterson.....March 18, 1930

LIENS FILED

FRESNO COUNTY

Recorded	Amount
March 19, 1930—LOT 28 SW ¼ Lot	29 Blk 72, Fresno. E W Tribble
	vs Harry Rose.....\$1277.
March 19, 1930—LOT 2 BLK 48,	Fresno. M Kellner & Son Lumber
	Co vs W J Lucas.....\$25
March 17, 1930—NW ¼ OF NW ¼	Sec 25 15-20, Fresno. David Girtz
	Dei Muqrachian.....\$128
	vs Metta M Christensen and H

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be re-
ceived at the office of the State High-
way Engineer, Public Works Build-
ing, Sacramento, California, until 2
o'clock P. M. on April 16, 1930, at
which time they will be publicly
opened and read, for construction in
accordance with the specifications
thereof, to which special reference is
made, of portions of State Highway,
as follows:

Plumas County, a reinforced con-
crete girder bridge across the North
Fork of Feather River at Chester
(H-Plu-29-A), consisting of three 35-
foot spans on concrete pile bents.
Yuba County, through Wheatland
(H-Yub-3-A), about nine-tenths
(.9) mile in length, to be graded and
paved with Portland cement concrete.

Los Angeles County, between the
westerly boundary and Santa Monica
(VII-LA-60-A,B), about twenty-six
and five-tenths (26.5) miles in length,
heavy fuel oil to be furnished and ap-
plied to the shoulders.

San Diego and Imperial Counties,
between La Mesa and El Cajon (S.
D-12-B), about two and seven-tenths
(2.7) miles in length; between Flinn
Springs and Viejas Valley (S.D-12-C,
D), about eleven and three-tenths
(11.3) miles in length; between Pine
Valley Creek and Kitchen Creek (S.
D-12-D,E,F), about seven and nine-
tenths (7.9) miles in length; between
Jacumba and Myers Creek (S.D,Imp-
12-G,H,A), about thirteen and five-
tenths (13.5) miles in length; a total of
about thirty-five and four-tenths
(35.4) miles in length, heavy fuel oil
to be furnished and applied to the
shoulders.

Calaveras County, a reinforced
concrete girder bridge across Calaver-
itas Creek 3 miles south of San An-
dreas (X-Cal-65-B), consisting of one
60-foot span on concrete piers and
six 30-foot spans on concrete bents
and abutments with rubble masonry
wing walls.

Proposal forms will be issued to
only those Contractors who have
furnished verified statement of ex-
perience and financial condition in
accordance with the provisions of
Chapter 644, Statutes 1929, and whose
statements so furnished are satisfac-
tory to the Department of Public
Works. Bids will not be accepted
from a Contractor to whom a proposal
form has not been issued by the De-
partment of Public Works.

Plans may be seen and forms of pro-
posals, bonds, contract and specifica-
tions may be obtained at the said
office, and they may be seen at the
offices of the District Engineers at
Los Angeles and San Francisco, and
at the office of the District Engineer
of the district in which the work is
situated. The District Engineers' of-

fices are located at Eureka, Redding,
Sacramento, San Francisco, San Luis
Obispo, Fresno, Los Angeles, San
Bernardino and Bishop.

A representative from the district
office will be available to accompany
prospective bidders for an inspection
of the work herein contemplated and
Contractors are urged to investigate
the location, character and quantity of
work to be done, with a representative
of the Division of Highways. It is re-
quested that arrangements for joint
field inspection be made as far in ad-
vance as possible. Detailed information
concerning the proposed work
may be obtained from the district
office.

No bid will be received unless it is
made on a blank form furnished by the
State Highway Engineer. The special
attention of prospective bidders is
called to the "Proposal Requirements
and Conditions" annexed to the blank
form of proposal, for full directions
as to bidding, etc.

The Department of Public Works re-
serves the right to reject any or all
bids or to accept the bid deemed for
the best interests of the State.
DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS,

C. H. PURCELL,

State Highway Engineer.

Dated March 19, 1930.

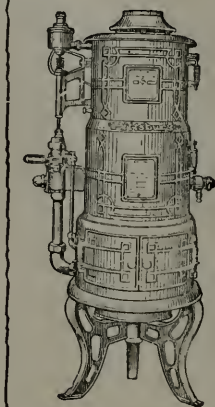
(March 24-31; April 7-14)

NATIONAL DIESEL ENGINE MEET JUNE 12 TO 14

The Third National meeting of the
Oil and Gas Power Division of The
American Society of Mechanical En-
gineers will be held at Pennsylvania
State College on June 12 to 14.

Julius Kuttner, in charge of the
technical program, announces that
there will be fifteen papers presented
in five sessions.

An exposition of Diesel engine ac-
cessories will be held as at the two
previous meetings.



A "Pittsburg" Auto-
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BUILDING *and* ENGINEERING NEWS

Subscription Office
101 Mission Street

SAN FRANCISCO, CALIF., APRIL 5, 1930

Thirtieth Year, No. 14
Published Every Saturday



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., APRIL 5, 1930

Thirtieth Year, No. 14

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue will be sent in writing to this office.

MARSHALL AND STEARNS MERGES WITH ROME CO.

Marshall and Stearns Company, originators of the wall bed, a building feature that has made possible the popular and efficient apartment building of today, on April 1 consolidated with the Rome Company, Inc., nationally known manufacturers of De Luxe bedsprings and other sleeping equipment.

The Marshall & Stearns Company will operate as a division of the Rome Company with the management continuing under the direction of H. B. Stearns, founder of the company and N. B. Douglass, creative genius of the organization.

No change is to be made in the personnel or merchandising policy of the company.

The San Francisco factory, which becomes the seventh of the Rome Co. plants in the United States, will continue manufacturing wall beds.

H. B. Stearns states that this consolidation of the resources and experience of two veteran and allied organizations will result in a wall bed of greater merit and value to the building industry. The rigid standard of construction and the patented features of Rome bedsprings will now be combined with the perfected mechanical features developed during the 35 years they have been manufacturing wall beds.

S. F. SEEKS BETTER TRADE RELATIONS IN SAN JOAQUIN VALLEY

To build better trade relations for San Francisco, more than one hundred prominent business men are expected to participate in the San Francisco Chamber of Commerce Trade Excursion into the San Joaquin Valley leaving May 4 and returning on the evening of May 8. The special train of the market building party will visit thirty-two valley cities, making over night stops at Bakersfield, Fresno and Stockton.

The primary purpose and slogan of this excursion is to impress upon the minds of the business men in the communities to be visited the fact that 'San Francisco is the Market Center of the Pacific Coast.' Chairman Heribert Eloesser of the Domestic Trade Committee, states, "Although we expect to increase the business of San Francisco as the result of the trip, it will not be an order taking expedition since no merchandise will be sold en route."

According to present plans, group meetings will be held with the business people of the cities where overnight stops will be made. Prominent speakers will tell of the San Francisco Chamber's activities planned to directly effect the welfare and progress of the San Joaquin Valley. Other speakers will discuss modern trends in merchandising, the San Francisco market, and its relation to the in-

terests of the merchants involved. Leaders of the communities to be visited will outline their projects in which the San Francisco commerce body may be helpful.

Similar talks will be made in the other communities to be called upon, augmented by personal calls upon retailers. Individual excursionists and committees plan to become better acquainted with the merchants in each community, their places of business, and to learn to their business and community problems which San Francisco may assist in solving.

"The San Joaquin Valley Trade Excursion is a co-operative undertaking," Eloesser continued, "designed to maintain present friendly business relationships with valley merchants now buying from San Francisco and to develop new business with those who are now buying elsewhere. For that reason we urge that every San Francisco business executive, desiring to increase his trade, with this growing market, to plan to accompany the party. Reservations can now be made at the Chamber of Commerce Domestic Trade Bureau."

\$3,502,312 IS SAN FRANCISCO BUILDING EXPENDITURE DURING MONTH OF MARCH

Building construction undertaken in San Francisco during the month of March, 1930, involved an expenditure of \$3,502,312, according to figures compiled by John B. Leonard, superintendent of the Bureau of Building Inspection of the Department of Public Works. During the month 584 permits were issued as compared with 610 for the corresponding period in 1929 when the valuation was estimated at \$2,701,111.

March expenditures exceed the combined valuations of January and February of this year, in January figures totaling \$1,431,983 when 610 permits were granted and in February with a total of \$1,144,062 with 495 permits granted.

The figures of the past month include a \$410,000 addition to the Southern Pacific Hospital at Baker and Fell streets and \$1,127,388 for additional buildings at the U. S. Marine Hospital in the Presidio.

The following is a segregated report of the March activities as compiled by the Bureau of Building Inspection:

Class	No. of Permits	Est. Cost
A	1	\$ 410,000
B	3	580,000
C	7	213,000
Frames	142	695,075
Alterations	429	216,849
State work	1	260,000
Govt. Bldg.	1	1,127,388
Total	584	\$3,502,312

PUBLIC SAFETY MEET SCHEDULED FOR OAKLAND

To take stock of California's traffic toll and make an earnest endeavor to stem the tide of traffic accidents, all agencies in the state concerned with the problem of making streets and highways safer will be represented in a state-wide public safety convention in Oakland, April 24 and 25. The meeting will be held under the auspices of the California Committee on Public Safety which represents all groups interested in traffic conditions, including state, county and city enforcement officials. The call for the meeting was issued by State Senator Arthur H. Breed, chairman of the California Committee on Public Safety.

Governor C. C. Young, who has officially sanctioned the work of the committee and urged all citizens to cooperate in its program, will head the list of speakers. Over five hundred delegates are expected to attend, representing official, civic and private corporation agencies engaged in the constant campaign against traffic carelessness and recklessness.

Among the speakers will be Senator Breed; Ramsey Probasco, president East Bay Safety Council; E. B. Meek, director, State Department of Public Works; Eugene Biscailuz, superintendent, California Highway Patrol; C. H. Purcell, chief engineer, California Highway Commission; A. G. Mott, chief engineer, State Railroad Commission; C. C. Cottrell, manager, Highways Bureau, California State Automobile Association, and Ralph W. Robinson, executive secretary, San Francisco Traffic Survey Committee.

The aim of the convention will be the ambitious one of reducing the unnecessarily large toll of human lives, to say nothing of the economic waste, traced to traffic accidents. The need of such a state-wide cooperative move is indicated by a study of traffic accident figures.

PASADENA AWARDED MILLWORK INSTITUTE MEETING

Selection of Pasadena as the next convention city and a banquet and entertainment program at The Californian concluded the one-day tri-annual convention of leaders of the Millwork Institute of California at Fresno March 28.

The institute urged co-operation of architects in connection with a plan to induce the use of more lumber in building work. Standard specifications for the use of millwork will be sent to architects about April 15th.

Other topics under discussion included organization plans, accredited standards for the millwork industry, the millwork dollar for 1930 and results of contacting architects. President Arthur W. Bernhauer of Fresno, presided.

STATE'S BUILDING PRACTICE TOLD BY ARCHITECTURAL CHIEF

By J. W. Dutton, General Superintendent, California State Division of Architecture, in U. S. Construction Magazine.

The evolution of a construction project is very often quite interesting. The man with the money finds himself in need of a building. He looks about for his architect and, when he finds one to his liking, he lays his desires before him, giving him all the information he can think of, how much he expects to spend, what sort of a building he wants, and the type of architecture he favors, and the type of construction he thinks is best for the use he proposes to give it. The architect then proceeds to design the building, and after various degrees of modification or elaboration he is successful in selling the owner a design which it is shown by the estimate can be built within the funds available.

This being settled upon and approved, the architect gets out complete working drawings and specifications and the job is put out for bids and finally a contract is let for its construction.

The Next Step

Then follows usually the selection of a satisfactory superintendent of construction to represent the architect and owner and the work goes merrily forward. Unless otherwise agreed upon, the responsibility of the architect continues throughout the entire progress of the work and on to its satisfactory completion.

With the State department of public works, division of architecture, the general scheme is very much the same. Instead, however, of the business being arranged by a private owner and a private architect, it is done on the one side by the State architect and his designing force and estimators, and on the other side by the executive head of the institution, under the guidance and direction of the head of the department under which the particular institution comes, such as the department of institutions, department of education, or the State board of prison directors.

In many cases, due to the similarity of requirements and the general kept on all of the construction carried on by the division of architecture, and the familiarity of all parties concerned with the latest approved plan layouts, etc., the preliminary arrangements can be decided upon without undue loss of time. However, occasionally a project comes up calling for design of a building for some exceptionally special function on which the division has no first-hand information available. Considerable research is obviously then required in order that no detail necessary to the successful and practical use of the building is omitted.

Familiarity With Job

Very naturally, when a set of finished drawings is gotten out for a job, comprising complete architectural and engineering drawings and details, including mechanical and electrical layouts and details, and the specification writer has completed his work, the office force, particularly those in charge of the various sections, is pretty thoroughly familiar with the project.

The job then goes out for bids and contract. It is then that the field force gets its first look at what has taken months, possibly, to devise. Within a few short weeks at most, the job is started and the field superintendent is expected to have acquired a pretty thorough knowledge of what is on those plans and in the specifications and be able to protect the State against errors or omissions such

as are so easily possible during the progress of a job.

Thus, attached to the field force of any construction organization, there is a degree of importance and responsibility which is not always fully realized or appreciated.

In some minor cases, where the work is regular in character, the field superintendent needs no particular assistance from the office in addition to the plans and specification in order to carry out the job as called for, but in the case of major construction, there are peculiarities of requirement and design attached to practically every project turned out that call for unusual application of known principles and methods of construction. Quite often the actual success of the detail from the builder's standpoint, calls for further study and preparation or arrangement of earlier construction by the field force. On account of the often remote locality of the work there is difficulty in obtaining a detailed explanation of the scheme from the designer and it is possible that the job superintendent does not grasp the entire import of the matter and later finds that adequate provision has not been made in earlier work to make the best installation possible.

Limit Is Needed

It is fully realized that there must be a limit to what is known and detailed in a set of drawings and called for in the specifications and a lot must be left to the intelligence and experience of the field superintendent, but it is a wonderful help to him and an invaluable guide against error if his attention is called to the exceptional by a brief note on the drawing.

It is conceded by contractors generally that there is very little to guess at on drawings gotten out by the division of architecture and it is not often that a difference of interpretation arises between the superintendent and contractor. This happy (Continued on Page Three)

situation can only be brought about and maintained by advance knowledge and conclusion as to what is called for, and proper directions given before errors are made.

Where a field superintendent is already on the ground, in connection with other work, he is supplied with drawings and specifications of the forthcoming new project as early as possible before the contractor arrives to start the work. The field superintendent is instructed to apply any spare time he may have to a detailed study of these drawings and to make notes of any and all points on which he is not fully clear so that these may be explained to him in ample time. After the contractor has laid out his lines it is the duty of the field superintendent to personally check every measurements for correctness and see that each nail or saw cut is properly indicated on the batter boards before any construction is begun. He may then see that these points are properly guarded and preserved during their entire usefulness and that they are available for future checking of work.

Before a projected building is started in the designing room, a survey of the proposed site is made and where the soil bearing values are already known, test holes are dug adjacent to and within the lines of the foundation so that approximate footing depths can be determined.

When a site is selected on entirely new and unknown ground, the bearing value of the soil is determined by load tests prior to the design of the foundation footings.

Superintendent's Duty

During the excavating of footing trenches, etc., it is the express duty and responsibility of the field superintendent to carefully observe the nature and character of the formations encountered and the depths at which the proper bearing soil is found so that any necessary changes in the footing depths can be made by the structural designer which will effect a saving by change order to the contractor.

These observations also sometimes result in extra depth excavation requirements to reach proper bearing, and in such cases the result is an extra charge by the contractor. The amount of this saving or extra, as the case may be, is determined by a fixed unit price in the contractor's bid which covers the material and labor involved. This unit price is called for in anticipation of possible variations and due to the fact that in order to obtain comparable bids the bidders must have definite depths to figure on.

These variations are measured both by the field superintendent and the contractor and agreed upon before concrete is poured. The figures are reported to the main office, where the exact deduction or addition is calculated and settlement is made with the contractor accordingly.

An Important Function

One of the most important functions of our field superintendents at the start of a project is to see that the contractor proceeds early to arrange for delivery of concrete aggregates which he believes will pass the tests provided for in our specifications. Obviously this is necessary so that the contractor does not find himself without approved material when he is ready to pour footings.

Usually only small amounts of each size of aggregate are delivered, pending result of tests, representative samples of these being selected by the field superintendent and divided into two parts, one to be forwarded to the testing laboratory and the other retained by him for comparison and subsequent deliveries in case the test proves satisfactory and the material is approved for use.

Reinforcing steel is also subjected to rigid tests and must be approved by the laboratory before it can be used. This test is sometimes made at the vendor's warehouse by a testing engineer from the State's laboratory to avoid expense of shipping and delay in case of rejection, and especially in cases where bending and fabricating is to be done at the warehouse before shipping to the job.

This method is obviously advantageous to all parties concerned and invariably results in more accurate bending than is usually obtained where the work is done on the site with the use of portable hand tools only. Contractors generally throughout the State have come to realize that this phase of the work on State construction is rigidly inspected and that narrow variation limits are imposed, and as a result, a constantly increasing better class of workmanship is being obtained.

Simplicity Invited

Steel carefully bent to detail makes for simplicity in placing and saves labor.

bor cost in the field. Most experienced contractors prefer to sublet this branch of the work "furnished and installed" and naturally a better class of workmanship is obtained due to the skill and knowledge of specialists who install the work.

Many other materials which enter into the construction of the building from foundation to roof and finally on the finish, such as stucco and paint, require tests and written approval before they are allowed to be used. When it is realized that the state is in the business of designing and constructing buildings for permanent use at the various institutions, and never for sale, it will be readily understood why these rigid tests are made and the specified requirements insisted upon.

Carefully thought out layouts for all piping and fixtures, such as plumbing, steam, and electricity, are made by our mechanical section, and these often call for special methods of installation due to the unusual requirements of individual institutions.

That which is proper practice at a hospital for insane is not altogether a proper installation in a prison, and very naturally neither of these are suitable in administration buildings or residences. From observation and study reaching back over a period of many years, it has been possible to devise installations that meet practically every requirement and the various schemes are now pretty well standardized and satisfactory.

EQUIP HOME ELECTRICALLY IN ONE INSTALLMENT SALE

Purchase of all electrical appliances for the home under one long-term contract with very low down-payment is the latest effort of the electrical industry toward complete electrification of the home, a goal toward which all units in the field are strenuously striving, says the "Business Week."

First to adopt the plan is the British Columbia Electric Co., Vancouver. Says Edmund E. Walker, sales engineer of the company: "By spreading payments over a 3-year period, we make it possible for a customer to buy four or five appliances for about the same monthly payments as the regular terms on a washing machine or a range, and this plan meets our real competitors, the piano salesman, the furniture salesman, the furrier, and others striving for the consumer's dollar." Major appliances are considered to be: refrigerator, washing machine, range, dishwasher, ironer, and water heater. Average total cost of these five items comes to about \$360.

Further applications of the single-sale principle as advanced by electrical merchandising specialists include combination of utilities and electrical dealers in one city or territory in a cooperative buying agency to purchase in volume from manufacturers. Utility and dealer-salesmen would sell complete electrification to each home as requisition the appliances from a central warehouse. National financing houses would handle the paper for each sale on a 6% basis to make possible the installment plan. Finally, the cooperative organization would install and service the appliances as part of the "one-sale" plan. All sales agencies would sell on the same terms and the same sales aids such as advertising, display, and demonstration.

Industry leaders see in the plan a way to increase volume of appliance sales from 20% to 30%, reduce the first cost of appliances appreciably, attain mass production and volume purchasing, give terms of payment that will compete with other business, and relieve householders from piecemeal purchase of appliances, troubles with wiring, installation and servicing, and large financial outlay.

SUES STATE FOR \$330,260

An amended suit for \$330,260.89 has been filed in San Francisco against the state of California by F. Rolandi, contractor, for recovery of sums he expended in 1924 during construction of a bridge over the Klamath river near Requa.

Rolandi attempted to press the suit five years ago but because of faulty briefs and petitions was unable to get action, according to court attaches.

Rolandi claims that on June 19, 1924 the state highway commission awarded him the contract for the bridge. Specifications for the structure called for wooden sheet pilings for the coffer dam, he claims, while he advised pilings of sheet steel.

The commission refused his advice, he claims, and ordered him to follow specifications or lose the contract. As a result, he says, floods, water action and other conditions caused the wooden pilings to wash out and give way so many times that the commission finally consented to the use of steel.

But, Rolandi claims, the board insisted that he use an inner piling of wood with the result that his cost mounted to nearly twice the price the contract called for.

Rolandi was paid \$313,368.23, he said, while he actually spent \$643,629.12. He now seeks to recover the balance of the bridge's cost.

DATA ON MICRO-ORGANISMS IN ROCK IS SOUGHT

As the first progress report made since his original announcement of the discovery of living micro-organisms in rock millions of years old, Dr. Charles B. Lipman, professor of plant physiology at the University of California, has just announced that he is still checking his results and hopes to have a definite announcement to make by next summer.

He says, in a note just sent to "Science": "In September, 1928, I communicated to this journal a preliminary report on the discovery of living micro-organisms in certain pre-Cambrian rocks. These investigations have been continued and have involved painstaking and laborious checking of the technique employed. While the indications are still as given in the earlier paper, a final statement with respect to them must await the completion of a little further work. A final report should be ready next summer. Meanwhile conclusive evidence has been obtained to prove the existence of living micro-organisms in anthracite coal derived from mines in Wales and in Pennsylvania. The interpretation of these results does not accord with those of Schroeder, Galle, Potter and Lieske, who also worked with anthracite coal. I hope soon to furnish a report also on these investigations."

In his original announcement concerning the discovery of life in Pliocene rocks from the Mokelumne tunnel and pre-Cambrian rocks from Canada and the Grand Canyon of the Colorado, Professor Lipman said: "While some of the organisms which appeared in the culture are doubtless derived from the free air which had momentary access to the rock in the process of the technique employed, certain organisms were found which occur in every plate culture made with the rocks examined and which are of a strikingly different type from any which are usually found in plates made with soils or rocks. These organisms make a very sparse growth or media which support excellent growths of other organisms and seems to belong to the interior of the rocks studied."

MARBLE INDUSTRY TO HOLD PRACTICE CONFERENCE

The marble industry has been authorized to hold a trade practice conference with the Federal Trade Commission at a time and place to be announced later.

The meeting has been assigned to Commissioner Edgar A. McCulloch of the Commission, for supervision.

The industry includes producers, fabricators and installers of interior marble, the applicant group representing at least 80 per cent of the capacity for producing domestic marble and considerably more than half the capacity of the country for furnishing and installing marble.

Applicants have announced their intention of discussing, among others, the following subjects, with a view to drawing up rules of business practice: Inducing breach of contract; false and misleading names; price discrimination; bids; uniform cost finding system; uniform proposal contract form; reporting system on marble used annually, and credit system.

Producers, fabricators and installers of interior marble have plants in the following states: Alabama, Arkansas, California, Colorado, Connecticut; Delaware, District of Columbia, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Tennessee, Texas, Utah, Vermont, Virginia, Washington, and Wisconsin.

DEMAND FOR DOUGLAS FIR AND AMERICAN HARDWOODS

A good demand for Douglas fir and American hardwoods is reported by Paul S. Guinn, acting Commercial Attaché at The Hague, Netherlands in a recent dispatch to the Lumber Division of The Department of Commerce.

The good demand for Douglas fir at the present time, says Mr. Guinn's report, is due to its increasing popularity as its merits become better known to the consumer and to the fact that stocks of this species are below normal. In the case of American hardwoods, the demand is normal and prices are firm.

Activities of the lumber-consuming industries in the Hague district are generally regarded as satisfactory except that the demand for shipbuilding lumber has been somewhat depressed, due probably to unreasonable arrivals of Scandinavian softwoods. This has had a generally depressing effect on the lumber market.

DEMAND FOR DOUGLAS FIR IN SCOTLAND IN 1929

The demand for Douglas fir in the Edinburgh, Scotland, district during 1929 was good, especially during the summer months, says a report from Consul Harold D. Finley to the lumber division of the Department of Commerce.

Severe weather in the early months of the year greatly reduced consumption of timber for house building, and this dullness in trade was noticeable even after the weather became favorable for building operations. As the summer advanced, however, home consumption became steady at a fairly satisfactory level.

The general outlook is regarded as more promising. Building trade prospects are said to be better than for two previous years. Mine prop orders are more plentiful, indicating an increased activity in mining. Shipbuilding orders also show an increase.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

"Spend a little more money in advertising and do a lot more hard work," is the keynote of George Eastman's advice to American business for continued progress and prosperity in 1930.

Mr. Eastman, of kodak fame, patron of the arts and well known for his philanthropic activities, points to his own phenomenal business success as concrete evidence of the value of advertising. In a recent interview he declared that he is far from convinced that American industry is facing a serious depression.

"At the outset of one of the most abnormally dull seasons during the fifty years the Eastman Kodak Company has been in business, the question of retrenchment in advertising came up for discussion. Our decision was to spend more money and exert more energy. This was our subsequent policy thereafter when bad conditions threatened," he declared.

Although Mr. Eastman is not convinced that we are even now passing thru a period of serious recession, the fact that there may be any question about conditions prompts his company to again adopt the policy of stressing selling and advertising activity.

Just as advertising has played such a vital part in the expansion of the business of the Eastman Kodak Company, so we believe it to be a most powerful force in the building of our great American industries; in the wide diffusion and maintenance of our national prosperity.

A plumber has filed a suit against his landlord for injuries alleged to have been received on a plumbing fixture in his apartment. The plaintiff is Lewis Butler Hull, Jr., Berkeley. In a complaint on file in the superior court, he alleges that on March 27, last, he took hold of a faucet in the kitchen of his apartment, the faucet handle splintered and the porcelain of which it was made punctured his right hand. On the ground that Louis Saroni, proprietor of the apartment building was negligent in permitting such a faucet to be used, Hull asks \$15,977.50 damages.

An emphatic warning is issued by J. P. Collins, state director of professional and vocational standards to California contractors that licenses issued to co-partnerships cannot be used by individual members of such firms to enter into separate contracts. Collins has received complaints that in some cases three and four members of a co-partnership use one contractor's license. Such acts are a violation of the contractor's license act, Collins says.

Reiterating its policy of refusing to lay patented paving on which a royalty must be paid, the Fresno county supervisors postponed for a year the proposed paving of five miles of Mt. Whitney Avenue when a delegation of Riverside citizens appeared demanding use of a asphaltic concrete type instead of Bit-U-Muls as recommended by Chris P. Jensen, county surveyor.

Leonard P. Reaume of Detroit, president of the National Association of Real Estate Boards, in urging the necessity for new building methods which would decrease building costs, decries the fact that the construction of moderate priced homes has never advanced from the slow, made-by-hand process. "Building materials are still being made to fit the size of a man's hand," he explained. "They are transported to the building site and assembled in the course of two or three months by the most expensive methods of hand labor that the world has ever seen. If the local garage man were to buy the parts of an automobile and attempt to assemble them in his own garage and thus supply his customers, we should have a process which compares with the home building methods of today. There is no good reason why, if the problem is studied, we cannot develop a new technique in home building. More and more portions of buildings can be fabricated in factories so that a finished dwelling could be assembled in a few days, instead of a few months. There are those who object to such an idea on the ground that we should have monotonous and standardized houses, but we have those now to a great extent. The automobile industry probably makes more extensive use of mass production methods than any other commodity, yet it is possible for the buyer to choose between some six or seven hundred models made by approximately fifty different companies. There is a wide range of choice here, and the same could be true of fabricated dwellings. Moreover, fabricated inexpensive homes need not foreclose the possibility of individually designed homes for those who can afford them." Mr. Reaume expressed the hope that all the industries concerned in the building process would some day see fit to establish a research bureau whose purpose would be to study technical ways and means for reducing the cost of home building.

An industry that is typically American, the Steel Construction Industry, will be honored during the Westinghouse Salute to be broadcast Tuesday evening, April 22, at 10 o'clock Eastern Standard Time. During this program Charles N. Flitts, of Boston, president of the American Institute of Steel Construction, will talk. Prosperity, which is one of the dominant themes of the Salute series, will be especially emphasized in this program because of the fact that steel construction has so greatly aided America's progress. Because of the comparative youth of the industry the music selected by Cesare Sodero, director of the Westinghouse orchestra and chorus, will be principally of modern style. The program will be broadcast over a coast-to-coast NBC network which includes WJZ and the Westinghouse stations DKKA, WBZ, KYW and WBZA.

An \$182,000,000 contract for the second largest steel works in the world has been given to Arthur G. McKee & Co., Cleveland, by the Soviet Government. The \$182 millions does not include at \$55,000,000 341,500-kilowatt power plant to adjoin the steel works, the contract for which has not been let.

That California, and especially the northern section of the state, is rapidly becoming one of the steel centers of the United States is strikingly shown by the fact that steel, iron and allied products valued in excess of \$1,216,596,000 have been produced here since 1927.

Fourteen California steel works and rolling mills in 1929 gave employment to more than 5000 workers whose wages amounted to \$7,678,377. The total value of products produced by these plants was in excess of \$24,527,552, according to a recent survey made by the State Chamber of Commerce. The value of products produced by the steel, iron, and allied groups has been estimated at approximately at \$405,532,000 yearly since 1927.

The growth of steel works and rolling mills in California has been exceedingly rapid and the last two years have witnessed large expansions in northern California involving millions of dollars.

In 1899 there were only three establishments in California and they employed 555 workers. Each year with the exception of 1921 has shown a large increase in the number of steel workers and new establishments.

Iron, steel and allied manufacturers as a group gave employment to nearly 75,000 workers during 1929, which represents approximately 23 per cent of the wage earners employed in 10,000 manufacturing establishments in the state, a recent survey reveals.

Wages paid by the allied industries aggregated \$92,176,000 and it is believed that figures for 1930 will place earnings close to the \$100,000,000 mark.

Value of products for the 12 months period covered were \$405,532,000. With recent expansions in California by eastern steel groups during the last two years, wage and production figures will increase by leaps and bounds San Francisco industrialists declare.

Now that the street sweepers are styling themselves as "cleaning engineers" and patent medicine vendors wish to be known as "vital engineers," the time has come for nation-wide laws to designate who are engineers and who are not, the American Association believes.

Twenty-two states are without registration laws regulating engineers. H. A. Wagner, president of the Association, said in announcing a campaign to put the engineering profession on a parity with medicine and law.

Furthermore, Wagner said, questionable schools, many of the correspondence variety, are pouring "graduates" into the field without training or background and inflicting a hardship on both the public and the engineering profession.

These "thriving educational gangsters," as they are called by Wagner, are taking a monetary toll of \$85,000,000 a year from the "uneducated and gullible." Strict regulator laws will be asked in the 22 states which now have none and standardization in the 26 states which have regulations of one kind or another.

Wagner said there were about 100 such schools in existence, operating in New York, Milwaukee, St. Louis, Los Angeles, Pittsburgh, Kansas City, Minneapolis and Washington.

Santa Barbara Lumber & Mill Co. and other industries of the same nature operating at Santa Barbara, have filed a complaint with the Railroad Commission against Stearns Wharf Company, alleging that the wharfage rate of \$1.40 per 1000 feet of lumber, charged by defendant utility, is unreasonable and discriminatory, and asking the Railroad Commission to fix a rate of \$.75 per 1000 feet for such service.

A large increase in the quantity of lumber, especially Douglas fir, exported from the Pacific Coast to France, is reported by Consul General Mason Turner, of Paris, to the lumber division of the Department of Commerce. This development, says the report, is particularly noteworthy in view of the fact that exports of lumber from the Pacific Coast to France have, until recently, been extremely small. These imports are now apparently increasing, and the lumber from the Pacific Coast is to some degree replacing some of the cheaper woods heretofore received by France from north European countries. The increase in Pacific Coast lumber exports to France appears to be due to the fact that it is lower in price and can be obtained in better lengths than that from other markets, and particularly to the increase in price of French woods.

A slight decrease in unemployment for March—the first gain to be registered since August—was shown by figures made public by the American Federation of Labor, based on trade union reports to President William Green. Ten of twenty-four cities to report showed a decrease in unemployment, ten others reported increases and in four there was no change. The greatest improvement was shown in the figures of the seafaring trades, where unemployment decreased from 33 per cent in February to 27 per cent in March. Musicians' unions reported an increase in the number of men out of work from 28 per cent in February to 31 per cent in March. Building trades employed more men; printing and metal trades employed less.

Marking the extension of the Russian lumber market to Mexico, the first shipment of lumber from Russia was received at Vera Cruz recently, according to a report from Consul Leonard G. Dawson to the Lumber Division of the Department of Commerce. This shipment—300 tons in all—consisted of 33,482 pieces of Russian pine lumber and 1,014 cases of match sticks. A large part of it was forwarded to Mexico City, although 30,000 board feet are reported to have been sold in Vera Cruz. "This Russian lumber has been very favorably commented upon at Vera Cruz," Consul Dawson's report says. "Heretofore practically all lumber imported into Vera Cruz has come from the United States. It is reasonable to believe, therefore, that Russian lumber will offer strong competition to American lumber in the future."

The building trades are going to have a great year during 1930, according to Jas. Twohy, Portland, Ore., contractor. "Construction always responds to the economic law of building when workers are idle," Twohy says. "Labor is hardly cheaper, but men are more willing to work, increasing efficiency, and materials are generally more plentiful and easier to get. It looks like a pretty lively year."

New construction projects in Oregon and the Portland trade area involve a contemplated expenditure of \$68,750,000, the Portland Chamber of Commerce announces. This is substantially larger than the building figure for last year, \$47,414,000. One of the largest items in the list is the Great Northern railway's proposed southward extension from Klamath Falls into California, on which about \$13,000,000 will be spent.

HERE — THERE — EVERYWHERE

Former State Engineer Paul Bailey has been appointed chief engineer of the Tri-Counties Conservation Association, to have charge of the design and construction of the \$50,000 dam to be built by San Bernardino, Riverside and Orange counties at the mouth of the Upper Santa Ana Canyon. The dam will be about 550 feet long, of the wing type, and is planned to divert about 25,000 miners' inches of water each season to a conduit which will carry it to the debris cone, where it will be supplied to replenish the underground supply by percolation. The project will be financed by the conservation association, which comprises the water companies of the district and the three counties. Mr. Bailey is familiar with the project as former engineer of the Orange County Flood Control District.

The Plasterers' Union and the Hod Carriers' Union of Long Beach, according to "Organized Labor," have been working for the Plaster Contractors' Association by agreement under union conditions and wage scale of \$12 and \$9 per day respectively. On March 4 the Plaster Contractors' Association issued a notice to the unions, says: "Beginning Monday, March 10, the members of this association will pay as a wage \$9 for an eight-hour day to journeymen plasterers and \$6 per eight-hour day to members of Hod Carriers' Union."

Lieut. Col. Thomas M. Robins, division engineer for the U. S. War Department, with headquarters at San Francisco, is advertising for bids on approximately \$1,000,000 worth of improvements. The Stockton channel will claim the largest part of this sum, with \$450,000 to be used in dredging and improvements. A quarter of a million dollars will be spent dredging the Oakland harbor and another quarter million constructing a breakwater at Kahului Harbor, Hawaii.

Annual meeting of stockholders of the Holmes Lime & Cement Company will be held at 1 Division St., April 8, it is announced by Wm. J. Feary, secretary of the company.

Portland Chapter of the Master Painters' and Decorators' Association is considering the advisability of sponsoring the adoption in Portland, Ore., of a license law for painters, similar to that recently adopted in Tacoma. General expressions of opinion at the meeting were favorable to a licensing ordinance as a means of eliminating the fly-by-night and otherwise irresponsible painter.

The Federal Trade Commission reports that up to March 15 approximately fifty per cent of the members of the American Institute of Steel Construction have signed the trade practice rules of the structural steel industry. A strenuous campaign is now being made to obtain the remainder of the signatures before April 30. A meeting of the Board of Directors is to be called then to consider the proper policing and enforcement of the rules.

Specifications governing lathing and roofing in the city of Ventura are now being drafted by H. A. Johnson, city building inspector, and will be submitted to council for enactment into an ordinance.

ALONG THE LINE

J. E. Bonnell, for forty-two years operating as a general contractor in the Pacific Northwest. Died in Seattle, last week. He had been ill for about a month and died as the result of an operation.

Fred J. Klaus has been officially installed as city engineer of Sacramento, succeeding Bayliss Clark, resigned. Klaus was appointed to the office by City Manager Jas. S. Dean.

Edwin Duryea, 68, widely known civil engineer, died at his home in Palo Alto March 31. He was a native of New York and a graduate of the School of Engineering of Cornell. After the San Francisco fire he was a member of the committee of 40 on rehabilitation.

Professor David Weeks, of the University of California, Berkeley, has accepted appointment to membership on the university advisory committee of the educational board of the National Association of Real Estate Boards. This group includes 24 of the country's leading authorities in the field of real estate education who will act as consultants to the National Association in questions of educational policy.

A. Gideon has been appointed consulting engineer to the Metropolitan Water District of Manila for two years, with residence in the United States. Mr. Gideon has been in service in Manila for more than 25 years, as chief engineer of water supply and sewers, city engineer and for the last ten years manager and chief engineer of the water district. He will make his headquarters at Oakland, Calif.

Lynn A. Schloss has resigned as engineer in charge of construction of the flying field for the San Francisco Bay Airbase, Inc., at Alameda. He will be succeeded by R. U. St. John of Sacramento. St. John was formerly a district engineer at Sacramento for an oil corporation. Schloss will accept a position with an Eastern engineering concern.

H. G. Thielscher, of McClellan & Junkersfeld, Inc., New York, is acting as consulting engineer for the San Joaquin Light & Power Corporation, Fresno, Calif., in connection with the design of its 35,000-kw. steam plant now under construction.

The Long Bell Lumber Corporation and subsidiaries of Longview, Wash., report for 1929 net profits, including profits realized on the sale of capital assets, of \$1,659,333, equal to \$2.79 a share on the Class A stock. Net profits for 1928, including profits realized on the sale of capital assets, amounted to \$1,936,478, or \$3.25 a share.

Craft Saw Co., has established a temporary plant at 602 39th street, Oakland. The firm is now assembling patented builders' power saws which it plans to market under the trade name "Craft Saw." As yet none of these have been sold. W. G. Foster and A. Rorstrand are partners in the enterprise.

TRADE NOTES

C. E. McMullin, roofing contractor and president of the Fresno Builders' Exchange, will move from his present quarters at 1231 Broadway about April 15 to larger quarters at 1225 Broadway, Fresno. The new quarters will provide spacious display rooms in addition to offices and stock rooms.

Eugene P. Schaefer and Harry C. Herning will operate from 952 Folsom St., San Francisco, under the firm name of Coast Electric Supply Company.

R. G. Harris, formerly Pacific Coast manager of the General Cable Corp., with headquarters in San Francisco, has been appointed manager of the corporation's Denver office. Mr. Harris is in charge of the activities of all divisions of the General Cable Corp. in that territory. The title of Pacific Coast manager having been abolished, C. G. Gauntlett, Pacific Coast sales manager, has taken over Mr. Harris' duties, with no change in title.

Portable Power Tool Corp., of Warsaw, Indiana, manufacturers of portable saws, has established permanent offices and sales and service quarters at 964 Thirty-seventh St., Oakland, with N. M. Barnhart as regional manager.

Proceedings have been started by the city council of Richmond, Contra Costa County, for a combined storm and sanitary sewer system, estimated to cost \$1,250,000.

COMMITTEE APPOINTED TO DEVELOP PLASTERING SPECIFICATIONS

A sectional committee on specifications for plastering was organized February 24 under the joint sponsorship of the American Institute of Architects and the American Society for Testing Materials for the purpose of developing specifications for lime, gypsum and cement plastering under the rules of procedure of the American Standards Association.

Personnel of the committee includes representatives of the producers of plastic materials, of materials to which plaster are applied, of consumer interests and of those responsible for the execution of the work.

Officers were elected as follows: Chairman, A. C. Lynas, Dwight P. Robinson & Co., Inc., New York City; vice-chairman, Leroy E. Kern, American Institute of Architects, Washington, D. C.; secretary, Frank B. Stevens, Jr., Stevens Master Specifications, Inc., Chicago, Ill.

Four working committees were appointed to consider lime plastering, gypsum plastering, cement plastering and metal lath. In addition, there is to be a co-ordinating committee which will receive the reports of the other committees and incorporate these into complete specifications for plastering.

SEEKS RESERVOIR FUNDS

M. M. O'Shaughnessy, San Francisco city engineer, has requested the Board of Public Works to make \$2,000,000 available from the revenues of the Municipal Water Department over a three-year period to finance construction of the proposed Balboa Park reservoir in addition to \$75,000 from the same source to finance purchase of land for the Glen Park reservoir.

ROLANDI, BRIDGE CONTRACTOR, UNETHICAL BUSINESS PROCEDURE

The world has always known and felt in varying degrees the effects of the meannesses, trickeries and downright evils perpetrated upon the masses by those whose desires to gain their own ends lead them to the use of methods of despicable nature. Society has protected itself to the extent of invoking the law, but despite the penalties inflicted on those found guilty, there are those whose subtleties enable them to evade the means of protection.

Just as society is affected in this respect, so also has business found within its ranks the business criminal, who insists on operating in opposition to the "unwritten law." Here, too, he uses technicalities of interpretation to escape justice, and the honest business man is oftentimes left with little or no protection.

In the construction industry there is the type of man synonymous to the business criminal. He operates, apparently, as do his associates—that is, to outward appearances. But behind closed doors, he is cutting prices, peddling bids and carrying on numerous other nefarious practices, possibly to his own immediate benefit, but eventually to his loss and to the detriment of the construction industry.

The construction industry has reached the stage where it no longer is regarded as a haphazard business institution. It is more nearly, indeed, a profession. And what profession exists that has not its code of ethics, whereby the caliber of a member is judged with the result that stringent measures for the correction of laxities may be meted out as are needed?

While these exists that "unwritten law" in which all are included, there are many who regard it as too general to apply to their business, looking upon it, rather, as applicable to their social status in the community. A definite code of ethics recognized as framed particularly for the construction industry would, it is felt, have a pronounced effect upon the looser members. Though it may not entirely eliminate the undesirable, it would undoubtedly alleviate many of the present ills that work to the hardship of the honest member.—(Editorial in Seattle Journal of Commerce).

LUMBER ORDERS ARE BELOW PRODUCTION

Lumber orders were 15 per cent less, and shipments 6 per cent less, than production for the week ended March 22, it is indicated in reports to the National Lumber Manufacturers Association from 850 hardwood and softwood mills, which gave production as 367,666,000 feet. A week earlier 854 mills reported shipments 10 per cent less and orders 12 per cent less than production, which totaled 366,875,000 feet. Unfilled orders on hand at 492 softwood mills on March 22 were the equivalent of 20 days' production which may be compared with an equivalent of 22 days' reported by 503 mills a week earlier. As compared with last year, 472 identical softwood mills reported production 4 per cent below, shipments 10 per cent below and orders 24 per cent below figures for the same week last year for hardwoods, 209 identical mills gave production 11 per cent less, shipments 28 per cent less and orders 42 per cent under the volume for the week a year ago.

Lumber orders reported for the week ended March 22, 1930, by 609

softwood mills totaled 282,666,000 feet, or 13 per cent below the production of the same mills. Shipments as reported for the same week were 308,446,000 feet, or 4 per cent below production. Production was 322,943,000 feet.

Reports from 263 hardwood mills give new business at 31,761,000 feet, or 29 per cent below production. Shipments as reported for the same week were 37,447,000 feet, or 16 per cent below production. Production was 44,717,000 feet.

Reports from 492 softwood mills give unfilled orders of 966,241,000 feet, on March 22, 1930, or the equivalent of 20 days' production. This is based upon production of latest calendar year—300-day year—and may be compared with unfilled orders of 503 softwood mills on March 15, 1930, of 1,044,940,000 feet, the equivalent of 22 days' production.

N. Y. STRUCTURAL STEEL LAWS ARE AMENDED

Amendments to the building code of New York City recently adopted by the Board of Aldermen of that city provide for an increase in the allowable working stress for ordinary structural steel from 16,000 to 18,000 pounds a square inch. Permission was given to use special steels, such as nickel, silicon and high-carbon steel. A general increase in the allowable working stresses on steel used in reinforced concrete and on steel and concrete columns to conform with the increased stress allowance on structural steel was also granted by the amendments adopted.

Other amendments allowed for a decrease in the load for wind pressure from 30 to 20 pounds a square foot, with a requirement that all wind loads shall be carried in the structural frame. Other load reductions included are those for live loads for certain types of buildings, notably a reduction in such loads for office space from 60 to 50 pounds per square foot, and in various kinds of places of assembly a reduction from 100 to 60 and 55 pounds. A decrease of the minimum loads required for light factory buildings, stables and pleasure car garages was also included.

YOU ARE WELCOME

William H. George, president of the National Association of Builders' Exchanges, has forwarded to Daily Pacific Builder a copy of the following resolution, passed by the National Association, with regard to its annual convention held in this city February 10th to 13th inclusive:

"Resolved, that the thanks of the National Association of Builders' Exchanges be and is hereby tendered to the DAILY PACIFIC BUILDER for the able and impartial manner in which it handled the work of this convention."

CONSTRUCTION CONGRESS TO BE FORMED IN CHICAGO

A new endeavor to stimulate building operations in the Chicago area is being made in the formation of a "construction congress," which is to include among its members general contractors, architects, real estate men, bankers, investment brokers, building material supply dealers, engineers, and others interested in construction and its allied interests. E. M. Craig, executive secretary of the Building Construction Employers' Association, is promoting the new organization.

LOW COST GRADE SEPARATION STRUCTURES URGED IN REPORT

Low cost carefully planned structures for separation of traffic at railroad crossings or highway intersections are urged in a report of the grade crossings committee of the American Road Builders' Association. It is pointed out that many such structures that were built during the past decade are now inefficient for traffic needs. Some are too narrow, others have dangerous curves at approaches or over the structure. The committee has been at work for the past year on a study of low cost grade separations, believing that the cost alone has retarded the elimination program which on every hand is regarded as vital to traffic safety. Re-location of highways is favored in instances where it might be more economical and result in better alignment.

Chairman Morris Goodkind, bridge engineer of the New Jersey state highway commission, declares that danger to life is three and one-half times greater at grade crossings than on other parts of the highway system and recommends the construction of the maximum number of grade crossing eliminations from railroad, state, and local funds available.

Statistics cited by the committee show that densely populated areas have greater need of grade separations of intersecting highways as well as of railroads and highways at grade crossings.

In New York, in 1928, accidents at intersections were classified as follows:

	Total	Ft	N'n-Ft
Rural inter.....	634	27	607
Street inter.....	40,964	635	40,329
Railroad cross.....	208	101	107

During the first half of 1929, figures of the first two groups increased considerably over those for railroad crossings. In 1925, the total number of accidents at street intersections was 20,328 and at railroad crossings 148, so that in three years the former increased about 100% and the latter about 40%.

This higher rate of increase was thought to be due to the fact that elimination of railroad grade crossings has been going on at a faster rate than those of intersecting highways.

Elimination of both is necessary in the design of modern roads to increase their safety and capacity.

Out of a total of 675 motor vehicle fatalities in North Carolina in 1928, 54 deaths, or 8%, were caused by collision with railroad trains, while an equal number of fatalities occurred at street intersections and 25 others at rural intersections, according to William L. Craven, state bridge engineer.

C. B. McCullough, bridge engineer of Oregon, declares that in 99 cases out of a hundred where damages are sought for railroad crossing accidents, if the plaintiff has stopped, looked and listened as told by the standard warning sign he wouldn't have been on the crossing at the time of the accident, so that the very fact of the accident makes out a prima facie case against him.

"In spite of their rather impregnable legal position," he continues, "the railways of the United States have been very generous in their settlement of damage claims for grade crossing accidents and not only in this regard, but in the matter of eliminating grade crossing hazards upon their own motion, many of these companies have gone so far as to rather shame the highway group upon whose doorstep the problem really belongs."

The splendid progress made by Georgia in grade crossing eliminations on the state highways is revealed in a statement by Bridge Engineer Searcy E. Slack that the number of 751 grade crossings in 1918 was reduced to 415 by the end of last year. Of these eliminations, 297 were by relocation, 56 by bridges over the railroads, and 13 by underpasses.

Other than the good and sufficient reason of reducing fatalities at grade crossings, Chairman Goodkind declares that another distinct advantage gained by crossing eliminations is the facilitation of traffic.

"Just as the standing of a railroad in the minds of its patrons depends on the safety and efficiency of its service," says Goodkind, "so is the value of a highway measured by the same characteristics, and all efforts should be made to remove the hazards as quickly as possible."

Window glass is 10 to 20 per cent below last year.

Paint sales are lower, but manufacturers expect the usual improvement which places half their year's business in the second quarter.

The price index of building materials indicates unchanged prices for structural steel, common brick, hollow tile, sand, gravel and crushed stone with small increases for cement and lumber.

Lumber manufacture shows a decline of 13 per cent for the first ten weeks of the year, compared with last year, and shipments are 12 per cent below last year. The rate of shipments recently shows improvement. The lumber industry relies upon an enlarged building program and expects for the year a larger volume than in 1929 or 1928.

The iron and steel industry for the third week in March operated at 75 per cent against 94 per cent in last year's high activity. Indications are for an increase in production.

Structural steel orders are about 4 per cent under 1929. Rail mills are operating at capacity. Tinsplate mills at 85 per cent. Some line pipe business is in contemplation. Steel industry still feels a smaller automobile production. Increased structural steel orders are expected to sustain or perhaps increase present rate of activity.

Spring demand for electrical equipment has developed. Some large manufacturers report orders substantially ahead of last year's figure to date. Some branches report conditions moderately below last year's average. The export market is reported favorable. Payroll indices this February six per cent were larger than February, 1929.

JURY IS NAMED TO SELECT ARTISTIC BRIDGES

A jury of nationally known architects and engineers was announced today by the American Institute of Steel Construction to select the most artistic bridges built of steel during the past year. This will constitute the second annual award, the first being the Sixth Street Bridge in Pittsburgh which was judged to be the most beautiful bridge opened to traffic during 1928.

It is the intention of the Institute to make two awards this year. One decoration will go to that steel bridge costing in excess of \$200,000, and the other to the steel bridge costing under that amount. These will constitute the most beautiful long-span and the most beautiful short-span bridges opened to traffic during 1929. Judgments will be made from photographs now being submitted and the awards will be determined at a meeting of the Jury of Award to be scheduled in June next.

The jury named to select the prize consists of two engineers, two architects and a fifth to represent civic interests. They are: Stephen F. Voorhees, architect; Gustav Lindenthal, bridge engineer; Prof. Wm. H. Burr, consulting engineer; Cass Gilbert, architect; and Dr. Horace McFarland, president of the Pennsylvania Fine Arts Commission.

MARCH BUILDING IN FRESNO

Building permits issued in Fresno during the month of March called for improvements involving an expenditure of \$53,315 as compared with \$175,423 for the corresponding month in 1929. Building permits in Fresno for the past three months involve an expenditure of \$389,119 as compared to \$395,791 for the corresponding period in 1929.

CONDITIONS IN BUILDING INDUSTRY CITED IN SURVEY

Julius H. Barnes, chairman of the National Business Survey Conference, has issued the following summary of business conditions in the construction industry throughout the United States:

Upon the basis of progress already made this year, and more matured plans of the various fields of business, it is now possible to restate in larger totals earlier estimates of probable expenditures in 1930 for equipment and new construction. Utilities of all kinds contemplate such expenditures this year to an aggregate of \$3,250,000,000, as against \$2,863,000,000 last year.

Other private construction in all of its forms, it now seems probable, will reach at least as large as last year.

There are continued signs of improvement, except in residential building which still drags. Contracts awarded in the week ending March 14 totaled \$105,000,000, the highest weekly figure in eight weeks. February permits for additions, alterations and repairs in 279 cities show a decided

increase in numbers over January, but a smaller total value.

Awards for concrete pavements for January and February and for state and county roads exceed last year by \$2 per cent and are 40 per cent above 1928. Shipments of Portland cement this February were the largest of any February in the last four years.

The crushed stone industry, usually dormant until mid April, expects this year's business to prove 10 per cent above normal and above last year. Shipments of stone, sand and gravel are increasing slowly.

Common brick has had a very dull three months.

The slate industry finds orders light and prices lower, but expects better conditions last half of the year.

Time for construction purposes indicates 40 per cent below normal, while for agricultural and chemical work it is 10 to 15 per cent over last year. Manufacturers expect improvement with the construction season.

Plate glass manufacturers report conditions quiet, but improving.

VARIED MIXTURES USED BY MISSION FATHERS FOR BRICK

Brickmaking in the early days of California history apparently corresponded to the modern spring house-keeping, according to a study of adobe bricks just completed by Prof. George Hendry and Margaret Kelly, graduate student, at the University of California College of Agriculture.

The university representatives found, in dissolving adobe bricks from 12 Spanish missions and three old ranchos, that the mission fathers not only used straw and grass to bind the adobe together, but swept up the kitchen dooryard for that purpose, adding fruit pits, grape seeds, leather scraps, horse hair and bones.

Adobe Brick Analyzed

Professor Hendry analyzed adobe brick from the historic structures for the purpose of tracing the development of agriculture in the state, and dating the introduction of specific varieties of plants. Identifiable remains of certain plants, offering conclusive evidence of their presence in the state when the old buildings were constructed, rewarded the search. A report on this work is soon to be published by the Agricultural History Society of Washington, D. C.

Among interesting points brought out by Professor Hendry is one to the effect that adobe bricks are not made of soil technically known as adobe, but are made of almost all other soils with the exception of sand and clay. He says: "Although adobe was abundant at several mission sites, it was

not used in its pure state, but always mixed with sand to ameliorate its colloidal nature. An example of such an artificial mixture was found in the San Antonio de Padua, near Jolon, California."

Human Bones Found

He says further: "Human bones in great abundance were washed from the bricks at the San Vicente Mission. These were found chiefly in the buildings surrounding the great north court, and on the hillside to the north of the mission, where gopher activity had brought them to the surface. The year following the founding of this mission, 1781, a smallpox epidemic greatly decimated the Indian population and this no doubt accounts for the presence of so many human remains, in shallow graves, all about the mission site. Soil for later building operations were evidently taken from the earlier burial ground, and in this way the remains of the first converts have found their way into the walls of the holy edifice."

Concerning the plant specimens for which he was searching, Professor Hendry concludes: "Surveying the varied collection of plant specimens found, one might fancy that an early naturalist has foreseen the interest which posterity would attach to the wild flora and to the fruit and field crops of early California, and had patiently collected and preserved them in the enduring walls of the historic edifices."

GERMANS LEARN AMERICAN LUMBER MANUFACTURE VIA MOVIE

German consumers of American lumber are being effectively reached at the present time through a film sent to that country by the lumber division of the Department of Commerce, showing the operations connected with the logging and manufacture of lumber in the Pacific Northwest.

The showing of this film, which was placed at the disposal of the lumber division by the Long Bell Lumber Company, Longview, Washington, was arranged by Axel H. Oxholm, chief of the lumber division, with the Wood Utilization Committee of the German Government.

In Berlin the showing of this film was attended by an audience of industrialists, engineers, and building contractors. It was also shown at the Wood Utilization College at Rosenheim, and in various important cities on the Rhine. The latter action is one of the most important markets for American lumber in Germany.

So great is the interest in this film that requests have been received by the lumber division for its showing in neighboring countries. Although the film has now been in Germany six months, it is to remain there for a further period in order to satisfy the demand for its showing in sections in which it has not already appeared.

"This is a very effective method of reaching the ultimate consumer in foreign lands with the message of the proper use of American woods," said Mr. Oxholm, in commenting on the success of the film.

"Coincident with the showing of this film the lumber division, in co-operation with the National Committee of Wood Utilization, has issued a bulletin 'American Douglas Fir and Its Uses' which has been prepared from the standpoint of the foreign consumer, and which had already had wide distribution abroad."

CERTIFICATES ARE GRANTED TO THREE ARCHITECTS

Albert J. Evers, secretary of the State Board of Architectural Examiners, Northern District, report the granting of provisional certificates to practice architecture to Kenneth E. Fratis, 1732 Webster St., Oakland; Chas. G. Lundgren, 57 Clayton St., San Francisco; and Doy Early, 1421 Twenty-sixth St., Sacramento.

R. R. EXTENSION AUTHORIZED

The Interstate Commerce Commission has granted authorization to the Southern Pacific to extend its line for sixteen miles in Imperial County.

The extension will be effected through construction of six miles of new line between Sandia and Holtville and operation over ten miles of the Holtville Interurban Railroad between Holtville and El Centro.

This will enable the Southern Pacific to handle by a more direct route the transcontinental traffic of the Sandia branch which serves a highly developed agricultural region.

ARCHITECT LINDEN MOVES TO NEW QUARTERS

John V. Linden, architect, announces the removal of his offices from 30 Plaza Building, Oakland, to 701 Alameda Building, 604 Mission St., San Francisco. Telephone KEarny 4357.

STANDARD WIRING SPECIFICATIONS AVAILABLE AT ELECTRICAL BUREAU

Recently in these columns was published an article on the standard wiring specifications now being proposed by the National Electric Light Association.

It will no doubt be of interest to members of the building fraternity on the Pacific Coast that the decision of the national association to issue such specifications was the outgrowth of an activity initiated in California.

The following article concerning these specifications was prepared by Mr. Victor W. Hartley, executive secretary of the California Electrical Bureau with headquarters at 447 Sutter St., San Francisco.—Editor.

About two years ago a committee studying the conditions which made it impossible for many building owners to give their tenants the desired quantity and quality of illumination and necessitated expensive re-wiring installations to make this illumination possible decided that there was a very definite need for a set of wiring specifications, or rather a minimum standard below which no building should be wired if it was to properly serve the needs of its tenants.

After a year of study, survey, and consultation with architects, builders, electrical engineers and illuminating engineers such a minimum standard was prepared and after it had been approved by the State Industrial Accident Commission, Board of Fire Underwriters of the Pacific, and Electrical Inspectors Association, was published.

After the publication of these stand-

ards the question naturally arose as to how they could be made most accessible and of the greatest value to the building industry and it was decided to make them a part of the Red Seal Certified Wiring program which this organization has been promoting in residential construction for the past four years.

Under this plan any building which is to be wired according to these specifications becomes a matter of record with us and at the proper time is inspected by a representative of this organization to determine its conformance with the standards.

Upon report by the inspector of his approval of the job we issue to the owner a Red Seal Certificate as his evidence that the job complies with these established standards.

There is no charge for this service, the cost being borne by our organization which is maintained by, and at the expense of, the electrical industry to render this service free to those who apply for it.

These specifications are entirely non-commercial in that they impose no requirement as to whose material shall be used or who shall do the work, they are purely an adequacy standard.

A copy of these standards has been delivered to practically every architect registered with the State Board of Architecture and to such Builders as the Electrical Bureau has been able to establish contact with. Should any readers not already in possession of a copy desire to receive one for their files it will be forwarded upon request to the bureau headquarters in San Francisco.

Building News Section

APARTMENTS

Owner Taking Segregated Bids.
APARTMENTS Cost, \$85,000
OAKLAND, Alameda Co., Cal. No. 541 Merritt Ave. near Cleveland Street.
 Three-story and basement frame and stucco apartment building (15 2, 3 and 4-room apts.) garage to accommodate 18 cars.
 Owner—H. E. Buckland, 2065 Webster St., Oakland.
 Architect—Chester Treichel, American Bank Bldg., Oakland.
 Ground is to be broken next week.

Completing Plans.
APARTMENTS Cost, \$100,000
OAKLAND, Alameda Co., Cal. Athol Ave. near Lake Merritt.
 Three-story and basement frame and stucco apartments.
 Owner—William Richardson.
 Architect—John Easterly, Howden Bldg., Oakland.
 Bids will be taken April 2nd.

Construction Under Way.
APARTMENTS Cost, \$15,000
SAN FRANCISCO, SW Laguna and California Sts.
 Two-story and basement frame and stucco apartments.
 Owner and Builder—W. W. Chapin, Hunter-Dulin Bldg.
 Architect—E. E. Young, 2002 California Street.

Owner Taking Sub-Bids.
APARTMENTS Cost, \$65,000
OAKLAND, Alameda Co., Cal. 38th St. and Manila Ave.
 Three-story frame and stucco apartments (2, 3, 4 and 5-room apts.).
 Owner—N. E. Rockwell, 640 E-15th St., Oakland.
 Architect—Chester H. Treichel, American Bank Bldg., Oakland.
 Ground is to be broken next week.
 Will contain 18 apartments (54 rooms) and 11 reinforced concrete private garages.

Contract Awarded.
APARTMENTS Cost, \$75,000
BURLINGAME, San Mateo Co., Cal. El Camino Real.
 Three-story and basement frame and stucco apartments.
 Owner—Philip Webster, 2401 Fulton Ave., Berkeley.
 Architect—Edwards & Schary, 605 Market St., San Francisco.
 Contractor—Daly Bros., Burlingame.
 Architects are taking sub-bids.

Sub-Bids Being Taken.
APARTMENTS Cost, \$75,000
SAN FRANCISCO, Cervantes & Scott Streets.
 Three-story and basement frame and stucco apartments with tile roof (13 3, and 4-room apts.).
 Owner and Builder—Ben Lieberman, Scott and Pardo Sts., San Francisco.
 Architect—Irvine & Ebbets, Call Bldg., San Francisco.
 Will contain all modern conveniences, including steam heat, hot water system, etc.

Plans Being Prepared.
APARTMENTS Cost, \$50,000
ALO ALTO, San Mateo Co., Calif. Forest Ave.

Two-story part frame and concrete apartments.
 Owner—E. J. Cooksey, 538 S Humboldt, San Mateo.
 Plans by Chas. Schultz, Redwood City.

Contract Awarded.
APARTMENTS Cost, \$25,000
SAN FRANCISCO, NW 21st St. and Municipal R. R. Thoroughfare.
 Three-story and basement frame and stucco (9) apts.
 Owner—H. Tillman, 4344 Balboa St.
 Architect—F. W. Dakin, 625 Market.
 Contractor—A. R. Larsen, 4020 24th Street.

Preliminary Sketches Being Prepared
APARTMENTS Cost, \$75,000
OAKLAND, Alameda Co., Cal. 29th Street.
 Three-story apartments (2 and 3-room apts.) (type of construction undecided).

Owner—Withheld.
 Architect—Louis M. Upton and Geo. E. Ralph, 110 Sutter St., San Francisco.
 Will probably be either frame and stucco or Class C.

Plans Being Prepared.
APARTMENTS Cost, \$—
SAN FRANCISCO, Fourteenth and Rosemont Streets.
 Five-story and basement steel frame and concrete apartments.
 Owner and Builder—Henry W. Petersen, % Crocker Amazon Realty Co., 512 Geneva Ave., San Francisco.
 Architect—E. E. Young, 2002 California St., San Francisco.

Sub-Bids Being Taken.
APARTMENTS Cost, \$100,000
SAN MATEO, San Mateo Co., Calif. Baywood Park.
 Two- and three-story frame and stucco apartments.
 Owner and Builder—Wm. MacIntosh, Williams Bldg., San Francisco.
 Architect—Irvine & Ebbets, Call Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, \$10,000
SAN FRANCISCO, Twenty-fifth Ave.
 One-story frame and stucco hungalow apartments (2 3-room apts.).
 Owner—Withheld.
 Architect—Powers & Ahnden, 605 Market St., San Francisco.

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Architect Taking Sub-Bids.
APARTMENTS Cost, \$100,000
OAKLAND, Alameda Co., Cal. Athol Ave. near Lake Merritt.
 Three-story and basement frame and stucco apartments.
 Owner—William Richardson.
 Architect—John Easterly, Howden Bldg., Oakland.
 Contractor—J. Daneri, 6515 Raymond St., Oakland.
 Segregated bids are being taken.

BONDS

MENDOCINO CITY, Mendocino Co., Cal.—Until April 15 bids will be received by county supervisors for purchase of \$18,500 bond issue proceeds of sale to finance erection of a new school. Davis-Pearce Co., Grant and Weber Sts., Stockton, architects.

CUPERTINO, Santa Clara Co., Cal.—Cupertino Union School District defeats proposal to issue bonds of \$28,000 to finance purchase of additional lands and erection of additions to present school.

VENTURA, Calif.—Avenue School District defeated \$100,000 bond issue March 28, proceeds from which were to have been used for school. Architect Roy C. Wilson, Santa Paula, prepared sketches.

CHURCHES

Planned.
CHURCH Cost, \$—
LOS ANGELES, Cal. NW Fifth and Hope Sts.
 Class A limit height church (165x90 ft. (auditorium to seat 2000)).
 Owner—Temple Baptist Church.
 Architect—Morgan, Walls & Clements Los Angeles.
 Dr. John Shape is pastor of the church. It has not been determined what disposition will be made of the present auditorium building at Fifth and Olive Sts. by the prospective purchaser. The site is approximately 180x185 feet in area.

STOCKTON, San Joaquin Co., Cal.—Greek Orthodox Church are completing negotiations for the purchase of the northeast corner of Lafayette and Stanislaus streets on which it is proposed to erect a new edifice. The estimated cost of the new structure is placed at \$17,000. Peter Bobotas is chairman of the building committee.

Plans Being Prepared.
CHURCH Cost, \$30,000
DUNSMUIR, Siskiyou Co., Cal.
 One-story reinforced concrete church.
 Owner—Roman Catholic Bishop.
 Architect—Harry Devine, California State Life Bldg., Sacramento.
 Bids will be called for in May.

FACTORIES AND WAREHOUSES

Plans Being Completed.
WAREHOUSE Cost, \$50,000
WATSONVILLE, Santa Cruz Co., Cal.
 Warehouse and general offices.
 Owner—Espendolas, Inc.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
 Bids will be taken in two weeks.

Additional Sub-Contracts Awarded.
BLDG. Cont. price, \$13,450
SAN FRANCISCO. SE 7th and Con-
necticut Sts.

One-story and mezzanine floor steel
frame and concrete industrial bldg.
owner—Folsom Street Iron Works.

Architect—T. W. Lenzen, Humboldt
Bank Bldg.

Contractor—Mission Concrete Co., 270
Turk Street.

Sheet Metal—John J. Delucchi, 1256
Powell St.

Reinforced Steel—W. S. Wetenhall Co.,
17th and Wisconsin Sts.

Painting—A. Zelinsky, 1420 Cali-
fornia Street.

Brick Work—White & Gloor, Monad-
nock Bldg.

Rolling Doors—Acme Rolling Door Co.,
Oakland.

As previously reported, grading con-
tract awarded to Sibley Grading and
Teaming Co., 195 Landers St.

Contract Awarded.
HANGAR Cost, \$100,000
ALAMEDA, Alameda Co., Cal. Ala-
meda Airport.

Steel frame hangar (120x450-ft.)
Owner—Alameda Airport, Inc.
Private Plans.

Contractor—Lindgren and Swinerton,
Inc., 225 Bush St., San Francisco.

SAN FRANCISCO.—Toledo Scale Co.
of Cincinnati, it is announced by Wm.
A. Zolg, secretary-treasurer of the
concern, plans to locate an assembly
plant in San Francisco to serve the
Pacific Coast district. Further men-
tion will be made of this project when
the negotiations are further advanced.

REDDING, Shasta Co., Cal.—Saw-
mill of F. J. Horrs, near Fern, with a
capacity of 12,000 ft. a day, was
destroyed by fire March 30.

RICHMOND, Contra Costa Co., Cal.
—Golden Gate Sardine Co., represented
by Peter Newman, has been autho-
rized by the city council to erect a
fish canning plant at Point Molate,
along the shores of San Pablo Bay.
The 8-acre site on which the plant
will be erected was formerly held un-
der the name of the Wells Fargo Bank
and Union Trust Company of San
Francisco. The plant will be housed in
two structures, one comprising the
cannery and the other the can plant,
the former being a two-story struc-
ture, 150 by 185-ft., and the latter,
one-story, 400 by 150-ft. Both build-
ings will be of steel frame with cor-
rugated iron roofing and walls.

To Be Done By Day's Work.
ADDITION Cost, \$10,000
SAN FRANCISCO. Army St. bet. Mis-
souri and Mississippi Sts.

Addition to metal shop.
Owner—Soule Steel Co., Army and
Mississippi Sts.

Plans by Owner.

Completing Plans—Contract Awarded.
FACTORY Cost, \$250,000
LOS ANGELES, Cal. SE circle 12th
St. and Stanford Ave.

Five-story and basement class A re-
inforced concrete factory (120,000
sq. ft. floor space).

Owner—Siskin Investment Co.
Architect—John M. Cooper, Rives-
Strong Bldg., Los Angeles.

Contractor—John M. Cooper Co., Inc.,
Rives-Strong Bldg., Los Angeles.

SOUTH SAN FRANCISCO, San
Mateo Co., Cal.—United States Air-
craft Corp., a Nevada concern, is re-
ported to be planning the construc-
tion of an aircraft factory on the site
formerly occupied by the Machetti
Motors Company adjoining the Mills
Field (San Francisco) Municipal Air-
port. The Machetti property has been
taken over by the Nevada corpora-
tion.

Contract Awarded.
PACKING PLANT Cost, \$—
PORTERVILLE, Tulare Co., Cal. So.
E St. near Orange.

Frame packing plant (46x130 ft.)
Owner—Linden & Sarthou.
Architect—None.

Contractor—Frank O. Sheldon, Porter-
ville.

Plans To Be Prepared.
REFINERY Cost, \$75,000
PLACERVILLE, El Dorado Co., Cal.

Glass sand refinery.
Owner—Spicky Polish Co., 1401 3rd
St., San Francisco.

Architect—Not Selected.
Perry Small is president of the com-
pany.

Contract Awarded.
WAREHOUSE Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal.

Two-story reinforced concrete ware-
house.
Owner—Security Warehouse & Cold
Storage Co., San Jose.

Architect—Ralph Wyckoff, Growers'
Bank Bldg., San Jose.

Contractor—R. O. Summers, 17 N 1st
St., San Jose.

BRODERICK, Yolo Co., Cal.—Mill
of California Rice Growers' Associa-
tion at Broderick was destroyed by
fire March 28. The building and stock
loss is estimated at \$500,000. The mill
is a five-story concrete structure.

Contract Awarded.
FACTORY Cont. Price, \$28,837
SAN JOSE, Santa Clara Co., Cal. NW
First and W Reid St.

One-story and mezzanine floor frame
tire plant (98x133 ft.).
Owner—Firestone Tire & Rubber Co.,
111 Townsend St., San Francisco.

Architect—Eng. Dept. of Owner.
Lessee—Fair-McQuoid Co., 337 E-First
St., San Jose.

Contractor—R. O. Summers, 17 North
First St., San Jose.

COMPTON, Los Angeles Co., Cal.—
Byron Jackson Co., 2150 E. Slauson
Ave., acquired property in north end
of Compton as possible site for
future expansion.

RIPON, San Joaquin Co., Calif.—
Nestles Food Company plans \$250,000
construction program in connection
with local plant. Considerable new
equipment will be installed, according
to C. Eisenger, plant manager.

STOCKTON, San Joaquin Co., Cal.
—Clarence E. Gilmore, 1560 Lucerne
St., Stockton, is president of a cor-
poration, recently organized, to
finance construction of a \$20,000 dis-
tributing plant and general offices on
Pacific Avenue adjacent to the West-
ern Pacific R. R. spur. The company
will construct or purchase a chain of
service stations extending from
Stockton to Hollister, San Benito
County in addition to distributing
products to independent dealers
throughout that region.

Contract Awarded.
WAREHOUSE Cost, \$12,000
SAN FRANCISCO. NW Fourth and
Welsh Streets.

One-story and mezzanine concrete
warehouse.
Owner—Max Levy.

Architect—O. A. Diechmann, 111 Sut-
ter St., San Francisco.

Contractor—Louis J. Cohn, 1 De Haro
St., San Francisco.

Plans Being Completed.
MFG. PLANT Cost, \$75,000
WATSONVILLE, Santa Cruz Co., Cal.

One-story brick Vitamin manufactur-
ing plant.

Owner—Lettisne Vitamin Co., Inc.,
Watsonville.

Plans by Mr. Brositt, Engineering De-
partment Chas. Dickens & Staff,
4 Key Rt. Arcade, Oakland.

Bids will be taken in two or three
weeks.

Incorporators are: Dr. Chas. Dick-
ens of Oakland; H. F. Boyer, James
T. Mann, Harry B. Sears, Ned B.
Strong and James R. Cutler of Wat-
sonville, and W. W. Benchley of Oak-
land, oleomargarine manufacturer.

Plans Being Prepared.
TRANSIT SHED Cost, \$—
OAKLAND, Alameda Co., Cal. Ninth
Avenue Pier.

One-story reinforced concrete super-
structure for transit shed (504x180
feet) (2 7/8 ft. trusses and 1 4/8 ft.
truss).

Owner—City of Oakland Port Com-
mission, 424 Oakland Bank Bldg.,
Oakland.

Architect—Eng. Dept. of Owner.
Bids will be advertised in about
three weeks.

SOUTH SAN FRANCISCO, San Mateo
Co., Cal.—Pipe finish department
of Western Steel and Pipe Co.'s plant
suffered a \$15,000 fire loss March 30.

GARAGES AND SERVICE STATIONS

Plans To Be Prepared.
ADDITION Cost, \$—
SAN FRANCISCO. Stevenson Street
bet. 2nd and 3rd Sts.

Two-story addition to present garage
(80x30-ft.).

Owners—M. A. Haris and Elmer B.
Stone, 5th and Brannan Sts.

Architect—Name Withheld.

Contract Awarded.
GARAGE Cost, \$50,000
SAN JOSE, Santa Clara Co., Cal.
Market and Balbach Sts.

Reinforced concrete public garage.
Owner—Fichetti Bros., 402 S-First St.,
San Jose.

Architect—Binder & Curtis, 35 West
San Carlos St., San Jose.

Contractor—Thermotite Constr. Co.,
490 Stockton St., San Jose.

Electrical Contract Awarded.
GARAGE Cost, \$153,470
SACRAMENTO, Sacramento Co., Cal.

One-story reinforced concrete garage.
Owner—Pacific Telephone & Telegraph
Co., 140 New Montgomery St., San
Francisco.

Architect—Eng. Dept. of Owner.
Contractor—MacDonald & Kahn, Fi-
nancial Center Bldg., San Fran-
cisco.

Electrical Work—Luppen & Hawley,
3126 J St., Sacramento.

Other awards reported March 15th.

Segregated Bids Being Taken.
GARAGE Cost, \$—
OAKLAND, Alameda Co., Calif. 5268
Golden Gate Ave.

One and one-half story reinforced con-
crete garage.
Owner—Name Withheld.

Architect—Ernest Flores, 1803 Frank-
lin St., Oakland.

April 3, 1930

Contract Awarded.
STATION Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.

First and Williams Sts.
Reinforced concrete super service sta-
tion.

Owner—Standard Oil Co., 225 Bush
St., San Francisco.

Architect—Eng. Dept. of Owner.
Contractor—Lindgren & Swinerton,
Inc., 225 Bush St., San Francisco.

Plans To Be Prepared.
GARAGE Cost, \$—
SAN FRANCISCO. Stevenson Street
 bet. 5th and 6th Sts.
 Fireproof garage (98x160-ft.).
 Owners—M. A. Haris and Elmer B.
 Stone, 5th and Brannan Sts.
 Architect—Name Withheld.

Contract Awarded.
AUTOMOBILE BLDG. Cost, \$—
EXETER, Tulare Co., Cal.
 One-story fireproof automobile sales
 and service building (50x80 ft.)
 Owner—H. C. Balaam, Exeter.
 Architect—None.
 Contractor—Hunt Bros., Exeter.

GOVERNMENT WORK AND SUPPLIES

PHOENIX, Ariz.—Until April 13, 2
 P. M., bids will be received by Jno. B.
 Brown, superintendent, U. S. Indian
 School, to furnish and deliver two
 steam jacketed made of aluminum,
 entire tank jacketed, having tubular
 reinforcing stay within jacket, safety
 valve, cover, complete with iron
 stand. Capacity to be not less than
 15 gallons. Kettles must be equal to
 "Wear-Ever" type No. 1. Further
 information obtainable from above.

WASHINGTON, D. C.—(By Special
 Wire)—Howe Scale Co., Philadelphia,
 Pa., at \$4,481 submitted low bid to
 Bureau of Yards and Docks, Navy
 Department, April 2, under Specification
 No. 6110, for one 100-ton and one
 15-ton scale at the Naval Ammunition
 Depot at Hawthorne, Nevada. The
 work consists of one 100-ton (200,000-
 lb.) railroad track scale, one 15-ton
 (30,000-lb.) motor truck scale and the
 services of an expert erector to super-
 vise and assist in the installation,
 all complete. Complete tabulation of
 bids received will be published in these
 columns shortly.

Structural Steel Contract Awarded.
BUILDING Cost, \$1,127,358
SAN FRANCISCO. U. S. Marine Hos-
 pital, Presidio.

Main building, attendants' quarters,
 boiler house and laundry.
 Owner—U. S. Government.
 Plans by Supervising Architect, Wash-
 ington, D. C.
 Contractor—Clinton Constr. Co., 923
 Polson St., San Francisco.

Structural Steel—Dyer Bros. Iron
 Works, 17th and Kansas Sts.,
 San Francisco.

As previously reported, electric
 work awarded to Severin Electric Co.,
 172 Clara St., S. E. plumbing, heat-
 ing and ventilating to Mechanical
 Contracting Co., 83 Shipley St., S. F.
 Other awards will be made shortly.

PHOENIX, Ariz.—Until April 21, 2
 P. M., bids will be received by Jno. B.
 Brown, superintendent, U. S. Indian
 School, to furnish and deliver two
 electrically heated food trucks with
 tray carriers. Further information
 obtainable from above.

PHOENIX, Ariz.—Until April 17, 2
 P. M., bids will be received by John
 B. Brown, superintendent, U. S.
 Indian School, to furnish and deliver
 one combination battery operated by
 steam heat. Further information ob-
 tainable from above.

SACRAMENTO, Cal.—Until April 10
 11 A. M., under Order No. 1828-1625,
 bids will be received by U. S. En-
 gineer Office, California Fruit Bldg.,
 to furnish and deliver Rio Vista, So-
 lano County: 25 lbs. Marine caulking
 cotton; 2000 lbs. Marine spun oakum;
 long fibre, in 10-lb. bales; 1 ream
 sandpaper; 2000 lbs. filling (cheap

grade) habbitt. Specifications obtain-
 able from above.

SACRAMENTO, Cal.—Until April
 10, 11 A. M., under Order No. 1828-
 1625, bids will be received by
 U. S. Engineer Office, California
 Fruit Bldg., to furnish and deliver,
 Stockton, Calif., 2 rolls standard
 quality cross-section paper, 12x10 to
 1-in., 20-in. wide, orange; crayons,
 pencils and miscellaneous supplies.
 Specifications obtainable from above.

SAN FRANCISCO.—Until April 21,
 bids will be received by Quartermas-
 ter Supply Officer, Fort Mason, to fur-
 nish a complete turntable crane, in-
 cluding turntable, all parts, fittings,
 and accessories and spares, for air
 corps retriever to be known as H-1.
 Further information obtainable from
 above.

SACRAMENTO, Cal.—Until April 11
 11 A. M., under Order No. 1801-Sac.83,
 bids will be received by U. S. En-
 gineer Office, California Fruit Bldg.,
 to furnish and deliver Sacramento,
 Manila rope, all 3-strand, as follows:
 4 coils 6-in. circ.
 4 coils 5 1/2-in. circ.
 3 coils 5-in. circ.
 2 coils 4 1/2-in. circ.
 6 coils 4-in. circ.
 8 coils 3-in. circ.

Rope without marker will not be
 considered. Each coil shall contain
 at least 750 lin. ft. of rope.

SACRAMENTO, Cal.—Until April
 10, 11 A. M., under Order No. 1825-
 1625, bids will be received by U. S.
 Engineer Office, California Fruit
 Bldg., to furnish and deliver Rio
 Vista, Solano County, or f. o. b. bid-
 ders' plant:

4000 ft. (100 pcs.) 2x12-in. by 20
 ft. and 2160 ft. (30 pcs.) 3x12-in. by
 24 ft. rough, No. 1 common pine
 lumber.

1667 ft. (20 pcs.) 8x8-in. by 10 ft.
 and 137 ft. (20 pcs.) 8x10-in. S4S, No.
 1 Common pine.

4000 ft. (200 pcs.) 3x8-in. by 10 ft.,
 No. 2, clear and better, with caulking
 seam 1/4-in. by 2-in., on two edges.

8000 ft. (500 pcs.) 1x12-in. by 16 ft.
 Fir or Hemlock, No. 2 Common.

Specifications obtainable from above
 office.

SAN FRANCISCO.—Until April 21,
 bids will be received by Quartermas-
 ter Supply Officer, Fort Mason, for
 1 lightweight highspeed, direct-acting,
 2 or 4 cycle, solid or air injection ma-
 rine Diesel engines, its accessories
 and fittings, of 6 or 8 cylinders, de-
 signed to afford not less than 225
 shaft horsepower at normal propelling
 revolutions and shall deliver the re-
 quired horsepower on standard com-
 mercial grade gasoline for air corps
 retriever to be known as H-1. Spec-
 ifications and further information ob-
 tainable from above.

SAN FRANCISCO.—Until April 21,
 bids will be received by Quartermas-
 ter Supply Officer, Fort Mason, for
 the construction and completion of
 the hull, superstructure, fittings, and
 appurtenances of one all-welded steel
 hoist boat to be known as the H-1.
 It is required that bids be submitted
 for the construction, installation of
 all units, and completion of the hull
 superstructure, fittings, and appur-
 tenances, except furnishing the pro-
 pelling plant with its auxiliaries, the
 electrical plant and the turntable
 crane, and all other items to be fur-
 nished by the Government as set forth
 in the specifications. Further infor-
 mation obtainable from above.

SAN FRANCISCO.—Until April 21,
 bids will be received by Quartermas-

ter Supply Officer, Fort Mason, for
 1 lightweight, highspeed, direct-act-
 ing, 2 or 4 cycle, solid or air in-
 jection marine Diesel engines, its ac-
 cessories and fittings, of 6 or 8 cylinders,
 designed to afford not less than 225
 shaft hp. at normal propelling revo-
 lutions and shall deliver the required
 horsepower on standard commercial
 grade gasoline for air corps retriever
 to be known as H-1. Specifications
 and further information obtainable
 from above.

PHOENIX, Ariz.—Until April 15, 2
 P. M., bids will be received by John
 B. Brown, superintendent, Phoenix
 Indian School, to furnish and deliver
 378,000-gals. (or 25% more or less)
 fuel oil, to test not less than 14 and
 not more than 18 degrees Baume.
 Further information obtainable from
 above.

PHOENIX, Ariz.—Until April 17, 2
 P. M., bids will be received by Jno.
 B. Brown, Superintendent, P. S.
 Indian School, to furnish and deliver
 two dishwashing machines, with
 steam injector, capacity not less than
 6000 dishes per hour, hand feed type,
 machine to be strongly constructed of
 monel metal and cast iron. Further
 information obtainable from above.

OAKLAND, Cal.—Until April 25, 3
 P. M., bids will be received by U. S.
 Engineer Office, Customhouse, San
 Francisco, for dredging in Oakland
 Harbor. Specifications obtainable
 from above office.

SACRAMENTO, Calif.—Until April
 15, 11 A. M., under Proposal No. 30-
 320, Specifications No. 1811, bids will
 be received by U. S. Engineer Office,
 California Fruit Bldg., to furnish and
 deliver one gasoline operated com-
 bination clamshell and dragline ex-
 cav. crane. Equip. shall be capable of
 heavy duty work, and of handling
 either a one cubic yard (water mea-
 surement) clamshell bucket, or one cu.
 yd. dragline bucket, with a 50-foot
 boom, through a full circle. Specifi-
 cations obtainable from above office.

PEARL HARBOR, T. H.—Hawaiian
 Dredging Co., Ltd., Honolulu, at \$36-
 038 awarded contract by Bureau of
 Yards and Docks, Navy Department,
 Washington, D. C., under Specifica-
 tion No. 6037, for reinforced concrete
 pier, quays and bulkhead including
 piping and electrical work at Naval
 Operating Base (Naval Station and
 Submarine Base, Pearl Harbor, T. H.)

SAN FRANCISCO.—Until April 9, 10
 A. M., under Schedule No. 923-30-241,
 bids will be received by Quartermas-
 ter Supply Officer, General Depot, Ft.
 Mason, to furnish and deliver 7 hot
 water heaters flanged steel body, test-
 ed to 150 lb. hydrostatic pressure, one
 to be No. 500S, with capacity of 500
 gals. hot water per hour and six to
 be No. 300S with capacity of 300 gals.
 per hour; 5 hot water tanks No. 48V,
 for above No. 300S heaters, to be 300-
 gal. capacity, size 48 inches diameter,
 60 inches long, each complete with
 stand. Further information obtainable
 from above.

SAN FRANCISCO.—Until April 18,
 10 A. M., under Schedule No. 923-30-
 243, bids will be received by Quar-
 termaster Supply Officer, General Depot,
 Fort Mason, to furnish and deliver
 1400 galv. watertight ash cans, 800 to
 be 20x26 inches, approx. 37 lbs.; and
 600 to be 13x26 inches, approx. 30-
 lbs.; 834 cor. door mats, 13x30 in.,
 thickest fine brush; 600 varnish paint
 brushes, size 3-inch; 20 oval varnish
 brushes, 1 1/2 by 1 1/2 inch; 1500 gals.
 paint drier; 1000 quarts emery cloth;
 back paint; enamel, etc. Further in-
 formation obtainable from above.

MARE ISLAND, Cal.—D. E. Burgess, 602 S Center St., Stockton, at \$6,590 awarded contract by Public Works Officer, Mare Island Navy Yard for completion of cleaning and painting five 450-ft. steel radio towers at Mare Island Navy Yard.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Industrial Maintenance Eng. Co., Los Angeles, at \$550, submitted lowest bid to Public Works Officer, Twelfth Naval District, 100 Harrison St., San Francisco, for cleaning and painting two 225-ft. wood lattice masts, including steel connections, bolts, etc., at the U. S. Naval Radio Station at South San Francisco.

Following is a complete list of the bids:

Industrial Maintenance Eng. Co., Los Angeles, \$550; D. E. Burgess, Stockton, \$568; J. D. Tucker, S. F., \$580; Roy Lind, S. F., \$595; A. B. C. Painting Co., S. F., \$1,000.

Bids held under advisement.

SACRAMENTO, Cal.—Until April 8, 11 A. M., under Order No. 1813-1625, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county:

13 ft. b.m. (2 pieces) oak, clear, S4S 3/4-in. x 12-in. by 12-ft.

24 do, 1-in. by 12-in. by 12-ft.

392 ft. b.m. (4 pieces) fir, rough No. 1 common, 6-in. by 14-in. by 14-ft.

784 ft. b.m. (12 pieces) do, 4-in. by 14-in. by 14-ft.

56 ft. b.m. (6 pieces) pine, No. 2, clear and better, S4S, 1/2-in. by 12-in. by 12-ft.

12 pieces ash, best grade, well seasoned, 1 1/2-in. round by 16-ft. long, (suitable for pike poles).

Further information obtainable from above.

SACRAMENTO, Cal.—Until April 11, 11 A. M., under Order No. 1832-WMC.53, bids will be received by U. S. Engineer Office, 4th and J Sts., Sacramento, to furnish and deliver automobile, similar and equal to the Ford "Station Wagon" with canopy top and rack for baggage. Further information obtainable from above.

PHOENIX, Ariz.—Until April 21, 2 P. M., bids will be received by Jno. B. Brown, superintendent, U. S. Indian School, to furnish and deliver two nurses' desks, flat top with each pedestal consisting of a cabinet for holding 15 charts of size 10 1/2 by 13 1/2 inches, large drawer in center. To be metal construction. Further information obtainable from above.

HAWTHORNE, Nevada.—As previously reported, New Jersey Chimney Co., 1913 Clifton Place, Newark, N. J., at \$6,357.57 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., to erect chimneys for Naval Ammunition Plant at Hawthorne, under Specification No. 5908. Complete list of bids follows:

New Jersey Chimney Co., 1913 Clifton Place, Newark, N. J., \$6,357.57.

Alphons Custodis Chimney Const. Co., 140 S Dearborn St., Chicago, \$7,623.

John V. Boland Const. Co., 721 Olive St., St. Louis, Mo., \$7,912.

Johnson Chimney Co., 5115 Bryson Bldg., Los Angeles, Calif., \$9,490.

Weber Chimney Co., 732 So Michigan Ave., Chicago, \$10,720.

SAN FRANCISCO.—Until April 21, bids will be received by Quartermaster Supply Office, Ft. Mason, for 1 Diesel engine generator set, which shall be easily started by hand and to generate current whenever electric lights are in use and to stop automatically when lights are turned off.

The generator to be of the d.-c., 115-volt, 4-pole, compound-wound type and to have a capacity of 15 kilowatts. The engine to be of the vertical, 2 or 3 cylinder, 4-cycle, water-cooled type. A 110-volt battery for starting, necessary lubricators and automatic controls, and spare parts will be furnished with this set. Also furnish electrical fixtures, switchboard, wiring system, running lights, shore leads, electrical supplies on board, wiring plans, Diesel electric auxiliaries, and sanitary and fire pump. Oil transfer pump and freshwater pump, all as required, for air corps receiver to be known as H-1. Specifications and further information obtainable from above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Purchasing Officer 100 Harrison St., San Francisco:

Bids Open April 15

Sch. 3099, Mare Island, 3 power plant installations for motor tugs.

Sch. 3100, Mare Island, 30,000 lbs. cotton twine, swab.

Sch. 3119, western yards, magnesium, pipe covering, block, plaster, asbestos, millboard, felt.

Bids Open April 29

Sch. 3098, all yards, living-room furniture, dining-room furniture, Mission type furniture, metal bedsteads and springs, bedroom furniture, Windsor chairs, hall chairs, miscellaneous chairs, tables, mirrors, reed furniture, etc., as required during July 1 to Nov. 30.

COCO SOLO, C. Z.—W. P. Thruston Co., Inc., Richmond, Va., at \$240,000 awarded contract by Bureau of Yards and Docks, Navy Department, to erect storehouse buildings and engine overhaul shop at Coco Solo, under Spec. No. 5938.

HALLS AND SOCIETY BUILDINGS

Date of Opening Bids Postponed Until April 10th, 9 A. M.

BUILDING Cost, \$400,000

OAKLAND, Alameda Co., Cal. 15th and Grove Sts.

Six-story and basement Class C steel frame and concrete building.

Owner—Salvation Army.

Architect—Douglas Stone, Gt. Western Power Bldg., Oakland.

Preparing Working Drawings.

CLUB Cost, \$2,000,000

SAN FRANCISCO. Post and Mason Streets.

Twenty-six-story class A club bldg.

Owner—Olympic Club, premises.

Architects—John Bakewell, Arthur

Brown, Jr., and John Bauer, associated, 251 Kearny St.

Bids will be taken about July 1.

MODESTO, Stanislaus Co., Cal.—M.

F. Varozza, Modesto, at \$1,994 submitted low bid to the city council to

erect one frame clubhouse. Robert

Miller, Modesto, at \$3,888 submitted

low bid to erect two frame clubhouses.

Following is a complete list of bids

all taken under advisement, until

April 2, (all bidders of Modesto).

(a) 1 bldg. (b) 2 bldgs.

(a) (b)

M. F. Varozza \$1,994 \$3,888

W. C. Crews 1,995 3,992

Arnold & Johnson 1,997 3,919

Robt. Miller 1,998 3,888

M. O. Ward 2,520 4,906

Ernest Green no bid 3,960

Prospective Bidders.

AUDITORIUM Cost 1st unit, \$150,000

(Total cost, \$500,000)

RENO, Nevada. First and Chestnut

Streets.

Two-story and basement class A concrete and steel Scottish Rite Auditorium.

Owner—Scottish Rite Masonic Temple

Association.

Architect—Carl Werner and S. Hel-

man, associated, 605 Market St.,

San Francisco.

George Swanstrom, Oakland.

J. J. Groden, Alameda.

E. T. Letter & Son, Oakland.

Wm. Ryan, Oakland.

Barrett & Hilp, San Francisco.

Young & Horstmeier, San Francisco

K. E. Parker, San Francisco.

Alfred Vezina, Oakland.

Wine & Williams, Reno.

C. D. Jameson, Reno.

NILES, Alameda Co., Cal.—Ink Ribbon Mfg. Co., 635 Howard St., San Francisco, at \$1,435.25 awarded contract by county supervisors to furnish and install curtains and drapes in American Legion Memorial Building at Niles. Kronke-Brampton Co., 3212 San Pablo Ave., Oakland, at \$186.25 awarded contract for floor coverings.

Plans being Figured.

AUDITORIUM Cost 1st unit, \$150,000

(Total cost, \$500,000)

RENO, Nevada. First and Chestnut

Streets.

Two-story and basement Class A concrete and steel Scottish Rite Auditorium.

Owner—Scottish Rite Masonic Temple

Association.

Architect—Carl Werner and S. Hel-

man, associated, 605 Market St.,

San Francisco.

About two weeks will be allowed

for figuring plans. Previous bids re-

ceived were rejected.

Complete Bid Listing—

Contract Awarded.

MEMORIAL BLDG. Cost, \$4,690

HILMAR, Merced Co., Calif. Lander

and Merced Ave.

Veterans' Memorial Building (site 75

by 150-ft.)

Owner—County of Merced, P. J.

Thornton, County Clerk.

Engineer—W. E. Bedesen, Shaffer

Bldg., Merced.

Contractor—Swanson & Chance, Tur-

lock.

Complete list of bids follows:

Swanson & Chance, Turlock.....\$4,690

E. J. Wallstrom, Turlock.....5,219

Neil & Wirtner, Turlock.....5,224

F. A. Johnson, Turlock.....5,269

Collins, Turlock.....5,325

Leo Heid, Livingston.....5,343

Bergman & Shevlin, Merced.....5,761

Complete Bid Listing.

LODGE BLDG. Cost, \$75,000

SAN FRANCISCO. Valencia St, near

Market St.

Three-story and basement reinforced

concrete and steel lodge building

(50x165 ft.)

Owner—Independent Order of Forest-

ers.

Architect — Harold Stoner, 220 3rd

Ave., San Mateo.

Low Bidder—De Lucca & Son, 16 Call-

ifornia St., San Francisco.

Following is a complete list of bids:

De Lucca & Son, S. F.....\$75,593

Spivock & Spivock, S. F.....77,200

Young & Horstmeier, S. F.....80,477

G. H. Wendt, Berkeley.....80,500

F. J. Reilly, S. F.....80,733

MacDonald & Kahn, S. F.....82,499

Ralph McLeran & Co., S. F.....86,300

Bids held under advisement.

RENO, Nev.—J. J. Groden & Co.,

1028 San Antonio St., Alameda, gen-

eral contractors, are taking sub-bids on all items in connection with the general contract on the two-story and basement class A concrete and steel Scottish Rite Auditorium, to be erected in Reno, for the Scottish Rite Masonic Temple Assn. Plans prepared by Architects Carl Werner and S. Heiman, associated, 605 Market St., San Francisco. Cost, \$150,000.

HOSPITALS

Specifications Being Written.

ADDITION Cost, approx. \$150,000
OAKLAND, Alameda Co., Cal. Fairmont Hospital.

Two-story class C reinforced concrete hospital addition.

Owner—County of Alameda.

Architect—H. H. Meyer, Kohl Bldg., San Francisco.

Bids will be called for within two weeks.

Complete Bid Listing—

Contract Awarded.

ADDITION Cost, \$4,596

MERCED, Merced Co., Calif. County Hospital Grounds.

Tubercular Ward addition.

Owner—County of Merced, P. J.

Thornton, County Clerk.

Engineer—W. E. Bedesen, Shaffer

Bldg., Merced.

Contractor—C. C. Disney, Merced.

Complete list of bids follows:

C. C. Disney, Merced.....\$4,596

C. C. Cameron & Son, Merced.....5,253

S. C. Nunemaker, Merced.....5,525

A. M. Zolberber, Merced.....5,536

M. B. Folsom, Merced.....5,603

W. K. Wiedenmann, Merced.....5,715

Preparing Working Drawings.

MOTHER HOUSE Cost, \$95,000

MISSION SAN JOSE, Alameda Co.

Three-story reinforced concrete Span-

ish type Mother House (stucco

exterior, tile roof; main facade

136 ft. long).

Owner—Dominican Sisters, Mission

San Jose.

Architect—Arnold Constable, 580 Mar-

ket St., San Francisco.

Structural Engineer—W. Adrian, 417

Market St., San Francisco.

Mechanical Engineer—Coddington Co.,

222 Kearny St., San Francisco.

Bids will be taken April 23rd from

a selected list of contractors and will

be opened April 30th.

Preparing Plans.

LABORATORY Cost, \$250,000

PHOENIX, Arizona. NW McDowell

Road and Tenth St.

Masonry medical research laboratory

(200x70 feet).

Owner—Wm. C. Grunow.

Architect—Fitzhugh & Byron, Home-

builders Bldg., Phoenix.

Landscape Architect—Ralph D. Cor-

nell, 3723 Wilshire Blvd., L. A.

LIVERMORE, Alameda Co., Calif.—

Foundation work has been started on

a frame hospital annex to the Liver-

more Sanitarium in L St. adjoining

Truchee creek, to be operated jointly

by the City and County of San Fran-

cisco in connection with the Hetch

Hetchy project and Livermore Sanitar-

ium interests. The structure will

be of frame construction, 41 by 187-ft.

and will house X-ray and operating

room, surgical wards, etc.

SACRAMENTO, Calif.—E. R. Arm-

strong (Capitol Nursery), Sacramento,

at \$850 awarded contract by county

superintendents to plant lawns at county

hospital grounds.

Plans Being Completed.

HOSPITAL Cost, \$400,000

PALO ALTO, Santa Clara Co., Cal.

On State Highway north of Palm

Drive

Four-story reinforced concrete hos-
pital (100-bed capacity).

Owner—City of Palo Alto.

Architect—Reed & Corlett, Oakland

Bank Bldg., Oakland.

Laundry, heating plant, kitchen and

store rooms will occupy ground floor

with administration offices, dining

rooms and consultation rooms and X-

ray department. Second and third

floors will be devoted to accommoda-

tion of patients in addition to two,

three and four-room wards and 15-

room nursery. Large sun porch will

also be located on second floor. Fourth

floor will be given over to surgery.

Bids will be advertised in about two

weeks.

ATWATER, Merced Co., Cal.—Dr.

W. C. Cotton announces negotiations

under way for new hospital in At-

water to cost \$75,000.

Contract Awarded.

HOSPITAL Cost, \$100,000

CRESCENT CITY, Del Norte Co., Cal.

Ocean Shore Drive at Battery Pl.

Two-story 20-bed reinforced concrete

class C hospital building, 70x150

feet.

Owner—G. O. Knapp, Crescent City.

Architect—Martin Sheldon, 950 Mo-

nadnock Bldg., San Francisco.

Consulting Architect—Carleton Win-

slow.

Contractor—Mercer-Fraser Co., Eu-

reka.

The only other bid was submitted

by Richard Hansen, Crescent City, at

\$35,710, and contract was previously

reported as being awarded to him.

The X-ray equipment contract has

been awarded to the Bush Electric

Corp., 909 Hyde St., San Francisco.

LOS ANGELES, Cal.—C. C. Moore

& Co., at \$12,837 submitted low infor-

mal bid to State Department of Pub-

lic Works, Division of Architecture,

Sacramento, to furnish and install

water tube boiler and accessories at

the Pacific Colony. Complete list of

bids follows:

C. C. Moore & Co.....\$12,837

R. G. Meyer Corp.....13,970

H. S. Tittle Co.....21,000

Taken under advisement.

Preparing Plans.

HOSPITAL Cost, \$500,000

LOS ANGELES, Cal. County Farm.

Two-story reinforced concrete hos-

pital (200x240 feet).

Owner—County of Los Angeles.

Architect—Karl Muck Co., Los An-

geles.

Preparing Working Drawings.

HOSPITAL Cost, \$200,000

OAKLAND, Alameda Co., Cal. Slope

above Olney Road.

Hospital building (height and type of

construction not determined).

Owner—Mills College, Oakland.

Architect—W. H. Ratcliff, Jr., Cham-

ber of Commerce Bldg., Oakland.

The structure will include private

rooms and wards, a diet kitchen, iso-

lation wards and quarters for physi-

cians and nurses.

Proposed building will be construct-

ed in connection with \$2,000,000 build-

ing program. Plans will be ready for

bids in about two weeks.

Plans Being Prepared.

HOSPITAL Cost, \$40,000

YUBA CITY, Sutter Co., Cal. In the

vicinity of Plumas St.

One-story fireproof (40-bed) hospital

110 by 104-ft.

Owner—Yuba City Emergency Hos-

pital, O. D. Slater, manager.

Architect—Homer C. Fraitt, 4645 T St.,

Sacramento.

GARBerville, Humboldt Co., Cal.

—A. R. Borne, airport owner and man-

ager, formerly of Los Angeles, has

purchased a 1300-acre site and plans

early construction of a rustic type

hotel. A golf course and probably an

airport will be included in the im-

provements.

Plans Completed—Excavation Started

HOTEL Cost, \$150,000

RENO, Nevada. 151 Sierra St.

Four-story fireproof hotel and stores

(90 rooms with private baths).

Owner—Bareng Bros., Reno, Nev.

Architect—F. J. DeLongchamps, Ga-

zette Bldg., Reno.

Plans Being Figured.

ADDITION Cost, \$—

RIVERSIDE, Cal. Mission Inn.

Class A steel frame addition to hotel.

Owner—Frank A. Miller, Riverside.

Architect—G. Stanley Wilson, 3646 W.

Ninth St., Riverside.

Contract Awarded.

ALTERATIONS Cost, \$7000

SAN FRANCISCO. N California St.

E Mason St.

Alterations to players club.

Owner—Fairmont Hotel Co., Fairmont

Hotel.

Architect—L. C. Mulgardt, 641 Post St.

Contractor—G. P. W. Jensen, 320 Mar-

ket St.

POWER PLANTS

GLENDALE, Los Angeles Co., Cal.

—Until 10 A. M., April 10, bids will

be received by Glendale city council

for following: (1) one outdoor trans-

former substation, 52x62-ft.; (2) one

60-cell, 240-ampere hour, sealed cell,

lead-acid storage battery complete;

(3) one single-tier rack for battery.

Bidders shall furnish drawings, spe-

cifications and delivery dates of ma-

terials. G. E. Chapman, city clerk.

LOS ANGELES, Cal.—Until 2 P. M.,

April 14, bids will be received by the

county supervisors for two 500 h. p.

water tube boilers for the power

house) at the General Hospital. Plans

are on file at the office of Miss Mame

B. Beatty, 303 Hall of Records.

OAKLAND, Calif.—Allis - Chalmers

Mfg. Co. Riata Bldg., San Francisco,

at \$5,925 awarded contract by East

Bay Municipal Utility District to fur-

nish and install transformer equip-

ment in district pumping plants.

LOS ANGELES, Calif.—Until 10 A.

M., April 10, bids will be received by

the city purchasing agent, Thomas

Oughton, 107 City Hall, for 40,000 ft.

lead covered cable under Spec. No.

2053. All bids previously received un-

der Spec. 2034 were rejected.

MODESTO, Stanislaus Co., Calif.—

Pacific Tel. & Tel. Co. will spend \$20,-

000 in the construction of an 11-mile

suburban line from Turlock to Stev-

inson colony. Will involve 354 poles

south of Turlock along Lander Ave.

to connect with present Stevenson Col-

ony system.

PUBLIC BUILDINGS. FIRE

HOUSES AND JAILS

Plans Being Completed.

JAIL, ETC. Cost, \$150,000

VENTURA, Ventura Co., Cal.

Three-story reinforced concrete jail

and offices.

Owner—County of Ventura.

Architect—Harold E. Burket, 455 E.

Main St., Ventura.

Site is now being excavated and

bids will be called for in April.

Plans Being Figured—Bids Close April 21, 11 A. M.
LIBRARY Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.
Almshouse Road (at County Almshouse).

One-story concrete library.
Owner—County of Santa Clara, Henry A. Pfister, County Clerk.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.
Certified check 10% payable to clerk required with bid. Plans on file in office of clerk and obtainable from the architect.

Completing Plans.
COURTHOUSE Cost, \$300,000
BISBEE, Arizona.
Four-story fireproof courthouse and jail with copper roof.
Owner—County of Cochise.
Architect—Roy Place, 79 N. Stone Ave., Tucson, Arizona.

Call for bids for the construction of the building will not be issued until litigation, questioning the legality of erecting the building in Bisbee, has been settled.

RIVERSIDE, Cal.—Riverside county supervisors rejected all bids received on March 24 for addition to county courthouse in Riverside and will probably set date for receiving new bids April 7. Specifications will be modified, but no changes made to plans. Probable changes include the elimination of steel window frames, substituting oak interior trim for marble and the omission of ornamentation. It is possible that building will be constructed of reinforced concrete instead of structural steel. G. S. Wilson, architect, 3646 W 9th St., Riverside.

Planned.
CITY HALL Cost, \$1,100,000
BEVERLY HILLS, Los Angeles Co., Cal.
Santa Monica Blvd.
City Hall.
Owner—City of Beverly Hills.
Architect—Not Selected.
Election will be held shortly to vote bonds to finance construction.

BAKERSFIELD, Kern Co., Calif.—Proposal to install a cooling system in the Kern county courthouse has been abandoned by the county supervisors due to lack of funds. The system was estimated to cost \$30,000, including changes in the heating system. Funds, however, will probably be provided in the 1931 budget to finance the work.

Bids Opened—Contract Awarded.
ALTERATIONS Cont. Price, \$29,680
ARCATA, Humboldt Co., Cal.
Alterations and additions for city hall
Owner—City of Arcata.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Chas. Bloomquist, Arcata
Following is a complete list of bids:
Chas. Bloomquist, Arcata.....\$29,680
Frank Johnson, Arcata.....30,682
Oliver S. Almie, S. F.....31,629
George S. Hutnin, Arcata.....31,972
F. J. Maurer & Son, Eureka.....33,246

LOS ANGELES, Cal.—Architects J. C. Austin and F. M. Ashley, 608 Chamber of Commerce Bldg., commissioned by California Department of Public Works to prepare plans for new office building at NW corner of First and Spring Sts. by State of California. Architects are working on preliminary sketches for structure and upon approval of sketches working drawings will be completed as soon as possible in order that construction may be started. Site will be purchased by County of Los Angeles and donated to State. New building will be height-

limit, class A structure; \$1,250,000 available.

RESIDENCES

Plans Being Figured.
RESIDENCE Cost, \$25,000
SAN FRANCISCO, Filbert St., bet. Pierce and Scott Sts.
Two-story and basement frame and stucco residence (9 rooms).
Owner—Mrs. G. Bacigalupi.
Architect—Powers & Ahnden, 605 Market St., San Francisco.

Bids Opened—Held Under Advisement
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal.
Luis Road.
Two-story English type frame and stucco residence (8 rooms).
Owner—Harry Mulvaney.
Architect—Sidney B. Noble and Archie T. Newsum, Federal Realty Bldg., Oakland.

Plans Being Figured—Bids Close Apr. 8
RESIDENCE Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
Two-story frame and stucco residence
Owner—A. C. Webbe.
Architect—Sidney B. Noble and Archie T. Newsum, Federal Realty Bldg., Oakland.
Bids are being taken for a general contract.

LODI, San Joaquin Co., Cal.—Cary Bros., Lodi, awarded contract by the Cone sisters to erect four one-story frame and plaster bungalows in connection with auto camp grounds at Cherokee Lane and Vine St. Each building will be 22 by 30 -ft. Estimated cost \$10,000.

STOCKTON, San Joaquin Co., Cal.—Until April 21, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to erect Ferry Tender's House at Middle River on the Lower Jones Tract. Plans by Julius Manthey, county surveyor. Certified check or bond 10% payable to Chairman of the Board of Supervisors required with bid. Plans on file in office of clerk.

Completing Plans.
RESIDENCE Cost, \$50,000
PIEDMONT, Alameda Co., Cal.
Alpine Road.
Two-story frame and brick veneer residence (18 rooms).
Owner—J. C. Witter.
Architect—Williams & Wastell, 374 17th St., Oakland.
Bids will be taken in about 10 days.

Sub-Contracts Awarded.
ADDITION Cost, \$21,477
ATHERTON, San Mateo Co., Cal.
Isabella Ave.
Addition to residence.
Owner—C. F. Michaels, premises.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Screens—Wisnom Lumber Co., San Mateo.
Interior Tile—T. T. Tanner, Palo Alto.
Wiring—C. A. Coryell, Palo Alto.
Plumbing and Heating—H. P. Hansen, Palo Alto.
Plastering—H. McKenna, Palo Alto.
Painting—Fred Sinz, Mt. View.
Glass—Coast Glass Co., Palo Alto.
Mill Work—Pacific Mfg. Co., Santa Clara.
Ornamental Iron—H. Bleibler, Palo Alto.
Sheet Metal—Stanford Sheet Metal Co., Palo Alto.
Mantels—McGillvray - Raymond Co., 3 Potrero Ave., San Francisco.
Brick Work—Geo. MacLachlan, Palo Alto.
J. M. Shingles—Malott and Peterson, San Mateo.
Weather Strip—Chamberlain Metal Weather Strip Co., 247 Minna St., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$7,000
SUNNYVALE, Santa Clara Co., Cal.
One-story and basement frame and stucco residence (6 rooms and garage).
Owner—N. Borillo.
Architect Chas. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—John Giotto, San Jose.

Plans Being Prepared—Contract Awarded.
ALTERATIONS Cost, \$60,000
HILLSBOROUGH, San Mateo Co., Cal.
Alterations and additions to present residence.
Owner—George Hearst.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—Chas. Stockholm & Sons, Russ Bldg., San Francisco.
Previously reported as being located in Burlingame, which was in error.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$20,000
NEAR SAN RAFAEL, Marin Co., Cal.
Two-story frame and stucco residence
Owner—Withheld.
Architect—William Garren, Franklin Bldg., Oakland.

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Sub-Bids Being Taken.
RESIDENCES Cost, \$12,500
SAN MATEO, San Mateo Co., Cal.
Bellevue Avenue.
Two two-story frame and stucco residences.
Owner and Builder—Ernest Johnson, 235 Clark Dr., San Mateo.
Architect—Ed. Musson Sharp, 525 Market St., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$—
PETALUMA, Sonoma Co., Cal. Tenth and D Streets.
Two-story frame and stucco residence (15 rooms).
Owner—C. N. Behrnes.
Architect—Don Uhl, 7024 Melrose Ave. Los Angeles.
Contractor—A. M. Seeborg, 637 E St., Petaluma.
Contractor is taking interior tile bids.

Contract Awarded.
RESIDENCE Cost, \$10,000
WATSONVILLE, Santa Cruz Co., Cal.
Brewington Sub-division.
One-story and attic frame and stucco residence (8 rooms).
Owner—L. R. Johnson, Watsonville.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor—C. S. Putman, 71 Elm St., Santa Cruz.

Contract Awarded.
ALTERATIONS Cost, \$8,000
SAN FRANCISCO, 22 22nd Ave.
Alterations and additions to present two-story frame and stucco residence.
Owner—Wilson Meyer, premises.
Architects—G. F. Ashley and Albert Evers, 525 Market St.
Contractor—H. H. Larsen, 64 South Park.
Previously reported as being awarded to J. S. Sampson.

Plans Being Prepared.
ALTERATIONS Cost, \$5060
MADERA, Madera Co., Cal.
Remodel residence.
Owner—Dr. P. P. Dearborn.
Architect—Swartz & Ryland, Brix Bldg., Fresno.

Plans Being Prepared.
RESIDENCE Cost, \$6000
SALINAS, Monterey Co., Cal.
One-story frame and stucco residence with tile roof (5 rooms).
Owner—A. W. Marschik, Salinas.
Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Brix Bldg., Fresno.

Preparing Plans.
BUNGALOW COURT
Cost approx. \$45,000
SAN CARLOS, San Mateo Co., Cal.
One-story frame and stucco bungalow court (all modern conveniences).
Owner—Robert A. Klassen, 154 Arch St., Redwood City.
Architect—Edwards and Schary, 605 Market St., San Francisco.
Work will be done by day's labor.

Plans Being Completed.
RESIDENCE Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
Two-story frame and stucco residence.
Owner—A. C. Webbe.
Architect—Sidney, Noble and Archie Newsom, Federal Realty Bldg., Oakland.
General bids will be taken shortly.

SAN JOSE, Santa Clara Co., Calif.
—Hotel Vendome of San Jose will be razed and the new owners of the property propose to sub-divide the 11-acre site into a residential tract. J.

Bradley Clayton, vice-president of the First National Bank and vice-president of James A. Clayton & Co., local real estate firm, heads the purchasing syndicate which will finance the project.

Low Bidder.
RESIDENCE Cost, \$20,000
NORTH BERKELEY, Alameda Co.
Two-story frame and stucco English type residence (12 rooms).
Owner—Dr. Donald.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Low Bidder—Walter Sorensen, 2940 Piedmont Ave., Berkeley.

Sub-Bids Wanted.
RESIDENCE Cost, \$25,000
SAN FRANCISCO, Marina Blvd.
Two-story frame and stucco residence (9 rooms).
Owner—Mrs. R. L. Gump, 1450 Greenwich St., San Francisco.
Plans by Ben Davis, % S. & G. Gump Co., 246 Post St., San Francisco.
Contractor—John Widney, 450 Fell St., San Francisco.
Sub-bids are wanted on all portions of the work.

Contract Awarded.
RESIDENCE Cost, \$7,522.35
SAN JOSE, Santa Clara Co., Cal. W 9th St. N Julian.
One-story frame and stucco residence.
Owners—G. and L. Arient, 349 9th St., San Jose.
Architect—Wolfe & Higgins, 19 N 2nd St., San Jose.
Contractor—G. Leone, 497 N 17th St., San Jose.

Contract Awarded.
RESIDENCE Cost, \$30,000
OAKLAND, Alameda Co., Cal. King and La Salle Sts.
Two-story frame and stucco residence.
Owner—A. S. Weaver, San Leandro.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Contractor—Alex Wieben, 337 17th St. Oakland.
Sub-contracs will be awarded shortly.

Sub-Figures Being Taken.
RESIDENCE Cost, \$10,000
REDWOOD CITY, San Mateo Co., Cal. Arlington Road.
Two-story and basement frame and stucco residence (7 rooms).
Owner and Builder—Chas. F. Magne, Belmont.
Plans by Owner.

New Bids Being Taken.
RESIDENCE Cost, \$20,000
SAN FRANCISCO, Forest Hill.
Two-story and basement frame and stucco residence (10 rooms).
Owner—W. E. Schoppe, 3310 Geary St., San Francisco.

Architect—Harold Stoner, 1431 Burlingame Ave., Burlingame.
Contract was previously reported as being awarded to Henry Papenhansen, 595 Victoria St., San Francisco, which was in error. All bids previously received ran too high and new bids are now being taken.

Sub-Figures Being Taken.
RESIDENCE Cost, \$30,000
HILLSBOROUGH, San Mateo Co., Calif. Parkside Ave.
Two-story and basement frame and stucco residence.
Owner—Countess von Wurmbbrand.
Architect—Ed. M. Sharp, 525 Market St., San Francisco.
Contractor—Oswald & Rucker, Mills Bldg., San Francisco.

Preparing Plans.
RESIDENCE Cost, \$30,000
PEBBLE BEACH, Monterey Co., Cal.
One-story frame and stucco residence.
Owner—Thomas Teller.
Architect—W. E. Schirmer, 700 21st St., Oakland.
Bids will be taken about May 1.

Contract Awarded.
RESIDENCE Cost, \$11,000
DEL MONTE, Monterey Co., Cal.
Two-story frame and stucco residence.
Owner—A. Thompson.
Architect—Wm. Ralguel, Hotel Del Monte, Del Monte.
Contractor—Miles Bain, Carmel.

Owner Taking Bids.
RESIDENCE Cost, \$18,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
Two-story reinforced concrete residence.
Owner and Builder—J. F. Knapp, Emeryville.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Plans Being Figured.
RESIDENCES Cost, \$15,000 each
HILLSBOROUGH, San Mateo Co.
Two two-story and basement frame and stucco residences (9 rooms each).
Owner—Boris Kitchen, Hillsborough Drive, Hillsborough.
Architect—Gardner Dailey, 425 Mason St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. Glen Udon District.
Two-story frame and stucco residence.
Owner—George Osen, 199 S-14th St., San Jose.
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.

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SCHOOLS

Preparing Working Drawings.

ADDITION Cost, \$70,000
PACIFIC GROVE, Monterey Co., Cal.
 Seven-classroom and auditorium addition to high school.

Owner—Pacific Grove High School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco.

Plans will be ready for bids in three or four weeks.

SAN MATEO, San Mateo Co., Cal.
 —Until April 17, 8 P. M., bids will be received by Wm. H. Taylor, clerk, San Mateo High School District, for planting material at high school grounds. Specifications obtainable from Superintendent of Schools at San Mateo.

Contract Awarded.

SCHOOL Cost, \$19,000
BERKELEY, Alameda County, Calif.
 Scenic and Hearst Site.

Two-story frame and stucco school.
 Owner—St. Margaret's Haste, 2629 Haste St., Berkeley.

Architect—W. H. Ratcliff, Jr., Chamber of Commerce Bldg., Berkeley.

Contractor—Chas. H. McCullough, 1634 Berkeley Way, Berkeley.

Bids Opened.

SCHOOL Cost 1st unit, \$50,000
SANTA CRUZ, Santa Cruz Co., Cal.
 Laveaga Park.

Two-story frame and stucco Mission type school (6 classrooms, offices, etc., 58x160-ft.)

Owner—Society of Mary.

Plans by L. D. Eddy, Alta Bldg., Santa Cruz.

Low Bidder—Palmer and Balsinger, Santa Cruz.

Following is a complete list of the bids:

Palmer & Balsinger, Santa Cruz \$31,974

David Machaud \$32,091

Wilson & McGranahan, Santa Cruz 32,984

C. M. Doane, Santa Cruz 34,890

William Frisen 35,177

Hamilton & Church, Santa Cruz 36,474

Wm. Vesley, Santa Cruz 36,845

Bids held under advisement.

Plans Being Figured—Bids Close Apr. 8th.

CONVENT Cost, \$50,000
SAN FRANCISCO, Twenty-third Ave. and Geary St.

Three-story reinforced concrete convent.

Owner—Roman Catholic Archbishop 1100 Franklin St.

Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts.

Preparing Working Drawings.

SCHOOL Cost, \$350,000
SAN JOSE, Santa Clara Co., Cal.

Two-story reinforced concrete school.

Owner—San Jose Board of Education

Architect—J. J. Donovan, 1916 Broadway, Oakland.

Plans will be ready for bids in 3 or 4 weeks.

MARTINEZ, Contra Costa Co., Cal.

—L. W. Hesse, Merced at 25c per cu. yard, awarded contract by Alhambra

Union High School District, to grade school site for Martinez Junior High

school in the Brown Tract. Approximately 11,000 cu. yds. involved.

BURLINGAME, San Mateo Co., Cal.

—J. J. Groden & Co., general contractors, 1028 San Antonio St., Alameda, is taking sub-bids until April

2 in connection with the general contract for the concrete grammar school to be erected for the Burlingame Elementary School District in Burlingame, on which bids are to be opened

April 14, 7:30 P. M. Plans prepared by

Architect W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose. Cost, \$55,000.

LIVERMORE, Alameda Co., Cal.—Until April 12, 10:30 A. M., bids will be received by C. W. Mack, secretary, Livermore Union High School District, to furnish and place linoleum in new Livermore high school. Specifications on file in office of the principal at the high school.

MARTINEZ, Contra Costa Co., Cal.—Until April 15, bids will be received by William H. Hanlon, county superintendent of schools, to furnish and deliver standard school supplies for the fiscal year beginning July 1, 1930, and ending June 30, 1931. Specifications obtainable from above.

Preparing Plans.

AUDITORIUM Cost, \$125,000
PASADENA, Los Angeles Co., Cal.

John Muir Technical High School Site.

Reinforced concrete auditorium (seating capacity 1200).

Owner—Pasadena Board of Education

Architect—Bennett & Haskell, 311 First Trust Bldg., Pasadena.

Plans Being Prepared.

CLAREMONT, Los Angeles Co., Cal.

HALL OF JUSTICE Cost, \$650,000

Reinforced concrete & steel "Bridges Hall of Justice" (seating capacity 2500).

Owner—Claremont College, Claremont

Architect—William Templeton Johnson, San Diego Trust & Savings

Bank Bldg., San Diego.

Contracts Awarded.

SCHOOL Cost, \$140,500
TUCSON, Arizona. East Sixth St.

Two-story concrete and steel Junior High School.

Owner—Tucson Junior High School District.

Architect—Roy A. Place, Tucson.

Low Bidder—Jay J. Garfield, Tucson.

Plumbing and Heating—J. Knox Corber, Tucson, at \$15,831.

Preliminary Plans Complete.

SCHOOL \$160,000
 (Bonds voted to finance)

SANTA CRUZ, Santa Cruz Co., Cal.

Two-story reinforced concrete Mission type high school.

Owner—Santa Cruz School District.

Architect—J. J. Donovan, 1916 Broadway, Oakland.

Plans Completed

CHEMISTRY BLDG. Cost, \$150,000
RIVERSIDE, Cal. University of California

Experimental Station.

Insectary building and chemistry building (reinforced concrete construction).

Owner—University of California Experimental Station.

Architect—G. Stanley Wilson, 3646 W. Ninth St., Riverside.

Bids will be called for within a few days.

Sub-Contracts Awarded.

SCHOOL Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.

One-story frame and stucco school for boys.

Owner—Mrs. Grace Douglas, Pebble Beach.

Architect—Wm. Raiguel, Hotel Del Monte, Del Monte.

Contractor—Meese & Briggs, 1425 Broadway, Burlingame.

Mill Work—Work Lumber Co., Monterey.

Steel Sash—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.

Plastering—Eckett Co.

SPADRA, Los Angeles Co., Cal.—C. C. Moore & Co., at \$13,420 submitted lowest informal bid to the State Department of Public Works, Division of Architecture, Sacramento, to furnish and install water tube boiler and accessories in Whittier State School. Complete list of bids follow:

C. C. Moore Co. \$13,420

R. G. Meyler Corp. 14,330

H. S. Tittle Co. 23,350

Taken under advisement.

Contract Awarded.

SCHOOL Cost, price, \$30,400
KELSEYVILLE, Lake Co., Calif.

One-story reinforced concrete high school (125 pupils) with combination gymnasium and auditorium.

Owner—Kelseyville Union High School District.

Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.

Contractor—Petaluma Const. Co., Petaluma.

Bonds Voted—Plans To Be Prepared.

SCHOOLS Cost, \$350,000
SANTA BARBARA, Santa Barbara Co., Cal.

Two grammar schools.

Owner—City of Santa Barbara.

Architect will be selected April 8.

Bonds Voted—Plans Being Prepared.

SCHOOL Cost, \$600,000
SANTA BARBARA, Cal.

Junior High School.

Owner—City of Santa Barbara.

Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736

Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Plans Approved.

SCHOOLS Cost, \$200,000
LOS ANGELES, Cal. Owensmouth

High School Site.

Two two-story Class C high schools (60x150 ft. and 60x225 ft.)

Owner—Los Angeles Board of Education.

Architect—A. S. Nibecker Jr., Los Angeles.

Plans Being Completed.

SCHOOL Cost, \$45,000
GRIMES, Colusa Co., Cal.

Four-classroom, auditorium & kitchen grammar school.

Owner—Grand Island Union Grammar School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco.

Bids will be called for in about two weeks.

BANKS, STORES & OFFICES

Contract Awarded.

OFFICE, ETC. Cost, \$20,000
BERKELEY, Alameda Co., Cal. Solano Avenue.

Two-story brick building (restaurant, office and 1 6-room apt.)

Owner—George Knight.

Architect—H. K. Barges, 1611 Posen Ave., Berkeley.

Contractor—Emil Finner, 829 San Luis Road, Berkeley.

As soon as financing arrangements are completed construction will start.

Contract Awarded.

ADDITION Cost, \$650,000
LOS ANGELES, Cal. No. 629 Spring Street.

Twelve-story and basement Class A steel frame and concrete addition to offices (50x154 feet).

Owner—Harry J. Bauer.

Architect—John and Donald Parkinson, Title Insurance Bldg., Los Angeles.

Contractor—P. J. Walker Co., W. M. Garland Bldg., Los Angeles.

Contract Awarded.
STORE Cost, \$10,000
SAN MATEO, San Mateo Co., Cal.
 One-story reinforced concrete store building.
 Owner—J. Lacsamana.
 Plans by Russell Coleman, 1404 Broadway, Burlingame.
 Contractor—George Williams Co., 1404 Broadway, Burlingame.

Plans Being Prepared.
STORES Cost, \$15,000
GONZALES, Monterey Co., Cal.
 One-story frame and stucco store (2 stores).
 Owner—Mr. Tavernetti, Gonzales.
 Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Brix Bldg., Fresno.

Contract Awarded—Sub-Bldgs Being Taken
STORES Cost, \$—
SAN MATEO, San Mateo Co., Cal.
 Two one-story reinforced concrete (5) stores.
 Owner—Martin Stelling, 155 Montgomery St., San Francisco.
 Architect—Betz, Winter & Maury, 210 Post St., San Francisco.
 Contractor—Young & Horstmeier, Sheldon Bldg., San Francisco.

Contract Awarded.
REMODELING Cost, \$15,000
SAN FRANCISCO. No. 111 O'Farrell Street.
 Remodel present store.
 Owner—Kohler & Chase, Premises.
 Architect—F. H. Meyer, 525 Market St., San Francisco.
 Contractor—Clinton-Stephenson Construction Co., Monadnock Bldg., San Francisco.

Preliminary Plans Being Prepared.
ADDITION Cost, \$600,000
RENO, Nevada. Second and Virginia Streets.
 Fourteen-story (wing addition) steel frame and reinforced concrete bank and offices.
 Owner—George Wingfield, Reno.
 Architect—F. J. DeLongchamps, Gazette Bldg., Reno.
 The structure will consist of a wing addition to the present plant of the Reno National Bank. Will have steel frame, reinforced concrete floors, brick walls faced with terra cotta. Hollow tile partitions; metal sash; 2 high-speed elevators.

Contract Awarded.
STORES Cost, \$114,867
SEATTLE, Wash. Fourth Ave. and Pine St.
 Two-story class A 113x30-ft. stores and offices.
 Owner—United Pine Center Corp.
 Architect—John Graham, Dexter Horton Bldg., Seattle.
 Contractor—Chrisman & Snyder, Smith Tower Bldg., Seattle.
Plumbing and Heating—Awarded to
 Universal Plumbing & Heating Co.
 3339 University Way, Seattle, \$21,898.
Sprinkler System—Northwest Sprinkler Co., at \$2,476.
Electric Work—Meacham & Babcock, Seattle, \$6,685.

Plans To Be Prepared.
BANK Cost, \$—
SOQUEL, Santa Cruz Co., Cal.
 Modern bank.
 Owner—Citizens Commercial Savings Bank, Soquel.
 Architect—Edwards and Schary, 605 Market St., San Francisco.
 Directors of the bank are: Mr. Morgan, Lowell Vetterlie and E. C. Blanchard of Capitola; Joseph Young of Soquel, Ralph D. Matthews of Aptos and H. A. Wright of Santa Cruz.

Plans Being Figured By Selected List Of Contractors.
STORE Cost, \$150,000
OAKLAND, Alameda Co., Cal. 20th St. and Broadway.
 Three-story Class A store.
 Owner—I. Magnin & Co., Grant Ave. and Geary St., San Francisco.
 Architect—Weeks & Day, Financial Center Bldg., San Francisco.

Contract Awarded.
OFFICES Cost, Appx. \$50,000
FAIRFIELD, Solano Co., Cal.
 Three-story modern office building (100x50 ft.)
 Owner—E. L. Dearborn, Fairfield.
 Architect—Coffman, Sahlgren & Stafford, Forum Bldg., Sacramento; 3529 Emerson St., Oakland.
 Contractor—Frank H. Cress, 628 Excelsior Ave., Oakland.

Contract Awarded—Sub-Bids Wanted
STORE Cost, \$200,000
STOCKTON, San Joaquin Co., Cal.
 Three-story reinforced concrete store building.
 Owner—S. H. Kress Dept. Store, 621 S-Broadway, Los Angeles.
 Architect—John H. Fleming, Los Angeles.
 Contractor—J. S. Metzger & Son, 332 W-Jefferson St., Los Angeles.
 Mr. Donald E. Metzger will be at the Sutter Hotel, San Francisco, March 21st and April 1st, to interview material men and sub-contractors.

Contract Awarded—Sub-Bids Being Taken.
STORE Cost, \$100,000
OAKLAND, Alameda Co., Cal. W Broadway, bet. 17th and 19th Sts.
 Four-story Class A reinforced concrete store building.
 Owner—"Money Back" Smith, 12th & Washington Sts., Oakland.
 Architect—Eng. Dept. of Lessee.
 Lessee—F. W. Woolworth Co., Financial Center Bldg., San Francisco.
 Contractor—MacDonald & Kahn Co., Financial Center Bldg., S. F.
 It is expected to start construction about April 15th.

Segregated Bids To Be Taken In Two Weeks.
BANK Cost, \$250,000
KLAMATH FALLS, Oregon. Sixth and Main Streets.
 Two-story and basement Class A bank and (18) offices.
 Owner—First National Bank.
 Architect—H. H. Winner & Co., 580 Market St., San Francisco.

WATSONVILLE, Santa Cruz Co., Calif.—F. W. Woolworth Co. has acquired additional stores adjoining the present building and will remodel the quarters in addition to constructing a one-story annex at the rear of the present structure. It is proposed to have the work completed June 1. Ray Beck is manager at Watsonville for the Woolworth Co.

Contract Awarded
STORE Cost, \$—
LOS ANGELES, Cal. No. 629-33 S. Hill St.
 Twelve-story and basement Class A steel frame store and offices (60x150 ft.)
 Owner—Sun Realty & Finance Co.
 Architect—Claud Beelman, 1019 Union Bank Bldg., Los Angeles.
 Contractor—Herbert M. Baruch Corp., 1015 Lincoln Bldg., Las Angeles.

Plans Being Prepared.
STORES Cost, \$—
FERNDALE, Humboldt Co., Cal.
 One-story (5) stores, 65x147-ft.
 Owner—Kemp Interests.
 Architect—Newton Ackerman, 102 W 4th St., Eureka.

Preparing Plans.
STORE & OFFICES Cost, \$—
LOS ANGELES, Cal. West of Figueroa St., Bet. Fifth and Sixth Sts.
 Thirteenth-story and basement Class A store and offices (120x165 ft.)
 Owner—Frank Good and Associates
 Architect—Walker & Eisen, Western Pacific Bldg., Los Angeles.

Plans To Be Prepared.
BUILDING Cost, \$10,000,000
SAN FRANCISCO. Location not selected.
 Thirty-eight-story class A mercantile building.
 Owner—Merchandise Mart Co., Inc., represented by E. H. Foster, care Jos. H. Rucker Co., 255 Mills Bldg.
 Architect—Not Given.

Sub-Contracts Awarded.
SHOP BLDGS. Cost, \$25,000
PALO ALTO, Santa Clara Co., Ca.
 Group of eight or ten frame and stucco shop buildings.
 Owner—California Allied Arts, Inc.
 Architect—Girdner Dalley, 425 Mason St., San Francisco.
 Contractor—Mess & Briggs, 1425 Broadway, Burlingame.
Lumber—Merner Lumber Co., Palo Alto.
Plumbing—P. E. Brand, Palo Alto.
Mill Work—Progress Lumber Co., Redwood City.

Plans Being Prepared.
STORE Cost, \$—
SAN FRANCISCO. Twenty-second & Guerrero Streets.
 One-story frame and stucco store.
 Owner—Public Food Stores.
 Architect—O. A. Deichman, 110 Sutter St., San Francisco.

Contract Awarded.
STORE Cost, \$6000
KING CITY, Monterey Co., Cal.
 One-story reinforced concrete store.
 Owner—Mr. Hables.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
 Contractor—Fred McCrary, 506 Fremont St., Monterey.
 Construction will start April 3rd.

Contract Awarded.
STORES Cost, \$—
FAIRFIELD, Solano Co., Cal. Texas Street.
 One-story reinforced concrete (2) store building (35x30-ft.)
 Owner—R. C. McInnis, Fairfield.
 Architect—C. E. Perry, Fairfield.
 Contractor—Karl F. Koller, Crockett.
 Other bidders were: F. H. Cress, W. B. Fields, L. J. Klingsell, W. L. Chatterton and George Barenchi.

Plans Being Prepared.
OFFICES Cost, \$25,000
BERKELEY, Alameda Co., Cal. Shattuck Ave. near Center St.
 One-story brick and terra cotta offices (41 ft. frontage).
 Owner—Pacific States Savings & Loan Association.
 Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.

Sub-Contracts Awarded.
STORE Cost, \$200,000
STOCKTON, San Joaquin Co., Cal.
 Three-story reinforced concrete store building.
 Owner—S. H. Kress Dept. Store, 621 S Broadway, Los Angeles.
 Architect—John H. Fleming, Los Angeles.
 Contractor—J. S. Metzger & Son, 332 W Jefferson St., Los Angeles.
Reinforcing Steel—Pacific Coast Steel Co., 111 Sutter St., San Francisco.
Dumb Waiter—L. H. Price, 683 Howard St., San Francisco.
Painting—D. E. Burgess, 602 S Center St., Stockton.

THEATRES

Commissioned To Prepare Plans.
THEATRE Cost, \$250,000
POMONA, San Angeles Co., Cal. Third and Garey Sts.

Two-story class A reinf. concrete theatre (105x190-ft.; to seat 2,000).
 Owner—Fox-West Coast Theatres Inc.
 Architect—Balch and Stanbery, Film Exchange Bldg., Los Angeles.

Preliminary Plans Being Prepared.
ALTERATIONS Cost, \$35,000
HOLLISTER, San Benito Co., Cal.
 Alterations and additions to theatre.
 Owner—Withheld.
 Architect—Clausen & Amandes, Hearst Bldg., San Francisco.
 Contractor—Alfred Hopper, 1769 Pleasant Ave., Oakland.

Completing Plans.
THEATRE Cost, \$—
HUNTINGTON PARK, Los Angeles Co., Cal.
 Class A theatre and stores (114x150 ft.) (to seat 2000).
 Owner—Warner Bros. Pacific States Theatres, Maurice A. Silver, Mgr.
 Architect—B. Marcus Priteca, Warner Bros. Downtown Theatre Bldg., Los Angeles.

Working Drawings Being Prepared.
THEATRE Cost, \$1,000,000
LOS ANGELES, Cal. SE Wilshire Blvd. and Western Ave.

Three-story reinforced concrete Class A theatre and commercial building (300x220 ft.) (theatre to seat 1600)
 Owner—Serrano Corporation, Los Angeles.
 Architect—Morgan, Walls & Clements, 1134 Van Nuys Bldg., and G. Albert Lansburgh, 937 Consolidated Bldg., Los Angeles, associated.

Preparing Working Drawings.
THEATRE Cost, \$250,000
SAN FRANCISCO, Ocean Ave. bet. Fairfield and Lakewood Aves.
 Class A steel frame and reinforced concrete theatre and (6-8) stores; theatre seating 1,800.
 Owner—Samuel Levine.
 Architect—Miller & Flueger, 580 Market St.

Structure will have a seating capacity of 1,800 and will contain six or eight stores. It will have a frontage of 182 ft. on Ocean Ave.

VALLEJO, Solano Co., Calif.—Fox Theatre suffers fire loss March 23, the loss roughly estimated at \$45,000 covered by insurance. Reconstruction will be started at once.

SANTA BARBARA, Cal.—It is reported that certain theater interests are negotiating for Arlington hotel property to be used as site for theatre, store and offices.
 (6500)

WHARVES AND DOCKS

PEARL HARBOR, T. H.—See "Government Work and Supplies," this issue. Contract awarded for reinforced concrete pier, quays and bulkhead at Naval Operating Base.

PASADENA, Los Angeles Co., Cal.—Engineering department of City of Pasadena completed plans for one-story building at City Farm to house two sludge dryers of sewage disposal Department. Shed will be 190 feet long, 46 feet in width at one end and 78 feet at other. Construction will be steel frame, corrugated iron roof and sides.

Contract Awarded.
REPAIRS Cost, \$80,000
ALAMEDA, Alameda Co., Cal. Encinal Terminals, Foot of Jay St.
 Repair fire damage to wharf (wood structure).
 Owner—Alaska Packers Co., Inc. San Francisco.
 Plans by Owner.
 Contractor—A. W. Kitchen, 110 Market St., San Francisco.

MISCELLANEOUS CONSTRUCTION

SANGER, Fresno Co., Cal.—City sets May 6 as date to vote bonds of \$25,000 to finance purchase of a site and improvement of same for a municipal airport.

MENLO PARK, San Mateo Co., Cal.—Thermott Const. Co., 580 Stockton Ave., San Jose, at \$16,535 submitted lowest bid to Bear Gulch Water Co. Menlo Park, to construct a reinforced concrete reservoir and appurtenances on property of the company nr. Woodside, San Mateo County.

Following is a complete list of the bids:
 Thermott Const. Co. San Jose.....\$16,653
 Svensen Const. Co., San Jose.....16,844
 Collins & Martin, San Jose.....17,200
 H. K. Henderson, Oakland.....17,455
 Sullivan & Sullivan, Oakland.....17,898
 Wm. Tyson, Redwood City.....18,000
 Sorensen & Haggmark, S. F.....18,499
 John T. Lawlor, San Francisco.....18,595
 M. B. McGowan, S. F.....18,596
 Adam Arras, Oakland.....18,962
 A. Mattson, San Bruno.....19,471
 N. R. Nielsen, San Jose.....19,784
 John Bjorkman, San Francisco.....20,435
 J. W. Morley, Menlo Park.....20,660
 C. M. Bruce & Son, Pleasanton.....21,218
 E. Flenner, Oakland.....21,375
 P. L. Burr, San Francisco.....22,223
 J. W. Cobby & Son, S. F.....24,439
 Frederickson & Watson Const. Co., Oakland.....25,000
 Bids held under advisement until April 8th.

TAFT, Kern Co., Cal.—Until April 14, H. A. M. bids will be received by F. E. Smith, county clerk, to construct concrete tennis court at West Side Park site. Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Plans on file in office of the clerk.

Contract Awarded.
MORTUARY Cost, \$30,000
FRESNO, Fresno Co., Calif. Fresno and A Sts.

One-story reinforced concrete undertaking parlors (chapel, show room, rest rooms, etc.).

Owner—J. H. Nuttman, 502 D Street, Fresno.
 Architect—G. A. Berger, 309 Valencia St., San Francisco.
 Contractor—J. Weyland, 3619 Platt St. Fresno.
 Stucco finish, hardwood floors and all modern conveniences.

KINGSBURG, Fresno Co., Cal.—Until April 7, 8 P. M., bids will be received by C. R. Magnuson, city clerk, to furnish and erect a Neon sign. Specifications on file in office of clerk and obtainable on deposit of \$5, returnable.

LIVERMORE, Alameda Co., Cal.—Until April 12, 10:30 A. M., bids will be received by C. W. Mack, secretary, Livermore Union High School District, to furnish and place linoleum in new Livermore high school. Specifications on file in office of the principal at the high school.
 (6455)

SAN BRUNO, San Mateo Co., Cal.—Until April 23, 8 P. M., bids will be received by Emil A. Bohm, city clerk, to construct and install a chain link wire fence enclosing municipal water system pumping site adjacent to San Felipe Ave. and Huntington Avenue. Certified check 10% required with bid.

Plans Being Prepared.
MEMORIAL TOWER Cost, \$25,000
BOLINAS, Marin Co., Cal. Drake Highway.
 Memorial tower.
 Owner—Sir Francis Drake Asan.
 Architect—W. C. F. Gillam, 1512 Adeline Drive, Burlingame.

FRESNO, Fresno Co., Cal.—Improvements involving an expenditure of \$1,186,000 of which \$300,000 will be spent in Fresno County is announced by C. G. Fluhr, of Fresno, division superintendent for the Atchison, Topeka & Santa Fe Railway Co. The \$300,000 allotment for Fresno County lines covers the remodeling of the Calwa icing plant, including additional tracks and new ice cocks; renewal of the Ventura and Fresno Avenue crossings; installation of additional trackage in the industrial section of East Fresno; and improvement of crossing protection facilities on Blackstone Avenue. Some of the larger items of improvements planned in the valley division extending between Bakersfield and Richmond include a new water-treating plant at Bakersfield; an overpass near Wasco in Kern County, and improvements in the Merced Depot to provide additional facilities for Yosemite Valley tourists. One of the costliest items is the renewal of the present drawbridge with a late-type bascule lift bridge where the railroad's main track, crosses the east portion of the San Joaquin River west of Stockton. In addition to these major improvements to be made this year, there is contemplated the installation of approximately four miles of new passing tracks and replacement of thirty-two miles of track with new and heavier rails.

Preparing Working Drawings.
BATH HOUSE Cost, \$12,000
SACRAMENTO, Sacramento Co., Cal. Robbins Farm Center, Sutter Basin.

Owner—Robbins Farm Center.
 Architect—Dean & Dean, California State Life Bldg., Sacramento.

Plans will be ready for bids in two weeks.

Construction To Start Shortly.
MAUSOLEUM Cost, \$400,000
COMPTON, Los Angeles Co., Cal. Reinforced concrete and marble mausoleum (4000 crypts).
 Owner—Angelus Abbey Mausoleum Co. (Thomas Merrill).
 Architect—Clarence N. Aldrich, Pacific Southwest Bank Bldg., Long Beach.

Contract Awarded.
STAGE CANOPY Cost, \$42,125
SAN FRANCISCO, Municipal Auditorium (Clivic Center).
 Gridiron and canopy for stage.
 Owner—City & County of San Francisco.
 Architect—Bureau of Architecture, 2d floor, City Hall (Chas. H. Sawyer, acting chief).
 Contractor—J. L. Stuart Mfg. Co., 33 Front St., San Francisco.
 In new Livestock Studios, Inc., low bidder at \$26,950 whose bid was irregular, was permitted to withdraw it.

Engineering News Section

BRIDGES

SAN BERNARDINO CO., Cal.—Until April 23, 2 P. M., bids will be received by State Highway Commission to construct bridge across Mojave river 3 miles north of Victorville, consisting of one 270-ft. through steel truss span, five 51-ft. concrete girder spans and one 48-ft. concrete girder span on concrete piers and bents.

See call for bids under official proposal section in this issue.

MODOC COUNTY, Cal.—Until April 23, 2 P. M., bids will be received by State Highway Commission to construct two timber bridges, one across North Fork of Pit river about 3½-mi. NE of Alturas, consisting of seven 19-ft. spans with concrete deck on pile bents and the other across Shields creek channel change about 4 miles NE of Alturas, consisting of three 19-ft. spans with concrete deck on pile bents.

See call for bids under official proposal section in this issue.

OAKLAND, Cal.—County Surveyor George A. Posey preparing plans to reconstruct Bay Farm Island bridge involving rebuilding and widening to handle increased traffic.

SALINAS, Monterey Co., Cal.—M. B. McGowan, Cal. Bldg., San Francisco, at \$26674.29 awarded contract by county supervisors to construct three reinforced concrete bridges, two on the Salinas-Watsonville Highway between Salinas and Castroville and another at Castroville on the Castroville-Monterey Peninsula highway. Complete list of bids follows:

M. B. McGowan	\$26,674
C. Anll	26,932
George R. Dean	28,000
Oakland Harbor Constr. Co.	29,595
E. Nommensen	29,875
C. C. Gildersleeve	29,990
Geo. Ulrich Constr. Co.	34,723

MARIN COUNTY, Cal.—Rocca & Caletti, San Rafael, at \$16,170 awarded contract by State Highway Commission to construct an overhead crossing over the tracks of the Northwestern Pacific Ry. at Forbes Station, consisting of one 46 ft. steel beam span and 190 ft. timber trestle on pile bents.

STOCKTON, San Joaquin Co., Cal.—E. R. Stokes, 933 S. Sierra Nevada St., at \$1,707 submitted low bid to county supervisors to furnish and install motor drive on present drawbridge over Grant Line Canal on Tracy road. Complete list of bids follows:

E. R. Stokes	\$1,707
Butte Elec. & Mfg. Co.	1,864
Hild Elec. & Mfg. Corp.	1,996

LOS ANGELES—The city council has completed arrangements whereby a portion of the Sixth Street Viaduct Project may be awarded within the next few weeks. The board of public works has authorized to advertise for bids for the construction of the underpass, the river piers, and abutments. The estimated total cost is \$2,500,000. The city and county will each pay \$300,000 and the Southern Pacific Ry. and the Santa Fe Ry. each 12½% of the total cost.

LOS ANGELES, Cal.—Merrill Butler, city bridge engineer, has announced that bids will probably be taken within the next two weeks for the construction of the Washington St. Bridge over the Los Angeles River. The bridge will be a reinforced concrete structure with a 300-ft. river span with abutments and approaches. The cost will be \$350,000 including necessary land.

MODOC COUNTY, Calif.—As previously reported, bids will be received April 23, 2 P. M., by State Highway Commission to construct two timber bridges, one across north fork of Pit river, about 3½ miles NW of Alturas, consisting of seven 19-ft. spans with concrete deck on pile bents, and the other across Shields creek channel change, about 4 miles NE of Alturas, consisting of three 19-ft. spans with concrete deck on pile bents. Project involves: furnish 3000 lin. ft. crescoted Douglas fir piles; drive 93 crescoted Douglas fir piles; 53 M. ft. b.m. crescoted Douglas fir timber, select struct. grade; 7 M. ft. b.m. untreated Douglas fir timber, select struct. grade; 87 cu. yds. class A Port. cem. concrete (pave); 9500 lbs. reinf. steel; 1 lot miscellaneous items of work.

DREDGING, HARBOR WORKS & EXCAVATIONS

OAKLAND, Cal.—Until April 25, 3 P. M., bids will be received by U. S. Engineer Office, Customhouse, San Francisco, for dredging in Oakland Harbor. Specifications obtainable from above office.

PEARL HARBOR, T. H.—See "Government Work and Supplies," this issue. Contract awarded for reinforced concrete pier, quays and bulkhead at Naval Operating Base.

RICHMOND, Contra Costa Co., Cal.—Until April 16, 12 noon, bids will be received by E. A. Hoffman, city engineer, City Hall, for dredging Ellis Slough, the work to be financed by property owners. Approximately 1,500,000 cu. yds. of material will be dredged and dumped on adjacent property to bring it up to a grade 8-ft. above water. The cost of dredging, filling and bulkheading is estimated at \$300,000. Property owners who will finance the work include: Santa Fe Railroad Co.; San Francisco Bridge Co.; Duncanson & Harrelson, Richmond Navigation & Improvement Co., Richmond Investment Co., Enterprise Foundry Co. and A. Banzoff. Specifications obtainable from engineer.

MARTINEZ, Contra Costa Co., Cal.—Martinez Chamber of Commerce will confer with city trustees on April 2 regarding proposal to establish a yacht harbor, which, according to tentative estimates submitted by A. W. Kitchen, San Francisco engineer, will involve an expenditure of \$12,600. The harbor would be established near the municipal pier.

STOCKTON, San Joaquin Co., Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at \$5,545 awarded contract by county supervisors to construct ferry landing on both sides of the river and a trestle approach to one landing at

Middle river between Bacon Island and the Lower Jones tract near Middle River Station. Complete list of bids follows:

M. A. Jenkins	\$5,543
E. R. Stokes	5,635
Lauritzen	6,000
J. E. Fitzsimmons	6,250
L. Uebels	6,390
Bundsen & Lauritzen	6,394
Alfred Love	6,655

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Calif.—Alldrin and Anderson, Turlock, at 10c sq. ft. awarded contract by Turlock Irrigation District for 17,940.5 sq. ft. concrete (2-inch) canal lining in Imp. Dist. No. 54 and at \$13.25 cu. yd. for concrete work in connection with structures in the same district.

STREET LIGHTING SYSTEMS

NEWPORT BEACH, Orange Co., Cal.—Until 7:30 P. M., April 7, bids will be received by the city council for constructing a lighting system in Central Ave., involving 44 bracket type standards. The standards are to be affixed to the existing trolley poles; 1911 and 1915 acts. R. L. Patterson, city engineer.

NEWPORT BEACH, Orange Co., Cal.—City council plans lighting system in Main St., involving 53 Marbleite single light standards; 1911 and 1915 Acts. R. L. Patterson, city engineer.

SACRAMENTO, Cal.—City Commissioners have started proceedings to install electroliters in H St. bet. 6th and 12th Sts., property owners having petitioned for the work.

SACRAMENTO, Cal.—See "Streets and Highways," this issue. City plans to install lighting system in K street between 39th St. and west boundary of W. & K. Tract No. 24.

MACHINERY AND EQUIPMENT

SACRAMENTO, Calif.—Until April 15, 11 A. M., under Proposal No. 30-320, Specifications No. 1811, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver one gasoline operated combination clamshell and dragline excav. crane. Equip. shall be capable of heavy duty work, and of handling either a one cubic yard (water measurement) clamshell bucket, or one cu. yd. dragline bucket, with a 50-foot boom, through a full circle. Specifications obtainable from above office.

SEBASTOPOL, Sonoma Co., Cal.—White Truck Co., at \$4,300 each, awarded contract by Analy High School District to furnish two chassis. California Coach Co., San Francisco, at \$1,700 each awarded contract to furnish and install bodies on same for transportation of pupils.

OAKLAND, Cal.—Spears-Wells Machinery Co., 9th and Cedar Sts., at \$1,155 awarded contract by East Bay Municipal Utility District to furnish one welding machine.

OAKLAND, Cal.—Rix Co., Inc., at \$3,500 awarded contract by East Bay Municipal Utility District to furnish one air compressor.

OAKLAND, Cal.—J. E. French Co., 124 Grand Avenue, Oakland, at approximately \$1,600, including trade-in, awarded contract by East Bay Municipal Utility District to furnish one Dodge Bros. truck chassis.

SACRAMENTO, Cal.—Until April 11, 11 A. M., under Order No. 1832-WMC53, bids will be received by U. S. Engineer Office, 4th and J Sts., Sacramento, to furnish and deliver automobile, similar and equal to the Ford "Station Wagon" with canopy top and rack for baggage. Further information obtainable from above.

STOCKTON, San Joaquin Co., Cal.—Bundsen and Lauritzen, Antioch, at \$3,399 awarded contract by county supervisors to construct ferry boat to be delivered at Middle River Station. Complete list of bids follows:
Bundsen & Lauritzen.....\$3,399
M. A. Jenkins, Sacramento.....\$3,443
Colberg Boat Works.....3,750
General Drydock and Engineering Co., Oakland.....4,779

OAKLAND, Cal.—Cochran & Celi, 417 6th St., Oakland, at \$147.50 awarded contract by city council to furnish one 1½-ton truck chassis with special body and cab for use of municipal pound.

SANTA BARBARA, Cal.—Until 2 P. M., April 10, bids will be received by the city purchasing agent, Carl Hasse, for furnishing one road grader. Certified check or bond, 10%.

RAILROADS

SAN JOSE, Santa Clara Co., Cal.—J. P. Holland, 1834 McKinnon Ave., San Francisco, awarded contract by Southern Pacific Railroad for grading in connection with construction of a second track between Coyote and Pomar, three and one-half miles south.

SAN FRANCISCO.—American Steel Foundries, at \$23 each submitted low bid to City Purchasing Agent to furnish and deliver 200 rolled steel car wheels, diameter 34 inches, for Municipal Railway System. Complete list of bids follows:
American Steel Foundries.....each \$29.00
U. S. Steel Prod. Co.....each \$35.50
Pacific Coast Steel & Bath.....
Lehem Corp.....each \$35.75
Standard Steel Works.....each \$38.00
Taken under advisement.

IMPERIAL COUNTY, Calif.—Interstate Commerce Commission grants authorization to Southern Pacific Co. to extend its line for 16 miles in Imperial County. The extension will be effected through construction of six miles of new line between Sandia and Holtville and operation over 10 miles of the Holtton Interurban Railroad bet. Holtville and El Centro.

LOS ANGELES, Cal.—Until 2 P. M., April 7, bids will be received by the county supervisors for 2660 railroad ties for the flood control department; E. C. Eaton, chief engineer. Specifications are on file at the office of Miss Mame B. Beatty, 303 Hall of Records.

FRESNO, Fresno Co., Cal.—See "Miscellaneous Construction," this issue. Improvements contemplated in the San Joaquin Division by the Atchison, Topeka and Santa Fe Railway Company.

FIRE ALARM SYSTEMS

OAKLAND, Cal.—Auto Call Co., 320 Market St., San Francisco, at \$1,695.90 awarded contract by City Port Commission to furnish and deliver electric equipment for fire alarm system at Municipal Airport.

FIRE EQUIPMENT

SAN FRANCISCO.—Until April 14, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 12,000 ft. of rubber hose for Park Commission. Further information obtainable from above office.

ALAMEDA, Alameda Co., Cal.—On April 15, 4 P. M., W. E. Varcoe, city clerk, will sell to the highest bidder one 6-cylinder Studebaker Tractor-Drawn Fire Department Service Truck, fully equipped with 12 assorted ladders, life net and miscellaneous equipment, no longer required by the city. Certified check 10% payable to city required with offers. Further information obtainable from Chief of the Fire Department at the City Hall.

MISCELLANEOUS SUPPLIES AND MATERIALS

MARTINEZ, Contra Costa Co., Cal.—Until April 15, bids will be received by William H. Hanlon, county superintendent of schools, to furnish and deliver standard school supplies for the fiscal year beginning July 1, 1930, and ending June 30, 1931. Specifications obtainable from above.

RESERVOIRS AND DAMS

MENLO PARK, San Mateo Co., Cal.—See "Miscellaneous Construction," this issue. Bids opened by Bear Gulch Water Company.

ANTIOCH, Contra Costa Co., Cal.—Geo. French Jr., Cherokee Lane, Stockton, at \$3894 awarded contract by city council to enlarge municipal reservoir, 2½ miles south of Antioch. Henle Construction Co. only other bidder at \$3397.

SAN FRANCISCO.—City Engineer M. N. O'Shaughnessy recommends to Board of Public Works that \$2,000,000 be made available from the revenues of the Municipal Water Department over a three-year period to finance the construction of the proposed Balboa Park Reservoir and that \$75,000 be provided from the same source for the purchase of land for the Glen Park reservoir.

PIPE LINES, WELLS, ETC.

SAN FRANCISCO.—Western Pipe & Steel Co., 444 Market St., at approximately \$300,000 awarded contract by Pacific Gas & Electric Co. to furnish steel pipe for Tiger Creek power house. M. W. Kellogg Co. of New Jersey at approximately \$150,000 awarded contract to furnish pipe in connection with the same project.

MARTINEZ, Contra Costa Co., Cal.—Coast Counties Gas & Electric Co., will spend between \$250,000 and \$300,000 in natural gas service extensions to Los Mendanos, Oakley, Brentwood and Byron in eastern Contra Costa County and to Danville, San Ramon, Alamo and Osage in Central Contra Costa.

SEWERS AND SEWAGE DISPOSAL PLANTS

EL CERRITO, Contra Costa Co., Cal.—Ross L. Calfee, 322 Arlington Ave., Berkeley, city engineer of El Cerrito and chief engineer for the Stige Sanitary District is preparing plans for new outfall sewer to serve the Stige Sanitary District; estimated cost \$100,000. Construction will involve 36-in. and 48-in. vitrified pipe. The sewer will extend 7500 ft. beyond the outermost point of point Isabel.

VERNON, Los Angeles Co., Cal.—Until 5 P. M., April 7, bids will be received by the City Council for constructing sewers in Fruitland South east Sewer District, involving:
(1) 1634 ft. 18-in. vit. sewer;
(2) 2027 ft. 15-in. vit. sewer;
(3) 7049 ft. 14-in. vit. sewer;
(4) 5772 ft. 12-in. vit. sewer;
(5) 5693 ft. 10-in. vit. sewer;
(6) 15,000 ft. 8-in. vit. sewer;
(7) 14,957 ft. 6-in. vit. sewer;
(8) 120 manholes;
(9) 13 flush tanks.
Howard S. McCurdy, city engineer
T. J. Furlong, city clerk.

FAIRFIELD, Solano Co., Cal.—County supervisors declare intention for the construction of vitrified sanitary sewer system together with manholes, inspection holes, sewerage pumping plant, etc., in Acq. and Imp. Dist. No. 1. Work under Acq. and Imp. Act 1925. City of Vallejo will pay \$30,526.48 of total cost which is estimated at \$150,000. Hearing April 14. G. G. Halliday, county clerk.

SPARKS, Nevada.—H. A. Teget, 22 Harvard Place, Ontario, at \$69.93 awarded contract by city council to construct sewage disposal plant comprising retaining tank, concrete sludge digestion tank with sludge beds adjoining. Plans by C. C. Kennedy, engineer, Call Bldg., San Francisco. Complete list of bids follow (all bidders of California):
H. A. Teget, Ontario.....\$69.93
Frederickson-Watson, Oakland 73.69
Southern Constr. Co., Beverly Hills.....74.33
H. G. Ralsch, San Francisco.....74.53
Haege-Moore Co., Oakland.....82.32
H. Gould, Sacramento.....93.00

SACRAMENTO, Cal.—County supervisors contemplate drainage improvements in area bordering the H Street Road between Sacramento and Fair oaks. It is proposed to form a drainage district to finance the improvements, estimated to cost from \$10,000 to \$15,000.

SAN ANSELMO, Marin Co., Cal.—Residents of Sequola Park are conferring with town trustees regarding construction of sewers. Town Engineer Geo. W. Manley has made surveys in the park of Districts Nos. 1 and 2, also in the Bunker Hill Tract and the Ancha Vista Tract and a portion of Westland Park. The estimated costs being placed at \$18,000 or from \$40 to \$50 per lot.

MODESTO, Stanislaus Co., Cal.—Until April 23, 7:30 P. M., bids will be received by H. E. Gragg, city clerk to furnish and deliver one sewage clarifier, one digester and one sludge pump, as more fully described in official proposal published in this issue. Certified check 10% payable to Mayor of City. Further information obtainable from Frank Rossi, city engineer.

LONG BEACH, Los Angeles Co., Cal.—C. E. Arnold, county storm drain engineer, will confer with the city council April 1 regarding the propos

storm drain system for the northeast portion of Long Beach and in Signal Hill. The estimated cost is \$1,000,000.

STEGER, Contra Costa Co., Cal.—Fred Myers, Richmond, at \$472.04 submitted low bid to Steger Sanitary District to construct sewers in Block M of Berkeley Park, under Improvement Plan No. 11, involving:

- 31 ft. 6-inch vitrified sewer pipe;
- 52 ft. 4-inch vitrified sewer pipe;
- 2 manholes;
- 3 lampholes.

Complete list of bids, all taken under advertisement, until April 3, follow:

F. Myers	\$472.04
Oakland Sewer Constr. Co.,	
Oakland	472.29
Geo. French Jr., Stockton	538.26
J. M. McGuire, Oakland	567.35
Oakland Constr. Co., Oakland	604.05
Diamond Constr. Co., Oakland	639.10
E. A. Clinch, Richmond	832.68

HUNTINGTON BEACH, Orange Co., Cal.—Plans for a proposed waste water disposal system at Huntington Beach, have been completed by engineers representing the interested oil companies. The estimated cost, \$160,000. Plans have been presented to Merwin Rosson, city engineer, for approval.

WATER WORKS

REDLANDS, Cal.—The Water Conservation Association has selected a site for a weir to be built across the Santa Ana River in the San Bernardino mountains. The location selected by Paul Bailey, consulting engineer, W. W. Hoy, Goe, S. Hinchley, and J. J. Skelley, is just above the Southern California Edison power house. Its length will be 470 ft., and will require a 700-ft. pipe line of 7-ft. diameter with a capacity of 50,000 in-lbs. Bailey is now working on the design.

OAKLAND, Cal.—Until April 7, 4:30 P. M., bids will be received by G. E. Legard, secretary, City Port Commission, 424 Oakland Bank Bldg., for cast steel casing for 20-inch dredge pump. Certified check 10% required with bid. Specifications obtainable from secretary on deposit of \$5, returnable.

SANTA CLARA, Santa Clara Co., Cal.—Until April 7, 8 P. M., bids will be received by A. J. Cronin, city clerk, to furnish and deliver 2,000 ft. 6-inch cast iron bell and spigot pipe, A. W. V. A., together with various fittings. See call for bids under official proposal section in this issue.

SAN BRUNO, San Mateo Co., Cal.—Until April 23, 8 P. M., bids will be received by Emil A. Bohm, City Clerk, to construct extension to water system in Belle Air Park; estimated cost \$100,000. Certified check 10% required with bid. Plans on file in office of city clerk.

See call for bids under official proposal section in this issue.

OAKLAND, Calif.—Following bids taken under advisement by East Bay Municipal Utility District to furnish system in connection with distributing system:

- 1.—Kennedy Valve Mfg. Co., Elira, N. Y., \$14,343.90.
- 2.—Crane Co., Oakland, \$14,695; lump sum, \$14,500.
- 3.—Water Works Supply Co., C. F., \$16,970.25; lump sum \$15,310.
- 4.—Water Works Supply Co., S. F., \$15,000; lump sum \$14,535.
- 5.—Pacific Coast Eng. Co., Oakland \$6,410; lump sum \$15,517 (e).
- 6.—Ducomin Corp., L. A., (a) \$16,-

937.90; lump sum \$8855.

7.—Rensselaer Valve Co., Troy, N. Y. (e) \$19,330; lump sum \$13,770.

Y. (e) \$19,830; lump sum \$13,770.					
Item A,	150 valves 4-in. diameter.				
Item B,	500 valves 6-in. diameter.				
Item C,	100 valves, 8-in. diameter.				
Item D,	10 valves, 10-in. diameter.				
Item E,	35 valves, 12-in. diameter.				
Item F,	10 valves, 16-in. diameter.				
A	B	C	D	E	F

1-8.33	14.21	24.64	35.74	55.34	115.61
2-9.50	15.00	25.00	42.00	50.00	110.00
3-10.75	16.75	26.75	39.30	49.85	127.00

4-9.50	15.25	24.50	34.35	43.50	117.00
5-10.40	16.55	28.60	43.50	58.60	122.90
6-10.42	17.96	28.88	42.55	55.04	115.50
7-12.00	22.00	33.00	45.00	58.00	125.00

(a) Bidder offers to pay for Robert W. Hunt Co. inspection at plant.

(b) Alternate bid for all items on Michigan Series 45 valves. Bidder offers to pay for Robt. W. Hunt Co. inspection of plant.

(c) Bidder offers lump sum of \$14,700 if lowa valve list 12 for 4-in., 6-in. and 8-in. sizes, and list 14 for the remainder are accepted.

(d) Prices bid are for delivery at San Francisco docks, 2% discount allowed for 10th proc. Lump sum obviously in error due to wrong computations in item 2 which was figured at 1/10th of correct total.

(e) Bidder offers list 12 Rensselaer valves for sizes 4-in. to 12-in. and list 13 for 16-in. Reduction of \$150 in lump sum offered if steel nuts are used in place of bronze nuts on the bonnet flange bolts. Bidder offers immediate shipment from San Francisco stock of valves as follows: 25 4-in.; 40 6-in.; 7 8-in., 5 12-in. and 2 16-in.

MODESTO, Stanislaus Co., Cal.—Stanislaus Implement & Hardware Co., Modesto, at \$1025 submitted low bid to city council to furnish and deliver:

1225 ft. 2-in. galv. pipe;	
105 ft. 2½-in. galv. pipe;	
155 ft. 1½-in. galv. pipe;	
265 ft. 1¼-in. galv. pipe;	
580 ft. 1-in. galv. pipe	
1800 ft. ½-in. galv. pipe; also for a miscellaneous supply of fittings.	

Following is a complete list of bids received, all being taken under advisement until April 2:

Stanislaus Imp. & Hardware Co., Modesto	\$1025.00
Tay Holbrook Co., S. F.	1092.02
W. L. Tighman, Modesto	1048.00
Richmond Sanitary Co., Richmond	1052.00
Lally Co., San Francisco	1055.60
Grinnell Co., S. F.	1064.05
Walworth Calif. Co., S. F.	1065.07
Abbott Co., San Francisco	1075.29
Sacramento Pipe Wks, Sacto.	1096.16
D. R. Hoffman, Sacto.	1102.00
Federal Pipe & Supply Co., Fresno	1104.50
Pacific Pipe Co., S. F.	1108.08
J. F. Dickinson, S. F.	1167.45

PLAYGROUNDS & PARKS

SAN MATEO, San Mateo Co., Cal.—Until April 17, 8 P. M., bids will be received by Wm. H. Taylor, clerk, San Mateo High School District, for planting material at high school grounds. Specifications obtainable from Superintendent of Schools at San Mateo.

TAFT, Kern Co., Cal.—Until April 14, A. M., bids will be received by F. E. Smith, city clerk, to construct concrete tennis court at West Side Park site. Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Plans on file in office of the clerk.

BAKERSFIELD, Kern Co., Cal.—Until April 7, 5 P. M., (to be opened 8 P. M.) bids will be received by V. Van Riper, City Clerk, to construct three cement concrete tennis courts

at Jastro Park. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

BAKERSFIELD, Kern Co., Cal.—Until April 7, 5 P. M. (to be opened 8 P. M.) bids will be received by V. Van Riper, City Clerk, to construct one tennis court fence at Jastro Park. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

SACRAMENTO, Calif.—L. H. Dallman, 517 J St., Sacramento, at \$1,079 awarded contract by county supervisors to install sprinkler system at county hospital grounds.

SACRAMENTO, Calif.—E. R. Armstrong (Capitol Nursery), Sacramento, at \$350 awarded contract by county supervisors to plant lawns at county hospital grounds.

STREETS AND HIGHWAYS

VALLEJO, Solano Co., Calif.—City council declares intention (170) to improve Kissell alley from Butte to Branciforte Sts., involving grading; 3-in. by 12-in. f.w. curbs; 5-in. cement concrete paving, 1911 Act. Bond Act 1915. Hearing April 15. Alf. E. Edgumbe, city clerk. T. D. Kilkenney, city engineer.

SACRAMENTO, Calif.—City council declares intention (2302) to improve K St. bet. 39th St. and west boundary of Wright and Kimbrough Tract No. 24, involving concrete curbs and gutters; c. i. drains; vit. sewers; conc. manholes; conc. walks; grading; pave with 2-in. asphalt conc. with seal coat on 4-in. cement gravel sub-base and install street lighting system, 1911 Act. Bond Act 1915. Hearing April 17. H. G. Denton, city clerk. Fred J. Klaus, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until April 21, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve the San Jose and Alviso road from the Midway School to the Milpitas and Alviso road in Supervisor District No. 5. Plans on file in office of clerk and obtainable from County Surveyor Robert. Chandler.

SAN JOSE, Santa Clara Co., Cal.—Until April 21, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Sunnyvale Avenue from Maude Ave. to Lawrence Ave. in Supervisor District No. 5. Plans on file in office of clerk and obtainable from County Surveyor Robt. Chandler.

SAN JOSE, Santa Clara Co., Cal.—Until April 21, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Seiber road from Tully road to Singleton road in Supervisor District No. 2. Plans on file in office of clerk and obtainable from County Surveyor Robt. Chandler.

SANTA ROSA, Sonoma Co., Cal.—Until April 21, bids will be received by county supervisors for oil surfacing approximately 30 miles of road in various sections of the county. Specifications obtainable from E. A. Peugh, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until April 21, 8 P. M., bids will be received by John J. Lynch, city clerk, (5039) to improve Vendome Ave. bet. Hobson and Polhemus Sts., involving grading; 1½-in. asphalt conc. surface, 2½-in. asphalt conc. base pave.; cem. conc. curbs, walks; 4-in. vit. san. house lateral sewers.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. Win. Popo, city eng.

SANTA ROSA, Sonoma Co., Cal.—George French Jr., Cherokee Lane, Stockton, awarded contract by county supervisors for oil surfacing 6 1/2 miles of highway in the Second Road District. Highway Builders, Ltd., awarded contract to oil surface 1 1/2 miles in the Fourth Road District.

SANTA ROSA, Sonoma Co., Cal.—County supervisors reject bids for asphaltic oil surfacing on roads in first and third Supervisorial Districts, involving approximately 4 miles, and the work will be done by county lottee.

OAKLAND, Cal.—Until April 22, 10:30 A. M., bids will be received by Geo. F. Gross, County Clerk, to improve 2 miles of Hayward-Redwood Canyon Road in Eden Township; estimated cost \$30,000. Will involve clearing, grading and finishing roadway and culverts. Plans obtainable from Geo. A. Rosey, county surveyor.

LOMPOC, San Luis Obispo Co., Cal.—Until April 8, 2 P. M., bids will be received by San Diego Fruit & Produce Co., Bank of Italy Bldg., Lompoc, to graze and level 120 acres of land seven miles west of Lompoc. Certified check 10% payable to company required with bid. Plans obtainable from J. D. MacGregor, engineer, Santa Maria, on payment of \$7.

SAN FRANCISCO—Until April 9, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works to improve south half of Lobos St. from point 275 ft. east of Plymouth Ave. to point 400 ft. easterly, involving armored conc. curbs; 6-in. ironstone pipe sewers; 6-in. asphalt conc. base pavement with 1 1/2-in. asphalt conc. surface. Est. cost \$300. Certified check 10% payable to clerk of the Bd. of Sups. required with bid. Plans obtainable from Bureau of Engineering, 3rd Floor, City Hall.

SALINAS, Monterey Co., Cal.—Jas. L. Conner, Monterey, at \$1987.50 awarded contract by county supervisors to grade and surface portions of San Miguel Canyon road. W. A. Dontanville, Salinas, next low bidder at \$2620.50.

SALINAS, Monterey Co., Cal.—Jas. L. Conner, Monterey, at \$65,021 awarded contract by county supervisors to construct remaining unimproved section of the Salinas-Monterey peninsula highway from Salinas city limits to Riverside. W. A. Dontanville, Salinas, next low bidder at \$65,765.08.

SAN JOSE, Santa Clara Co., Calif.—City council declares intention (5070) to improve Garland Ave. bet. Race and Keeble Aves., involving grading; 1 1/2-in. asphalt conc. surface on 2 1/2-in. asphalt conc. base; cem. conc. curbs, gutters; walks. 1911 Act. Hearing April 14. John J. Lynch, city clerk. Wm. Popp, city engineer.

SAN MATEO, San Mateo Co., Cal.—City will start proceedings shortly to widen B St. bet. Baldwin and Fifth Aves. E. F. Wilsey is city manager.

CLARK COUNTY, Nevada.—Martin Bros., Long Beach, Calif., at \$85,613.16 awarded contract by State Highway Commission to improve state highway from Crystal to West Slope of Mormon Mesa, a distance of 20.22 miles, involving grading; structures and gravel surfacing. Other bids: Martin Brothers \$97,916
Isbell Const. Co., Carson City
and Fresno, Calif. 103,963
Dodge Bros., Fallon, Nev. 107,241
Utah Const. Co., Salt Lake 113,093

KING CITY, Monterey Co., Cal.—A. J. Raisch, 46 Kearny Street, S. F., at \$91,351.83 awarded contract by city council to pave 25 blocks of streets with 5-in. conc.; concrete curbs, culverts and catchbasins. Streets to be improved include Pearl St., First to San Lorenzo; Ellis St., 1st to San Lorenzo; Vanderhurst, from Lynn, four blocks north to city limits; the following streets bet. Ellis and Lynn and bet. Bassett and Pearl; First, Section, Third, Russ, San Lorenzo. Complete list of bids follows:

A. J. Raisch, San Jose.....	\$ 91,351
M. J. Bevanda, Stockton.....	93,788
Granite Const. Co., Watsonville.....	94,667
Basich Bros. Const. Co., L. A.	96,301
W. A. Dontanville, Salinas.....	96,809
Thompson Bros., Santa Cruz.....	100,480
J. F. Knapp, Oakland.....	102,780
Peninsula Paving Co., S. F.	104,904
A. Teichert & Sons Inc., Sacto.....	106,263
Central California Roads Co., Oakland	107,698
J. L. Conner, Monterey.....	107,848

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes specifications to improve crossing of Head and Sargent Sts., involving 90 lin. ft. armored concrete curbs; 591 sq. ft. 1-course concrete sidewalks; 4 brick catchbasins; 100 lin. ft. V. C. P. culverts; 83 lin. ft. 8-in. and 28 lin. ft. 12-in. V. C. P. sewer; 1 brick manhole; 2,785 sq. ft. asphalt concrete pavement, consisting of 6-in. class F conc. base with 2-in. asphalt conc. surface. Estimated cost \$2,500.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes specifications to improve crossing of Vernon and Sargent Sts., involving 200 cu. yds. excavation; 591 sq. ft. 1-course concrete sidewalks; 58 lin. ft. 8-in. and 28 lin. ft. 12-in. V. C. P. sewer; 1 brick manhole; 3 brick catchbasins; 75 lin. ft. 10-in. V. C. P. culverts; 2,785 sq. ft. asphalt conc. pavement, comprising 6-in. class F conc. base with 2-in. asphalt conc. surface. Estimated cost \$2,500.

REDWOOD CITY, San Mateo Co., Cal.—Until April 14, 10 A. M., bids will be received by Elizabeth M. Kneese, county clerk (20) to improve O'Keefe, Donohoe, Park and Height Sts. bet. Menalto Ave. and Willow rd.; portions of James, Garden, Cloud Sts., Carmel Ave., etc., involving grading; combined hvd. cem. conc. curbs and gutters, walks; 3-in. asphalt concrete surface on 4-in. waterbound macadam base; cem. conc. pipe storm water sewer; br. catchbasins; 4-in. vit. pipe lateral sewers in Menalto Park. 1911 Act. Co. Imp. Act 1921. Certified check 10% payable to county required with bid. Plans obtainable from Co. Surveyor George A. Kneese.

SUNNYVALE, Santa Clara Co., Cal.—City trustees declare intention (315) to improve portions of Washing-

ton Ave., Evelyn Ave., McKinley Ave., etc., involving grading; 2-in. asphaltic concrete surface on 3-inch asphalt concrete base; cem. conc. curbs, gutters, walks and driveways; concrete pipe sewer laterals; 3-in. water main connections; pipe culverts, etc. Project involve the improvement of about 39 blocks of streets. 1191 Act. Bond Act 1915. Hearing April 14. Ida Trubchenek, city clerk.

SAN JOSE, Santa Clara Co., Cal.—Jack Casson, Hayward, at \$3,555.55 awarded contract by city council to pave portions of main lower road and upper one-way road in City Reservation, commonly known as Alum Rock Park with Bitumels surface roadway treatment.

OAKLAND, Cal.—Until April 7, 4:30 P. M., new bids will be received by G. E. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., for surface pavement on Apron Wharf at west side of Transit Shed No. 2, Outer Harbor Terminal. Western Roads Co., Oakland, at \$2,636.97 submitted low bid on this work which was rejected. Bond in full amount of contract price required of the successful bidder. Specifications obtainable from secretary on deposit of \$5, returnable.

SAN JOSE, Santa Clara Co., Cal.—Until April 21, 8 P. M., bids will be received by John J. Lynch, city clerk, (5036) to improve Taylor St. bet. 13th and 19th Sts., involving grading; 1 1/2-in. asphalt conc. surface, 3-in. asphalt concrete base pavement; cem. conc. walks; 4-in. vit. pipe house lateral sewers; cem. conc. storm water inlets; 6-in. vit. pipe san. sewers. 1911 Act.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city eng.

SAN JOSE, Santa Clara Co., Cal.—Until April 21, 8 P. M., bids will be received by John J. Lynch, city clerk (5026) to improve Ryland St. bet. Sar Pedro and Santa Teresa Sts., etc., involving grading; 1 1/2-in. asphalt concrete surface on 3-in. asphalt conc. base pavement; concrete curbs, gutters; 8-in. vit. pipe drains; 4-in. vit. pipe lateral connections; 6-in. vit. san. sewers. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city eng.

GLENN CO., Cal.—Basich Brothers Const. Co., Title Insurance Bldg., Los Angeles, at \$146,319 awarded contract by State Highway Commission to pave with cem. conc. 5.2 miles bet. Logandale and Willows.

SANTA CRUZ, Santa Cruz Co., Cal.—Property owners on streets entering Ocean street between Water street and the Odd Fellows' Cemetery are circulating petitions seeking paving

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipment; Blacksmithing and Welding.

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 ZOE ST., bet. 3rd and 4th, off Brannan St.

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SAN FRANCISCO

of those thoroughfares. Ten streets are affected, most of them from one to four blocks in length. Roy Fowler is city engineer.

BAKERSFIELD, Kern Co., Cal.—Until April 7, 11 A. M., bids will be received by F. E. Smith, county clerk, (10) to construct concrete curbs and sidewalks in Street Improvement District No. 10, 1911 Act. County Imp. Act 1921. Certified check 10% payable to county required with bid. Plans on file in office of clerk.

SAN JOSE, Santa Clara Co., Cal.—Until March 31, 8 P. M., bids will be received by C. B. Goodwin, city manager, to pave portions of main lower road and upper one-way road in City Reservation, commonly known as Alum Rock Park with Bitumens surface roadway treatment. Certified check 10% payable to city required with bid. Plans obtainable from Wm. Popp, city engineer.

LAKE COUNTY, Cal.—Basalt Rock Co., Napa, at \$5,842 awarded contract by State Highway Commission to oil 23 miles of highway between Middletown and Old Williams road.

SAN FRANCISCO—Until April 9, 2:30 P. M., bids will be received by Board of Public Works to construct sidewalks around Alta Plaza. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN FRANCISCO—Until April 9, 2:30 P. M., bids will be received by Board of Public Works to construct sidewalks around Alta Plaza. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN BERNARDINO COUNTY, Cal.—H. W. Rohl & Co., Roosevelt Bldg., Los Angeles, at \$100,372 awarded contract by State Highway Commission to grade 1.9 miles bet. The Pass and 2 miles down Waterman Canyon. Project involves: 26 acres clearing and grubbing right-of-way; 219,000 cu. yds. rdwy. excav. without class.; 241,000 sta. yds. overhaul; 1500 cu. yds. structure excav.; 521 cu. yds. class A Port. cem. conc. (struct.); 78,800 lbs. reinf. steel (struct.); 464 lin. ft. 18-in., 530 lin. ft. 24-in., 434 lin. ft. 30-in. and 116 lin. ft. 48-in. corr. metal pipe; 60 lin. ft. corr. metal pipe (clean and relay); 600 bbls. fuel oil; 1 mile new property fence; 101 sta. finish rdwy.; 95 monuments. State will fur. corr. metal pipe.

OAKLAND, Cal.—Until April 15, 10:30 A. M., bids will be received by George E. Gross, county clerk, to improve portion of Skyline Blvd. from a point approximately 2 miles south of

the Berkeley city limits southeast for a distance of approximately three-fourths of a mile. Certified check 10% payable to clerk required with bid. Plans obtainable from Geo. A. Posey, county surveyor, on deposit of \$25, returnable.

SANTA CRUZ, Santa Cruz Co., Cal.—City council declares intention (458-C) to improve portions of Windor St., South Branciforte Ave. and Pine St., involving cem. conc. pave, curbs, sidewalks, driveway approaches, catchbasins; vit. clay pipe sewer laterals; wrought iron water pipe services. 1911 Act. Hearing April 14. S. A. Evans, city clerk. Roy Fowler, city engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Until April 7, 7:30 P. M., bids will be received by Callie M. John, City Clerk, to construct a reinforced concrete retaining wall, piers and sidewalks in Santa Rosa street near Murray street. Certified check 10% payable to Mayor required with bid. Plans obtainable from City Engineer Leon Moore.

MODESTO, Stanislaus Co., Cal.—Standard Oil Co., San Francisco, at \$1,085 per bbl. submitted low bid to city council to furnish 5000 barrels road oil. Complete list of bids follow:
Standard Oil Co. \$1,085
Union Oil Co. 1.17
Shell Oil Co. 1.17
(Alternate bid) 1.14
Bids taken under advisement until April 2. Frank Rossi, city engineer.

SAN FRANCISCO—Until April 9, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve:

Quint St. bet. Carroll Ave. and existing pavement westerly therefrom, involving conc. curbs; asph. concrete pave, also crossing of Quint and Carroll Ave., involving grade; 8-in. vit. clay pipe sewer; br. catchbasins; 10-in. vit. clay pipe culverts; conc. curbs; art. stone walks; asph. conc. pave. Est. cost \$3,200.

Bright St. bet. Randolph and Sargent Sts. (where not), involving armored conc. curbs; side sewers; conc. pave. Est. cost \$2,000.

Corbett Ave. bet. Clayton and 24th Sts., involving grading; conc. retaining walls; vit. clay pipe sewers; asph. conc. pave, etc. Est. cost \$80,000.
-certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN FRANCISCO—Until April 9, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve:

Portions of San Jose Ave., Tingley St., Silver Ave., etc., involving art. stone sidewalks. Est. cost \$600.

Harrison St. bet. First and Essex Sts., involving resetting of granite curbs; side sewers; 2-course concrete sidewalks; 2-in. asph. conc. surface pavement on 6-in. class F conc. base. Est. cost \$5,200.

Intersection of Brighton and Lakeview Aves., and south half of Lakeview Ave. bet. Brighton and point 25 ft. east, involving armored concrete curbs; conc. sidewalks; br. catchbasins; 10-in. vit. pipe culvert; vit. side sewers; light traffic conc. base pavement with 1½-in. asph. conc. surf. Est. cost \$1,600.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5060) to improve Jackson St. bet. 19th and 21st Sts., involving grading; 1½-in. asph. conc. surface on 3-in. asph. conc. base pave; cem. conc. curbs, gutters and walks; 2 conc. sump boxes; 6-in. vit. pipe drains; 4-in. vit. house lateral sewers. 1911 Act. Bond Act 1915. Hearing April 7. John J. Lynch, city clerk. Wm. Popp, city engineer.

OROVILLE, Butte Co., Cal.—Until April 11, 2 P. M., bids will be received by C. F. Belding, county clerk, to grade lower Wyanottsee Road, involving 13,400 cubic yards of earthwork, unclassified. Certified check, bidder's bond or cash, 10% required with bid. Bond of 50% of contract price will be required of the successful bidder. Specifications obtainable from J. A. Baumgarner, county engineer.

See call for bids under official proposal section in this issue.

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission St., Phone Kearny 1252.

19071—Building Material Representation—Copenhagen, Denmark. Party with several years' experience both in continental Europe and in the United States, in handling materials, articles used within the building trade, alloy metals, other kinds of metal products, and tools wishes to represent local firms handling these commodities. References.

19074—Representation and Trade Investigation, Los Angeles, Calif. Party who is going to Riga Latvia for the summer months to study trade conditions there, wants also to act for San Francisco houses, establishing relations, making reports on conditions, etc.

19075—Representation, Alexandria, Egypt. Company engaged in foreign trade is desirous of representing local manufacturers or exporters in Egypt.

19078—Shellac, Calcutta, India. Exporters of shellac are interested in communicating with importers of this commodity. Reference.

19083—Onyx and Marble, Vera Cruz, Mexico. Party is desirous of contacting importers of Mexican onyx and marble, beautifully mottled and transparent.

19088—Display Room Facilities, Manila, P. I. Organization in Manila has facilities for the establishment of a display room for products of Pacific Coast manufacturers. An official of the organization is offering his services free in supervising and "talking up" the different products. 31

DO NOT RISK AN EXPERIMENT

SPECIFY -- USE

Timpie Hydrated Lime

STRONG—PURE—PLASTIC

Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT, AND SAND FLOAT FINISH

Sold by Representative Dealers Everywhere

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

381	Christensen	Owner	4000
382	Gales	Owner	3000
377	Hurth	Sala	4900
378	Lembros	Amatore	0000
379	White	Coburn	1781
380	Urban	Bienfield	7500
383	Anixter	Little	3500
384	Beinfield	Barrett	6000
385	Harkins	Wlander	7000
386	King	Stockholm	2000
387	Tillman	Larson	15000
388	Guheen	McDermott	4000
389	Ohlsen	Ohlsen	3500
390	Meyer	Owner	16000
391	Todd	Anderson	1000
392	Verner	Magee	10000
393	Cassidy	Owner	8000
394	De Maggio	Owner	2000
395	Hardimann	Owner	8000
396	Olsen	Sweet	2000
397	Simpson	Anderson	1400
398	Swiss	Brumfield	2990
399	Honeyman	Fetz	3000
400	Hellman	Owner	14000
401	Hosmer	Thollander	1500
402	Johnson	Owner	3900
403	Fairmont	Jensen	4500
404	Mittelstaadt	Owner	3000
405	Roney	Malloch	13000
406	Soule	Owner	8000

DWELLING

(377) W 38th AVE. 225 S Judah St.; one-story and basement frame dwelling.

Owner—J. L. Hurth, 1798 Moraga St. Plans by H. Hansberry.
Contractor—Sala Bldg. Co., 1698 24th Ave. \$4900

APARTMENTS

(378) NE 26th & YORK; two-story and basement frame (3) apts.
Owner—J. Lembros, 1694 Alabama St. Architect—None.
Contractor—F. Amatore, 1392A Hampshire St. \$10,000

REPAIRS

(379) 1826 GEARY ST.; repair fire damage.
Owner—Robert White & Co., Hearst Bldg.
Architect—None.
Contractor—Ira W. Coburn, Hearst Bldg. \$1781

STORE

(380) S CHESTNUT 192 E Scott; 1-story and basement frame store.
Owner—Urban Properties Co.
Architect—Bertz, Winter and Maury, 210 Post St.
Contractor—D. L. Bienfield, 666 Mission St. \$7500

DWELLINGS

(381) W 25th AVE 300 N Santiago; two 1-story and basement frame dwellings.
Owner—H. Christensen, 1422 27th Ave. Architect—None. \$4000

DWELLING

(382) WILLIAMS 75 W Ceres; one-story and basement frame dwelling.
Owner—J. Galea, 27 Ready St. Architect—None. \$3000

DWELLING

(383) 28th AVE. 125 N Moraga; one-story and basement frame dwelling.

Owner—L. Anixter, 1410 Divisadero. Architect—None.
Contractor—M. A. Little, 535 Geary. \$3500

FLOOR

(384) 1314 POST ST.; mezzanine floor.
Owner—B. A. Bienfield, care Barrett & Hilp.
Architect—None.
Contractor—Barrett & Hilp, 918 Harrison St. \$6000

APARTMENTS

(385) SE PAUL AVE. and Exeter; one-story and basement frame (3) apartments.
Owner—D. P. Harkins.
Architect—None.
Contractor—E. Wlander, 641 Brunswick wick. \$7000

ADDITION

(386) NE JACKSON & LAUREL; add room to dwelling.
Owner—F. B. King, Jackson & Laurel Sts.
Architect—Bakewell and Weihe, 251 Kearny St.
Contractor—C. Stockholm & Son, Russ Bldg. \$2000

APARTMENTS

(387) NW 21st St & Municipal R. R.; Thorofare; three-story and basement frame (9) apts.
Owners—Mr. and Mrs. H. Tillman, 4344 Balboa St.
Architect—F. W. Dakin, 625 Market Street.
Contractor—A. R. Larson, 4020 24th Street. \$15,000

DWELLING

(388) W FUNSTON AVE. 100 North Taraval; one-story and basement frame dwelling.
Owner—Mrs. J. J. Guheen, 380 Wawona.
Plans by contractor.
Contractor—T. McDermott, 233 Diamond St. \$4000

DWELLING

(389) S SURREY 174 W Lippard; 1-story and basement frame dwelling.
Owner—H. J. Ohlsen, 2869 Harrison Street.
Architect—None.
Contractor—A. H. Ohlsen, 2623 Mission St. \$3500

DWELLINGS

(390) E 22nd AVE. 200 S Vicente; four 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr. Architect—None. each, \$4000

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street

Sacramento - California

ALTERATIONS

(391) W 27th AVE. 200 N Ulloa; alterations to dwelling for private garage.
Owner—R. Todd, 2479 27th Ave. Architect—None.
Contractor—C. Anderson, 369 Pine St. \$1000

FLATS

(392) N SACRAMENTO ST. 118 E Steiner; two-story and basement frame (2) flats.
Owner—S. J. Verner, 770 5th Ave. Architect—J. J. Foley, 770 5th Ave. Contractor—Magee and Son, 1359 4th Avenue. \$10,000

DWELLINGS

(393) E PENNSYLVANIA ST. 250 S 19th; two 1-story and basement frame dwellings.
Owner—R. F. Cassidy Co., 1419 18th Street.
Architect—None. each \$4000

ALTERATIONS

(394) NE 24th & YORK STS.; alterations to dwelling.
Owner—M. De Maggio, 2790 24th St. Architect—None. \$2000

DWELLINGS

(395) W 18th AVE. 100 S Kirkham; two 1-story and basement frame dwellings.
Owner—M. D. Hardimann, 423 38th Avenue.
Architect—None. each \$4000

ALTERATIONS

(396) 84 SOUTH PARK ST.; alterations to building for warehouse.
Owner—Le Roy Olson, 170 Hooper St. Architect—None.
Contractor—Isaac Sweet, 33 Tucker Avenue. \$2,000

ALTERATIONS

(397) S GOLDEN GATE 78 E Steiner; alterations for public garage.
Owner—Dr. Simpson, Flood Bldg. Architect—None.
Contractor—C. Anderson, 369 Pine St. \$1400

SIGNS

(398) 2122 MISSION ST.; electric signs on marquee.
Owner—Swiss Diamond Palace, 2122 Mission St. Architect—None.
Contractor—Brumfield Elec. Sign Co., 965 Polson St. \$2990

DWELLING

(399) N PALOU 150 E 3rd St.; one-story and basement frame dwelling.
Owner—John Honeyman, 1539 Palou Avenue.
Architect—None.
Contractor—F. Fetz, 244 Wilde Ave. \$3000

REPAIRS

(400) 500 GOLDEN GATE AVE.; repair fire damage to commercial building.
Owner—L. H. Hellman, 645 Stockton Street.
Architect—None. \$14,000

ALTERATIONS

(401) 447 17th AVE.; alterations to front of dwelling.
Owner—F. W. Hosmer, 447 17th Ave. Architect—None.
Contractor—Thollander Const. Co., 749 Bryant St. \$1600

DWELLING
(402) W PINEHURST 135 N Ken-
wood; one-story and basement
frame dwelling.
Owner—N. E. Johnson, 270 Monterey
Blvd.
Architect—None. \$3900

ALTERATIONS
(403) N CALIFORNIA ST. 100 East
Mason St.; alterations for players
club.
Owner—Fairmont Hotel Co., Fairmont
Hotel.
Architect—L. C. Mulgardt, 641 Post St.
Contractor—G. P. W. Jensen, 320 Mar-
ket Street. \$4500

DWELLING
(404) E 24th AVE. 125 S Kirkham;
one-story and basement frame
dwelling.
Owner—O. Miticstaadt, 21st Ave.
Architect—None. \$3900

RESIDENCE
(405) E SAN ANSELMO 170 N Santa
Clara Aves.; two-story and base-
ment frame residence.
Owner—G. J. Romey, care builder.
Architect—None.
Contractor—J. S. Malloch, 666 Mission
Street. \$13,000

ADDITION
(406) ARMY ST. bet. Missouri and
Mississippi; addition to metal shop
Owner—Soule Steel Co., Army and
Mississippi Sts.
Plans by Owners. \$8000

BUILDING CONTRACTS

San Francisco County

No. Owner	Contractor	Amt.
64 Ruth	Isaacson	3500
55 Gibbs	Pacific	2625
56 Shell	Federal	6830

BUNGALOW
(64) W DIAMOND ST. 60 S 21st St.
S 25 x W 115; all work on 4-room
Lundberg and garage.
Owner—Anne Ruth, 704 Diamond St.
Architect—None.
Contractor—F. Isaacson and O. Nyland
as Isaacson & Nyland, 3900 Fol-
som St.
Filed Mar 27, '30. Dated Mar 25, '30.
Frame up.....\$ 875
Rough plaster on.....875
Completed.....875
Usual 35 days.....25%
TOTAL COST, \$3500
Bond \$1750. Sureties, E. G. Erickson
and G. F. Wagner. Limit, 70 days.
Plans and Spec. filed.

ELEVATOR
(65) 721 ELLIS ST.; one passenger
elevator for apartment building.
Owner—G. Gibbs, J. Kincanon, 254
Edgewood.
Architect—None.
Contractor—Pacific Elevator & Equip.
Co., 45 Rausch St.
Filed Mar 31, '30. Dated Mar. 6, '30.
Raid in place.....25%
Machinery delivered.....50%
Completed.....25%
TOTAL COST, \$2625
Specifications filed.

IRON & STEEL WORK
(66) N BUSH ST. and W Battery
St. N 137-6 W 137-6 S 57-6 E 20 S
50 E 17-6; ornamental cast iron
store fronts and miscellaneous
iron and steel work.
Owner—Shell Oil Company.
Architect—Geo. W. Kelham, 315 Mont-
gomery St.
Contractor—Federal Ornamental Iron
& Bronze Co., 16th and San Bruno.
Filed Mar 31, '30. Dated Mar. 13, '30.
On completion.....75%
Usual 35 days.....25%
TOTAL COST, \$6,830

Bond, \$3415. Sureties, New York In-
demnity Co. Limit, April 9, 1930.
Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
March 26, 1930—S ELLIS ST 163-1 E Powell E 113 S 92-6 SW 61-6% NW 108 N 40-9%. Sommer and Kaufmann, Inc to Wonderlite Co of America, Inc.....March 25, 1930	March 26, 1930—S BEACH ST E 256- 69 NE Cervantes Blvd E 50 S 121-625 N 77° 28' 07" W 53-788 N 101-797. California Pacific Title & Trust Co to A and K Jacobson..... March 25, 1930
March 26, 1930—SE HAIGHT AND Belvedere S 49-3/4 x E 75. Mil- ton F and Charles A Block to L N Wise.....March 25, 1930	March 26, 1930—W 31st AVE 175 N Taraval, lot 25x120. N W Ander- son to whom it may concern..... March 22, 1930
March 26, 1930—W 31st AVE 175 N Taraval, lot 25x120. N W Ander- son to whom it may concern..... March 22, 1930	March 26, 1930—NW COR HARRI- son and Berwick Place. E K Cooley as S F Galvanizing Works to whom it may concern..... March 25, 1930

March 26, 1930—N SAGAMORE 75 W Plymouth Ave W 25 x N 125- ptn D R R Hd Assn No 2. Nick Cannata to whom it may concern. March 26, 1930	March 27, 1930—SE COR DIAMOND and Chenery Sts. C Straub to C Lindberg.....March 27, 1930
March 27, 1930—SE DIAMOND and Chenery Sts. Christine Straub to C Lundberg.....March 27, 1930	March 26, 1930—S BEACH 256-69 from pt inter S Beach and NE Cervantes Blvd (if said line of said st and blvd were extended W and NW respectively) E 50 S 121- 625 N 77° 28' 07" W 53-788 to line drawn at right angles to S Beach from pt beg N 161-797 to beg ptn Marina Gardens. California Pa- cific Title & Trust Co to A and K Jacobson.....March 25, 1930

March 26, 1930—S ELLIS ST there- on 163-1 E Powell E 113 to pt dist thereon 128-5/4 W from NW Market S 92-6 m or l to NW Mar- ket SW alk Market 61-6% to pt dist thereon 250-9 NE from N Ed- dy th at right angles to Market NW 168 to inter of said line with line rung from pt beg parl with E Powell N parl with E Powell 40-9% m or l to beg. Sommer & Kaufmann, Inc to Wonderlite Co of America, Inc.....March 25, 1930	Mar 27, 1930—NE Blvd and ILLINOIS E 76 to W Louisiana S 25. P G & E Co to United Commercial Co, Inc.....March 20, 1930
March 31, 1930—40 PRESIDIO Ter- race. M H Salz to Mattock and Feasey.....March 24, 1930	March 34, 1930—S NEY 125 E Craut. Geo V and A M Godin to whom it may concern.....March 31, 1930
March 31, 1930—ON E 30 FT LOT 42 Bk 2917 map Laguna Honda Park, being on W Hernandez Ave W 95 from W Laguna Honda Blvd. J L and T M Mitchell to H E Newlon.....March 28, 1930	March 31, 1930—SW PERSIA AVE 75 NW Prague NW 25 x 101 35 25 NE 100 ptn lot 8 Bk 191 Ex- celsior Hd Assn. Floyd C Frank to whom it may concern..... March 29, 1930

March 31, 1930—LOT 22 BLK 5503 St Mary's Park. The Roman Cath- olic Archbishop of San Francisco to Andrew R. Johnson.....March 29, 1930	March 31, 1930—SW PERSIA AVE 75 NW Prague St NW 25x100. F
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C Frank to whom it may concern.....March 29, 1930	March 31, 1930—LOT 22 BLK 5503 St Mary's Park. Roman Catholic Archbishop of S F to A R John- son.....March 28, 1930
March 29, 1930—E 27th AVE. 200 S Rivera S 25 x E 120. Alex Sergio to whom it may concern.....March 28, 1930	March 29, 1930—NW SAN BRUNO Ave and Sunnydale Ave 75x100. No 4598 San Bruno Ave. A and G O'Brien to Srl & Bott.....March 22, 1930
March 29, 1930—S O'Farrell 80 E Mason E 57-6 x S 87-6. John A and Joseph G Traina to George Nimm.....March 27, 1930	March 29, 1930—E ALABAMA ST 140 S 25th St 30x100. T De Cesare to J Farnocchia.....March 28, 1930
March 28, 1930—N JUDSON 150 W Foerster W 25 x N 79. Geo Hold- ing to whom it may concern.....March 28, 1930	March 28, 1930—W 18th AVE 100 N Lawton St N 25 x 120. H Chris- tensen to whom it may concern..... March 28, 1930
April 1, 1930—E MISSISSIPPI 175 N 22nd 25x100. Michael and Angelina Provano to Arthur Johnson.....April 1, 1930	April 1, 1930—NE 15 FT LOT 28 and SV 22 ft Lot 29 Bk 8, map For- est Hill. Aug J Long, Jr to whom it may concern.....March 27, 1930
April 1, 1930—E 16th AVE 200 S Taraval S S 75 x E 120. A J and B Benson to whom it may concern.....April 1, 1930	April 1, 1930—N SUTTER 137-6 7 1/2 W Stockton St W 138-237 E 67-6 N 4-1/2 in E 10 N 26-7 1/2 E 6° S 50 E 8 1/2 in S 137-6. 450 Suter Corp to Lindgren & Swinerton Inc.....March 29, 1930
April 1, 1930—N UPLAND DRIVE 48 W Darian Way Lot 4 Bk 3275A Mt Davidson Manor. A M Sam- uelson to whom it may concern.....March 28, 1930	

LIENS FILED

San Francisco County

Recorded	Amount
March 28, 1930—LOTS 7A, B and C Blk 7032 A Geneva Terrace. A Nelson vs A J Kronquist.....\$96	
March 27, 1930—NW NATOMA ST 200 SW 6th St SW 25 x NW 75. W B Jefferson as Greater City Lbr Co vs A Shaffer and T Tyndall.....\$620.70	
March 26, 1930—W DIVISADERO 50 S Washington S 50 x W 120. M S and S M Greenberg as M Green- berg's Sons vs John Buchanan, P A Mukicevich & Wm McIntosh, B S Vanning and Lacey & Schultz\$105.56	
April 1, 1930—N GREENWICH ST 75-6 W Gough St W 47 x N 108. Leroy Olson Co and C Leroy Ol- son vs Chas Martin, Robt F Mey- ers, Meyers Mfg Co, MacMar- Stores, Ltd.....\$343.15	
March 29, 1930—LOTS 7A, B and C Blk 7032A map of Subdiv. No 2. Geneva Terrace. C F Reinhardt & Co, Inc vs A J Kronquist and L Glicksburg.....\$1872.43	
March 29, 1930—LOT 7A BLK 1030 25x137-6. J L Foster vs Mrs A C McDonald.....\$58.50	

RELEASE OF LIENS

San Francisco County

Recorded	Amount
April 1, 1930—NW 28th & NOE 25th St. B Milano, Daly City Lime & Cement Co. vs.; James Young and David Broom, \$345, to O E Evans.....	

April 1, 1930—E 25th AVE 175 N Rivera N 25 x E 120. California Construction Co to Rudolph Haefner \$438.75

March 28, 1930—N CLAY ST 160-6 E Larkin St E 19 N 60 and N 80 W 19 S 80. Jones Bros Asbestos Supply Co to John De Benedetti (two releases)

March 25, 1930—W BARILETT ST 240 S 24th St S 68 x W 117-6. Jones Bros Asbestos Supply Co to J E Carne

March 25, 1930—E 14th AVE and S Taraval St E 60 x S 100. Jones Bros Asbestos Supply Co to Clifford S Alfred

March 31, 1930—SW GIRARD 25 NW Harkness Ave ptn Lot 1 Blk 30. Paul Tract and ptn lot 19 blk 3 Paul Reservation Hd. S Rosen to R A and R V Cahalan

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Am't.
358	Gilmore	Owner	3700
359	Alden	Cederborg	1100
360	Brown	Owner	5000
361	Cantino	Icardi	3800
362	Stuck	Whalin	8000
363	Castillo	Owner	4000
364	Weaver	Wieben	28000
365	Gastrein	Owner	2300
366	Kroll	Kroll	100000
367	Lindquist	Owner	3100
368	Minssen	Owner	5300
369	Shoemard	Lodge	3000
370	Seifert	Owner	7500
371	Schuster	Owner	60000
372	Stockholm	Owner	3225
373	National	Owner	1500
374	Nygaard	Dangaard	1000
375	Waldman	Owner	3150
376	Alameda	Owner	2400
377	Alaska	Kitchen	75000
378	Better	Owner	5000
379	U. S.	James	1500
380	Archbishop	Brennan	12180
381	Conlogue	Owner	3100
382	Drennon	Netherby	4500
383	Justice	Owner	4000
384	Levy	McLaughlin	45000
385	Ryan	Dolan	5000
386	Weaver	Owner	4950
387	Irvine	Lindsay	5000
388	Helburn	Warn	1000
389	Lenz	Owner	1500
390	Muller	Peters	3900
391	Rockwell	Owner	40000
392	Howell	Glasgow	7500
393	Buckland	Owner	45000
394	Chambers	Owner	1000
395	Crew	Flagg	6000
396	French	Owner	1570
397	Leekins	Owner	3250
398	Springman	Thrams	1600

WAREHOUSE & GARAGE

(358) 640 GILMAN ST., Berkeley; 1-story corrugated iron warehouse and garage.

Owner and Builder—Gilmore Oil Co., 2423 E 28th St., Los Angeles.

Architect—W. H. Carr, 1472 University Ave., Berkeley. \$3700

ADDITION

(359) 1047 SUNNYHILLS RD., Oakland; addition.

Owner—Mrs. H. O. Alden.

Architect—None.

Contractor—A. Cederborg, 1455 Excelsior Ave., Oakland. \$1100

DWELLING

(360) S 44th ST. 200 W Webster St.; Oakland; one-story 8-room 2-family dwelling.

Owner and Builder—John R. Brown, 441 44th St., Oakland.

Architect—None. \$5000

DWELLING

(361) E LUSK ST. 100 S 42nd St., Oakland; one-story 4-room dwelling.

Owner—Phil Cantino, 991 43rd St., Oakland.

Architect—None.

Contractor—A. Icardi, 972 Aileen St., Oakland. \$3800

DWELLING & GARAGE

(362) 1480 TRESTLE GLEN Road, Oakland; two-story 7-room dwelling and 1-story garage.

Owner—Eva Stuck, 1501 Madison St., Oakland.

Architect—None.

Contractor—W. E. Whalin, 875 Paramount Road, Oakland. \$8200

RESIDENCE

(363) 2210 BROWNING ST., Berkeley; one-story 6-room 1-family frame residence.

Owner—C. Castillo, 2323 8th St., Berkeley.

Architect—A. E. Correia, 1217 Henry St., Berkeley. \$4000

RESIDENCE

(364) 131 LA SALLE AVE., Piedmont; two-story ten-room frame residence and garage.

Owner—A. S. Weaver, 2274 Washington St., San Leandro.

Architect—Miller and Warnecke, Financial Center Bldg., Oakland.

Contractor—A. C. Wieben, 337 17th St., Oakland. \$28,000

ADDITION

(365) 2438 21st AVE., Oakland; addition.

Owner and Builder—Mary Gastrein, 2438 21st Ave., Oakland.

Architect—None. \$2200

APARTMENTS

(366) 286 LENNOX AVE., Oakland; six-story 108-room concrete apts.

Owner—F. Kroll, 512 Glenview Ave., Oakland.

Architect—Willis C. Lowe, 354 Hobart St., Oakland.

Contractor—A. Kroll, 512 Glenview Ave., Oakland. \$100,000

DWELLING

(367) N IDLEWOOD 180 W 82nd Ave. Oakland; one-story 5-room dwelling and 1-story garage.

Owner and Builder—Chas. W. Lindquist, 4101 Brookdale Ave., Oakland.

Architect—None. \$3100

DWELLING

(368) SE COR. LIGGET DRIVE and Hampton Rd., Oakland; two-story 6-room dwelling and 1-story garage.

Owner and Builder—Geo. H. Minssen, 19 Yosemite Ave., Oakland.

Architect—None. \$5300

DWELLING & STORE

(369) N CASTLEWOOD AVE. 150 W Jones, Oakland; one-story 5-room dwelling and store.

Owner—Mrs. Shoemard, 12th & Chestnut, Oakland.

Architect—W. W. Dixon, 1844 Fifth Ave., Oakland.

Contractor—C. F. Lodge, 749 Collier Drive, Oakland. \$3000

STORES

(370) NE COR. PIEDMONT & Ramona Aves., Oakland; one-story stores.

Owner and Builder—Seifert Floral Co., 4490 Piedmont Ave., Oakland.

Architect—Miller and Warnecke, Financial Bldg., Oakland. \$7500

APARTMENTS

(371) W MONTGOMERY ST. 249 S Ridgeway, Oakland; three-story 69-room apartments.

Owner and Builder—Harry Schuster, 2424 Curtis St., Berkeley.

Architect—Harry K. Jensen, Builders' Exchange, Oakland. \$60,000

STORE

(372) E HIGH ST. 75 N Brookdale Ave., Oakland; one-story store.

Owner & Builder—A. Stockholm, 2212 21st Ave., Oakland. \$3225

ALTERATIONS

(373) 4134 WOODRUFF AVE., Oakland; alterations.

Owner and Builder—G. E. Thompson, 1021 Norwood Ave., Oakland.

Architect—None. \$2000

DWELLING

(374) 1850 CLEMENS ROAD, Oakland; one-story 5-room dwelling.

Owner—Mrs. R. Williams.

Architect—None.

Contractor—A. H. Monez, 4350 Bridgeview Ave., Oakland. \$3500

ALTERATIONS

(375) NW ELEVENTH AND WASHINGTON, Oakland. Alterations.

Owner—National Stores, Premises.

Architect—None. \$1500

ADDITION

(374) NO. 1744 102ND AVE., Oakland Addition.

Owner—T. A. Nywgaard, Premises.

Architect—None.

Contractor—S. Dangaard, 1297 64th Ave., Oakland. \$1000

DWELLING

(375) NO. 2355 PARKER AVE., Oakland. One-story 5-room dwelling and one-story garage.

Owner—A. E. Waldman, 331 17th St., Oakland. \$3150

HANGAR

(376) ALAMEDA AIRPORT, West Alameda. One-story steel hangar.

Owner—Alameda Airport, Inc., West Alameda, 550 Howard St., San Francisco.

Architect—None. \$24,000

REPAIRS

(377) FOOT OF JAY ST., Encinal Terminals, Alameda. Repair fire damage to woon wharf.

Owner—Alaska Packers Co., Inc.

Architect—Owner.

Contractor—A. W. Kitchen, 110 Market St., San Francisco. \$75,000

DWELLING

(378) NO. 1801 HIGH ST., Alameda. Two-story 6-room frame and stucco dwelling.

Owner—Better Homes Corp., 2300 Mitchell St., Oakland.

Architect—Owner. \$5000

RETAINING WALL

(379) NE BLANDING AVE AND Oak St., Alameda. Concrete retaining wall.

Owner—U. S. Refining Co., Los Angeles.

Architect—Owner.

Contractor—J. C. James, 1601 87th Ave., Oakland. \$1500

HOME

(380) SW COR. E 17th St. and 62nd Ave., Oakland; two-story 13-room home.

Owner—Archbishop of San Francisco.

Architect—Masten & Hurd, 210 Post St., San Francisco.

Contractor—J. P. Brennan, 2820 Regent St., Berkeley. \$12,130

DWELLING

(381) 2647 HAVENSCOURT BLVD., Oakland; one-story 5-room dwelling and garage.

Owner and Builder—F. W. Conlogue, 259 Church St., Oakland.

Architect—None. \$3100

DWELLING

(382) W VICTOR AVE. 160 N Vir-den, Oakland; two-story 6-room dwelling.

Owner—G. L. Drennon.
 Architect—None.
 Contractor—W. A. Netherby, 3853 Lyman Road, Oakland. \$4500

DWELLING
 333 802 CARY DRIVE, San Leandro; six-room frame and stucco dwelling.
 Owner—N. F. Justice, Pearl and Calhoun Sts., Alameda.
 Architect—None. \$4000

ALTERATIONS
 384 1121 BROADWAY, Oakland; alterations.
 Owner—Levy Estate.
 Architect—F. Frederick Amandes, 1123 Hearst Bldg., San Francisco.
 Contractor—Jas. L. McLaughlin Co., 251 Kearny St., San Francisco. \$45,000

DWELLING
 335 5057 COCHRANE ST., Oakland; one-story 6-room dwelling.
 Owner—T. A. Ryan, 396 17th St., Oakland.
 Architect—None.
 Contractor—Leo J. Dolan, 396 17th St., Oakland. \$5000

DWELLING
 336 771 LEE AVE., San Leandro; six-room frame and stucco dwelling.
 Owner & Builder—P. B. Weaver, 4633 San Sebastian Ave., Oakland.
 Architect—None.

DWELLING
 337 750 VINCENT AVE., Berkeley; one-story 5-room 1-family frame residence.
 Owner—I. E. Irvine, 2534 College Ave., Berkeley.
 Architect—None.
 Contractor—S. L. Lindsey. \$5000

ALTERATIONS
 338 873 21st ST., Oakland; alterations.
 Owner—M. Helburn, 427 7th St., Oakland.
 Architect—None.
 Contractor—Warn Bros., 419 E Merle Court, San Leandro. \$1000

DWELLING
 339 REAR 4524 THOMPSON STREET, Oakland; one-story 3-room dwelling.
 Owner and Builder—W. H. Lenz, 1216 E 11th St., Oakland.
 Architect—None. \$1500

ALTERATIONS
 340 1418 WEBSTER ST., Oakland; alterations.
 Owner—Hugo Muller, 1443 Webster St., Oakland.
 Architect—None.
 Contractor—L. A. Peters, 916 Erie St., Oakland. \$3900

ALTERATIONS
 341 SE COR. 38th ST. and Manila Avenue, Oakland; three-story 54-room apartments.
 Owner and Builder—N. E. Rockwell, 640 E 15th St., Oakland.
 Architect—Chester H. Treichel, 409 American Bank Bldg., Oakland. \$40,000

RESIDENCE
 342 1721 SPRUCE ST., Berkeley; 2-story 7-room 1-family frame residence.
 Owner—Eliza Howell, 1423 Oxford St., Berkeley.
 Architect—J. W. Plachek, Mercantile Bank Bldg., Berkeley.
 Contractor—W. L. Glasgow, 535 Arlington Ave., Berkeley. \$7500

APARTMENTS
 343 W MERRITT AVE. 55 S. Cleveland, Oakland; three-story 48-room apartments.
 Owner—G. L. Drennon.
 Architect—None.
 Contractor—W. A. Netherby, 3853 Lyman Road, Oakland. \$4500

Owner and Builder—H. E. Buckland, 541 Merritt Ave., Oakland.
 Architect—C. H. Treichel. \$45,000

ALTERATIONS
 (394) 4236 MONTGOMERY ST., Oakland; alterations.
 Owner and Builder—J. F. Chambers, 727 14th St., Oakland.
 Architect—None. \$1000

DWELLINGS
 (395) S HYDE ST. 285 and 315 E Fruitvale Ave., Oakland; two 1-story 5-room dwellings.
 Owner—Mrs. V. B. Crew, 3566 Lakeshore Ave., Oakland.
 Architect—None.
 Contractor—John S. Flagg. Each \$3,000

DWELLING
 (396) 856 AILEEN ST. (rear), Oakland; one-story 3-room dwelling.
 Owner and Builder—Mrs. Martha French, 856 Aileen St., Oakland.
 Architect—None. \$1570

DWELLING
 (397) 2501 SCENIC AVE., Oakland; one-story 5-room dwelling and 1-story garage.
 Owner and Builder—C. W. Leekins, 750 Rand Ave., Oakland.
 Architect—None. \$3250

ADDITION
 (398) 1475 SUNNYHILLS RD., Oakland; addition.
 Owner—G. H. Springman, 1475 Sunnyhills Road, Oakland.
 Architect—None.
 Contractor—C. H. Thrans, 28 Home Place, Oakland. \$1600

BUILDING CONTRACTS

Alameda County

53 Regents U. C.	Berkeley	\$209
54 Same	Lesure	48690
55 Same	Lesure	4445
56 Training School	McCullough	18315
57 Howell	Glasgow	7417

METAL WORK

(53) ADJOINING Agricultural Hall on NE Campus at U. C., Berkeley; special ornamental metal work on Giannini Hall.
 Owner—Regents of the University of California.
 Architect—Wm. C. Hays, 2924 Derby St., Oakland.
 Contractor—Berkeley Craftsmen, 2905 Shattuck Ave., Berkeley.

Filed Mar. 27, '30. Dated Mar. 22, '30.
 10th day of each month.....75%
 Usual 35 days.....25%
TOTAL COST, \$8,209
 Bond, \$4,104.50. Sureties, Pacific Indemnity Co. Limit, 3 months. Plans and Spec. filed.

HEATING PLANT

(54) CAMPUS University of California, Berkeley; all work on central heating plant.

Owner—Regents of the University of California.
 Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.
 Contractor—E. T. Lesure, 87 Ross Circle, Oakland.
 Filed and Dated March 27, 1930.

1st day of each month.....75%
 Usual 35 days.....25%
TOTAL COST, \$48,690
 Two Bonds, each \$30,000. Sureties Union Indemnity Co. Forfeit, \$100 per day. Limit, 120 calendar days. Plans and Spec. filed.

TUNNEL CONNECTION

(55) CAMPUS University of California, Berkeley; all work on utility tunnel connection.

Owner—Regents of the University of California.
 Architect—None.

Contractor—E. T. Lesure, 87 Ross Circle, Oakland.
 Filed and Dated March 27, 1930.
 1st day of each month.....75%
 Usual 35 days.....25%

TOTAL COST, \$4,445
 Two Bonds, each \$5,000. Sureties, Union Indemnity Co. Forfeit, \$25 per day. Limit, 100 calendar days. Plans and Spec. filed.

DORMITORY

(56) PTN LOTS 8, 10, 11, 12, 14 and 16 Blk 1, Daley's Scenic Park, Berkeley; all work on dormitory.

Owner—Deaconess Training School of the Pacific, Berkeley.
 Architect—W. H. Ratcliff, Jr., Chamber of Commerce Bldg., Berkeley.
 Contractor—C. H. McCullough, 1634 Berkeley Way, Berkeley.
 Filed and Dated March 28, 1930.

When frame is up.....\$4578.75
 First coat of plaster.....4578.75
 When completed.....4578.75
 Usual 35 days.....4578.75
TOTAL COST, \$18,315
 Bond \$18,315. Sureties, National Surety Co. Forfeit, \$10 per day. Limit, 80 working days. Plans and Spec. filed.

RESIDENCE

(57) PTN LOTS 22 and 23 BLK 1, Martin Kellogg Ppty, Berkeley; all work on 2-story and part basement residence.

Owner—Mrs. Eliza M. Howell, 1423 Oxford St., Berkeley.
 Architect—James W. Plachek, Merchants Bank Bldg., Berkeley.
 Contractor—W. L. Glasgow, 535 Arlington, Berkeley.
 Filed Mar. 31, '30. Dated Mar. 27, '30.

1st day of month.....75%
 Usual 35 days.....25%
TOTAL COST, \$7417
 Bond, \$7417. Sureties, Fidelity and Deposit Co. of Maryland. Limit, 80 working days.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
March 25, 1930—PTN LOT 7, 68th Ave Acres, Oakland. Chas Wiren to whom it may concern.....	March 25, 1930
March 26, 1930—1143 55th ST, Oakland. Auguste Dangles to Gaubert Bros.....	March 18, 1930
March 24, 1930—1506 FOURTH Ave, Oakland. L and Rose Nathanson to whom it may concern.....	March 24, 1930
March 25, 1930—1109 MASONIC Ave, Albany. Ethel Petheram Gould to whom it may concern.....	March 22, 1930
March 27, 1930—SW COR KING and Lincoln Ave, Piedmont. H P Bancroft, Inc to Frank G Appelle.....	March 24, 1930
March 27, 1930—LOT 13 BLK A, Colonial Acres. Christina Baele to J O Young.....	March 21, 1930
March 27, 1930—21 LA SALLE AVE, Piedmont. Fritz Henshaw to A Cederborg.....	March 18, 1930
March 27, 1930—4500 ALLENDAL AVE, Oakland. John Lehman to whom it may concern.....	March 20, 1930
March 27, 1930—4422 ALLENDAL AVE, Oakland. John Lehman to whom it may concern.....	March 20, 1930
March 27, 1930—LOT 19 BLK 9, Thousand Oaks, Berkeley. Aaro Niska to whom it may concern.....	March 24, 1930
March 27, 1930—SW COR CHANNING Way and Milvia St, Berkeley. Jethro S Clapton to J W Monroe.....	March 25, 1930
March 27, 1930—LOT 10 BLK A, Sims Knoll. Wm H Sims to whom it may concern.....	March 27, 1930
March 27, 1930—LOT 9 BLK A, Sims Knoll. Wm H Sims to whom it may concern.....	March 27, 1930

March 31, 1930—LOT 3 BLK H, Claremont Pines, Oakland. Rose Wagner Croninger to whom it may concern.....March 28, 1930

March 31, 1930—6122 CAMDEN ST., Oakland. Carl H. Anderson to Self.....March 31, 1930

March 31, 1930—GIANNINI HALL, on campus of U C, Berkeley. Regents of the University of California to Leonard Bosch.....March 27, 1930

March 31, 1930—LOTS 14, 15, 16, 17, 18 and 19 BLK 2, North Alameda Tract, Oakland. Frank S Frazz and Antone Ramos to Walter H. Anderson.....March 27, 1930

March 29, 1930—PTN LOT 16 BLK S, Amended Map of Moss Tract, Oakland. Carl Johnson to whom it may concern.....March 27, 1930

March 29, 1930—NW GROVE AND Twenty-fourth, Oakland. Frederick A Miller to O F Aldon.....March 22, 1930

March 29, 1930—PTN LOT 6 BLK C Montclair Estates, Oakland. Wm J Rhodes to whom it may concern.....March 29, 1930

March 29, 1930—S ELEVENTH ST. 90% E Washington St., Oakland. Retail Center Garage, Ltd to Barrett & Hilp (not given).....March 27, 1930

March 29, 1930—4016 PATTERSON Ave, Oakland. A L Bailey to whom it may concern.....March 27, 1930

April 1, 1930—PTN LOTS 12 and 13, Winfield Place, Berkeley. Albin Leino to whom it may concern.....March 28, 1930

April 1, 1930—SW 14th and Jefferson Sts, Oakland. D C Armanino to whom it may concern.....March 28, 1930

April 1, 1930—LOTS 18 and 19 and ptn Lot 17 Blk 1, The Berry-Bangs Tract, Berkeley. West American Finance Co to J N Jensen.....March 31, 1930

April 1, 1930—35 MUIR AVE, Piedmont. L B Hoge to C Dudley DeVelbiss.....March 31, 1930

Lumber Co to John Holm, Conrad Foertsch.....\$55.23

March 29, 1930—30 ACRE TRACT near Mt. Eden, Eden Township. Stowe-Lima Lumber Co to Oreste and Elsie Santucci.....\$2463.91

OAKLAND REPORTS \$1,132,083 BUILDING FOR MARCH

A. S. Holmes, chief building inspector of Oakland, reports the issuance of 353 building permits in March for improvements involving an expenditure of \$1,132,083. During the corresponding period in 1929, Holmes issued 466 permits for projects costing \$1,896,240.

The following is a segregated listing of the permits issued during the past month:

Class. of Bldgs.	No. P'mts	Cost
1-story dwelling	43	\$ 140,800
1-sty. 2-fam. dwell.	4	18,250
1-sty. 3-fam. "	1	4,850
1-sty. 2-fam. dwell. and stores	1	6,000
2-story dwellings	11	74,350
3-story Apts.	4	192,400
1-story stores	2	21,930
1-story office	2	5,000
1-story shop	1	1,800
1-story lunch room	1	1,500
2-story warehouse	1	2,500
2-story school	1	27,400
2-story home	1	12,180
1-story tile office	1	800
1-story brick shop	1	5,100
2-story brick whse.	1	32,000
Brick addition	1	128,000
1-story brick & tile cleaning works	1	10,000
2-story conc. creamery	1	56,800
6-story conc. apts.	1	100,000
1-story steel ser. sta.	3	1,500
Steel tower	1	1,800
Billboards	6	1,100
Electric signs	43	11,553
1-story gar. & sheds	60	10,960
Additions	61	157,609
Alters. and repairs	98	106,396
Total	359	\$1,132,083

BUILDING CONTRACTS

SAN MATEO COUNTY

HEATING & PLUMBING

NEAR MILVIA; heating and plumbing for club house.

Owner—Union League Golf & Country Club, San Francisco.

Architect—Willis K. Polk, 277 Pine St., San Francisco.

Contractor—Scott Co., Inc., 243 Minna St., San Francisco.

Filed Mar. 19, '30. Dated Mar. 6, '30.

Progress payments 75%

Usual 35 days 25%

TOTAL COST, \$11,343

Limit, Aug. 6, 1930. Spec. filed.

RESIDENCE

LOT 25 BLK 4, Baywood; all work on two frame and stucco residences.

Owner—N. W. Schneider, 176 Eastwood, San Francisco.

Architect—E. E. Cavasso, Balovich Bldg., San Mateo.

Contractor—Minton Lumber Co., Mt. View.

Filed Mar. 21, '30. Dated Mar. 15, '30.

Progress payments 75%

Usual 35 days 25%

TOTAL COST, \$18,613

Bond, \$18,613. Sureties, Standard Accident Ins. Co. Limit, 110 working days. Plans and Spec. filed.

BUILDINGS

NEAR MILLERAE at Golf course; all work for two reinforced concrete and stucco buildings.

Owner—Union League Golf & Country Club.

Architect—Willis Polk & Co., 277 Pine St., San Francisco.

Contractor—Charles T. Magill, 185 19th Ave., San Francisco.

Filed Mar. 19, '30. Dated Mar. 6, '30.

Progress payments 75%

Usual 35 days 25%

TOTAL COST, \$44,915

Bond, \$22,456.50. Limit, Aug. 6, 1930.

Plans and Spec. filed.

RESIDENCE

ADAMS ST. AND JEFFERSON AVE.

Redwood City. All work for one-story frame and stucco residence.

Owner—Ernest Locatelli, Redwood City.

Designer—Gus Waller, 211 Hudson St., Redwood City.

Contractor—L. F. Bourquin, 211 Bradford St., Redwood City.

Filed Mar. 25, '30. Dated Mar. 19, '30.

Roof on\$1293.75

Plastered 1293.75

Completed 1293.75

Usual 35 days 1293.75

TOTAL COST, \$5175.00

Bond, limit, forfeit, none. Plans and specifications filed.

SHOP

PART LOTS 2 AND 3 BLK 2, Diller Addition, Redwood City. All work for one-story frame and stucco shop building.

Owner—J. U. Swift, Redwood City.

Architect—J. P. Reineohl.

Contractor—L. F. Bourquin, 211 Bradford St., Redwood City.

Filed Mar. 25, '30. Dated Mar. 17, '30.

TOTAL COST, \$5300

Bond, none. Limit, 100 working days.

Forfeit, none. Plans and specifications filed.

STORE BLDG.

S THIRD AVE., San Mateo. All work for one-story reinforced concrete store building.

Owner—Martin Stelling Jr., et al, 155 Montgomery St., San Francisco.

Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.

Contractor—Young & Hortsmeier et al, 461 Market St., San Francisco.

Filed Mar. 25, '30. Dated Mar. 25, '30.

As work progresses 75%

Usual 35 days 25%

TOTAL COST, \$8594

Bond, \$4297 (Guaranteed). Limit, United States Guaranty Co. of New York. Limit, 65 working days.

Forfeit, none. Plans and specifications filed.

STORE BLDG.

SE COR THIRD AVE., San Mateo. All work for two-story reinforced concrete store building.

Owner—Martin Stelling Jr., et al, 155 Montgomery St., San Francisco.

Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.

Contractor—Young & Hortsmeier et al, 461 Market St., San Francisco.

Filed Mar. 25, '30. Dated Mar. 25, '30.

As work progresses 75%

Usual 35 days 25%

TOTAL COST, \$14,830

Bond, \$7418 (Guaranteed). Surety, United States Guaranty Co. of New York. Limit, 65 working days.

Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

BUNGALOW and garage, \$3500; 900 S Grant S 40 of lots 5 and 6 blk 21; owner, R. C. Leibig; contractor, A. Fowers, 515 S Humbolt, San Mateo.

STORE and apts., \$6000; Lot 4 Blk 1, S Boulevard; owner, Wallace Waterhouse, 718 N El Camino Real, San Mateo.

RESIDENCE, \$27,000; Lots 8 and 9 Blk 6, Georgetown; owner, S. T. Mangialigi; contractor, P. Garelli.

LIENS FILED

Alameda County

Recorded	Amount
March 26, 1930—929 KEY ROUTE Blvd, Albany. E K Wood Lumber Co to A and Joseph Catrini.....\$92.22	
Ave, Berkeley. Hader vs J E Bowldy, J and Jane Doe, Hady H Baldwin, Calif. State, Albany Bldg & Loan Assn.....\$247	
March 31, 1930—1223-25 CORNELL	
March 28, 1930—LOT 3 BLK N, ppty of the Pioneer Homestead Assn, Alameda. L E Morgan vs Ennl and Josephine Ichters.....\$523	
March 27, 1930—SECTIONS 26 and 27 Twp 3S Range 3E M O B and M, Livermore Valley. Fred Hosac vs W H and Jan Doe Ryan, Allen Smith.....\$95.50	
March 27, 1930—LOT 91, Sheet No 1, Arbor Villa, Oakland. Jacobs & Pattiani vs J W and Elsa E Woods.....\$11,234.90	
March 27, 1930—LOT 70, Buena Vista Homestead, Oakland. W Buntain and C Nannetti vs Chris C and Daisy Riewerts, Antone Pessagno, Thomas G Jacques.....\$1220	
March 26, 1930—LOT 70 Buena Vista Homestead, Oakland, (420 Hawthorne St). Berkeley Electrical Co vs Chris and Daisy Riewerts, Antone Pessagno, Thos G Jacques.....\$1170.55	

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
March 27, 1930—LOT 15 BLK 6, Mathews Tract, Berkeley. Tilden	

RESIDENCE, \$9,000; Lot 8 Blk 4, Edinburgh; owner, O. N. Newkom, 156 13th Ave., San Mateo; contractor, A. Newkom, 156 13th Ave., San Mateo.

BUNGALOW and garage, \$4,000; 1238 Pine St.; owner and builder, J. E. Bale, 806 Highland Ave., San Mateo.

RESIDENCE, \$5,000; 860 N Idaho St.; owner and builder, G. L. Smith.

BUNGALOW, \$4,000; E Ptn Lot 12, Greenwood; owner, W. Whiteker; contractor, Frank Perrea, 712 5th Ave., San Mateo.

RESIDENCE, \$10,000; S 64 ft Lot 25 Blk 26, Hurlingham; owner, A. E. Johnson, 235 Clark Drive, San Mateo.

BUNGALOW and garage, \$4,700; 750 Chester Way SW lot 237; owner, Mary A. White; contractor, R. A. White, 771 Edgewood Road, San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
March 22, 1930—LOT 20 BLK 24, Lyon & Hoag Sub., Burlingame. Morris Soergens to whom it may concern.....March 21, 1930

March 24, 1930—LOT 14 B, San Mateo. Rose Belli to Vittorio Pera.....March 19, 1930

March 24, 1930—LOTS 13 AND 15 Blk 24, Lyon & Hoag Sub., Burlingame. D Houle to William Kappler.....March 15, 1930

March 24, 1930—LOT 4 BLK 44, Eastman Addition to Redwood City. Manuel Tilano Moreno et al to whom it may concern.....March 1, 1930

March 24, 1930—LOT 9 BLK K, Hillsborough. W O Nicolaidis to whom it may concern.....March 24, '30

March 25, 1930—PART LOT 4 BLK 5, Lomita Park. O H Taylor to whom it may concern.....March 24, 1930

March 26, 1930—LOT 11, Middlefield Park, San Mateo. P H Banfield et al to whom it may concern.....March 22, 1930

March 26, 1930—PART LOTS 20, 21 and 22 Blk 11, Central Park, San Mateo. Beatrice Beattie to Thos Jefferson.....March 20, 1930

March 26, 1930—LOTS 11 AND 12 Blk F, Baywood Park. Nora H Rohrer to L A Belcher.....March 25, 1930

March 26, 1930—WOODLAWN Cemetery. F C Hotaling to American Monumental Co.....March 19, 1930

March 27, 1930—LOT 6 BLK 16, Lomita Park. W J Sawin to whom it may concern.....March 24, 1930

March 28, 1930—BELMONT. Roman Catholic Bishop to H H MacDonald.....March 24, 1930

March 28, 1930—LOT 44 BLK 13, Burlingame. Richard Wernick et al to T C Farris.....March 27, 1930

March 28, 1930—LOT 18 BLK 24 Crocker Estate Tract, San Mateo. A J Dalton to whom it may concern.....March 24, 1930

March 29, 1930—PART LOTS 5, 6 and 7 Blk 9, East San Mateo. Ashley Powers et al to whom it may concern.....March 28, 1930

March 31, 1930—LOT 24 BLK 6, Burlingame. G W Williams Co to whom it may concern.....March 28, 1930

Magne\$520

March 22, 1930—PART LOT 1, Johnson Sub., San Mateo. Union Roofing Co vs T C Hughes.....\$46.50

March 24, 1930—WHIPLE ROAD, Redwood City. San Carlos Feed & Fuel Co vs T C Hughes.....\$472.06

March 24, 1930—LOT 12 BLK 14, Bayview Heights, San Mateo. Pacific Heating Co vs Hans Thompson.....\$122.75

March 24, 1930—LOT 13 R. S. Thornton Tract, San Mateo. Daly City Lumber & Cement Co vs John Brady et al.....\$156.08

March 27, 1930—LOT 17 BLK 20, Milbrae Highlands. C H Moore vs Robert Bowers.....\$56

March 31, 1930—LOT 18 BLK (7 B) Western Addition, San Mateo. C S Hower vs Leo H Davis.....\$85

March 31, 1930—LOT 9 BLK E, Bayview Heights, San Mateo. N S McCartney vs Henry Hannsle et al.....\$170

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Accepted
March 24, 1930—LOT 22 BLK 4, East San Mateo. E D Ward to whom it may concern.....

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
W NINTH ST. AND 318.83 ft. N Julian St N on Ninth, 46.78 ft. th W parl Julian 137.83 to point of beg. being part Lots 19 and 20 Blk 2, Divines Survey No. 1, San Jose. All work for one-story frame residence and garage.
Owner—Gaytan and Lillian Ariento, 340 N-Ninth St., San Jose.
Architect—Wolfe & Higgins, 19 N. Second St., San Jose.
Contractor—G. Leone, 497 N-17th St., San Jose.

Filed Mar. 19, '30. Dated Mar. 18, '30.
Frame up\$1880.59
Roof on 1880.59
Building completed 1880.59
Usual 35 days 1880.59

TOTAL COST, \$7522.35

Bond, \$3761.28. Sureties, Louis Leo and Leonardo Monti, Limit, 90 working days from March 19, 1930. Forfeit, none. Plans and specifications filed.

APARTMENTS

NW FIRST AND OAK STS., San Jose. All work for two-story reinforced concrete and frame store and apartment building and garage.
Owner—Marla and Antonio Saso, San Jose.
Architect—Charles S. McKenzie, Twoby Bldg., San Jose.
Contractor—Joseph Santi, 1291 Masti St., San Jose.

Filed Mar. 25, '30. Dated Mar. 11, '30.
Foundation to grade line.....\$3063.50
Concrete work and frame up 3063.50

Erected and plastered.....3063.50
Apartments & garage comp. 3063.50
Usual 35 days.....4085.00

TOTAL COST, \$16,339.00

Bond, \$16,330. Surety, National Surety Co. Limit, 90 days from March 11, 1930. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
March 17, 1930—LOT 16 Eastmoreland Park, San Jose. H N Traxler to whom it may concern.....March 17, 1930

March 17, 1930—PART LOTS 20 & 21, Adams Subdivision, San Jose. Don L Morris to whom it may concern.....March 14, 1930

March 18, 1930—NW 45 FT. LOT 14, Forest Home Subdn, San Jose. Gibson Wheeler Co, Inc to whom it may concern.....March 18, 1930

March 19, 1930—LOT 10, J. A. Norton Subd., San Jose. Louise G Gray to whom it may concern.....March 17, 1930

March 21, 1930—LOTS 42 AND 47, Amended Stewart Addn No. 2 to Aldercroft Heights, San Jose. L G Hutting et al to whom it may concern.....March 15, 1930

March 21, 1930—LOT 22 BLK 82, Breck Subd., Palo Alto. William Eton Allen and Addie Mae Allen to whom it may concern.....March 19, 1930

March 21, 1930—LOT 9 BLK 1, Lincoln Gates, San Jose. George D McCarty et al to whom it may concern.....March 14, 1930

March 25, 1930—LOT 5 BLK 7 L 5 S Snow and Pettet Addn, Mt. View. Alice Haskell to whom it may concern.....March 24, 1930

March 25, 1930—BEG. 609.21 FT. W White Road and Florence Ave., San Jose. George H Douglass to whom it may concern.....March 24, 1930

March 26, 1930—ON 0.37 AC FT. Lot 2, Duncan Partition of Lot 11 A. Johnson Estate, San Jose. Edward S Cooley et al to whom it may concern.....March 21, 1930

March 28, 1930—PART LOTS 6 & 7, Edgemont. Clyde Alexander et al to whom it may concern.....March 27, 1930

March 28, 1930—PART LOT 12 Subd Estate of A. Johnson, San Jose. Warren A Cottle to whom it may concern.....March 21, 1930

March 28, 1930—LOTS 22 AND 23 Blk 22, Vendome Park, San Jose. A Prager et al to whom it may concern.....March 27, 1930

March 29, 1930—NW ROSA AND NE Fifth Sts., San Jose. R C Washburn to whom it may concern.....March 28, 1930

March 31, 1930—LOT 8 BLK 2, Hevrin Subd, San Jose. Herbert Hevrin to whom it may concern.....March 31, 1930

March 29, 1930—LOTS 11 AND 12 Blk 9, Interurban Park Tract,

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
March 22, 1930—LOT 9 BLK 13, Bayview Heights, San Mateo. Laflerty & Wilson vs Charles F

San Jose. Joseph Francalanzo to whom it may concern. March 27, '30

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
March 18, 1930—SW FLEMING AVE 263.6 ft. SE Alum Rock Ave., San Jose. F W Bauer vs Henry S Borge et al.....	\$10
March 21, 1930—SW PARKINSON Ave and Cedar St W 50xS 100 Part Lot 12 Bk 2, Alba Park Addition, Palo Alto. C E Ashworth vs W G Bell.....	\$39.10
March 21, 1930—LOT 30 Bk 2 Rose Lawn, San Jose. Hubbard & Carmichael vs Onislor Savchenko.....	\$63.55
March 23, 1930—PART LOT 2 BkS 3 and 4 N R 1 E. Giroy. Lee L Mathison vs Marion A McKendry et al.....	\$344.67
March 29, 1930—LOT 12 Bk 1 Hefrin Subd., San Jose. Central Supply Co vs Harriet A Ayres.....	\$304.52
March 29, 1930—LOTS 6 AND 11 Bk 3, Montecitos. M Stulsalt Co vs Bruno Bisceglia et al.....	\$879.91

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame 5-room, bath and garage, \$3250; No. 1435 Jefferson Ave., Redwood City; owner and contractor, E. Davis.
DWELLING, frame, 5 rooms and bath \$5175; No. 263 Jefferson Ave., Redwood City; owner, Ernest Locatelli; contractor, L. Bourquin, 211 Bradford St., Redwood City.
DWELLING, frame, 4 room, bath and garage, \$2000; No. 143 Oxford St., Redwood City; owner, John Downey; contractor, Stanley Schaller, Tuscaloosa, Atherton, Palo Alto.
STORE building, 1-story reinforced concrete, \$8300; No. 221 Washington St., Redwood City; owner, J. W. Swift; contractor, L. Bourquin, 211 Bradford St., Redwood City.

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$5800; Lot 14 Bk 4, Adeline Drive; owner, T. A. Douglass, 1348 Cortez Ave., Burlingame; contractor, A. J. Rhodes.
BUNGALOW, \$3710; Lot 11 Bk 15, Sanchez Ave.; owner, F. Lafitte, 1417 Sanchez Ave., Burlingame; contractor, B. Norberg, 832 Morrell, Burlingame.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$4700 No. 2339 Ramona St., Palo Alto; owner, Louise Engman, 2230 Tasso St., Palo Alto; contractor, Harry Engman, 2230 Tasso St., Palo Alto.
GARAGE, Class A, \$3000; No. 436 High St., Palo Alto; owner, Peter Mullen; contractor, Minton Co., 243 Hamilton St., Palo Alto.
DWELLING, rustic, \$2200; No. 211 Chestnut St., Palo Alto; owner, Marie La Chance, 160 Forest St., Palo Alto.
DWELLING, rustic, \$2200; No. 221 Chestnut St., Palo Alto; owner, Marie La Chance, 160 Forest St., Palo Alto.
ALTER rustic residence, \$3,250; 312 Fulton St.; owner, Henry Stephenson; contractor, P. K. Smith, 160 Cowper, Palo Alto.

BUILDING PERMITS

SAN JOSE

SCHOOL, one-story concrete, \$70,500; McKee Road at 33rd St., San Jose; owner, San Jose School Department; architect, Ralph Wyckoff, National Bank of San Jose Bldg., San Jose; contractor, The Minton Co., 17 N-First St., San Jose.
STATION, super service, concrete, \$8000; First and Williams Sts., San Jose; owner, Standard Oil Co., Sainte Claire Bldg., San Jose; architect, Company Engineer; contractor, Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
GARAGE, concrete, public, \$41,000; Market and Balbach Sts., San Jose; owner, Pichetti Bros., 402 S-First St., San Jose; architect, Binder & Curtis, 35 W-San Carlos St., San Jose; contractor, Thermotte Constr. Co., 490 Stockton St., San Jose.
RESIDENCE, 4-room frame, \$2750; Mt. Hamilton View Drive, San Jose; owner, E. E. Brindos, 1617 Whitton St., San Jose.
RESIDENCE, frame duplex (4 rooms each), \$4000; N. 11th St. near St. James St., San Jose; owner, J. M. Puck, 1175 Minnesota St., San Jose.
RESIDENCE, 6-room frame, \$5800; Shasta St. near Park, San Jose; owner and contractor, Ira Brotzman, 5 Garfield Ave., San Jose.
RESIDENCE, frame, 6 room, \$7750; Fifteenth and Washington Sts., San Jose; owner, Tony Russo, City Hall, San Jose; contractor, Geo. Sinnott, 660 Margaret St., San Jose.
ALTER Class C business building, \$1000; No. 75 S-First St., San Jose; lessee, C. O. Mace, Prem.; contractor, J. C. Thorpe, Bank of Italy Bldg., San Jose.

BUILDING PERMITS

RICHMOND

COTTAGE, 5-room frame and plaster, with garage, \$2500; S S Orchard west of San Pablo; owner & build r, A. J. Osborne, Weuk Ave., Richmond.
COTTAGE, 6-room frame and plaster, with detached garage, \$4500; W S Key Blvd. bet. Barrett & Nevins; owner and builder, Herbert Green 819 Pomona Ave., Albany.
COTTAGE, 5-room frame and plaster and detached garage, \$3500; owner, Mrs. Clevelantine Othoudt, 662 34th Ave., Oakland; contractor, C. E. Nelson, 110 Shasta Avenue, Richmond.
ADD bedroom, bath and laundry to frame cottage, \$1000; 1631 Gaynor; owner and builder, Herbert D. Baker, 1631 Gaynor, Richmond.
COTTAGE, 6-room frame and plaster with garage, \$4500; E S 35th bet. Barrett & Roosevelt, owner, Mary F. Ring, Elk Grove, Calif.; contractor, Geo. J. Gordon, 3120 Barrett, Richmond.
COTTAGE, 5-room frame and plaster with detached garage, \$3700; E S 33rd bet. Rosevelt and Clinton; owner and builder, R. H. Evans, 1087 McLaughlin, Richmond.
COTTAGE, 5-room frame and plaster with detached garage, \$2700; E S Mendocino bet. Burlingame & Plumas; owner and builder, I. S. Graves, 629 Valle Vista, Oakland.
COTTAGE, 5-room frame and plaster, with detached garage, \$3000; E S 36th bet. Roosevelt and Certero; owner and builder, W. T. Head, 129 Euclid Ave., San Leandro.

INSTALL 25x50-ft. mezzanine floor in store, \$1500; 7th and MacDonald; owner, J. C. Penny Co., 7th and MacDonald, Richmond; plans by owner; contractor, F. C. Hasking, 541 Civic Center, Richmond.
BUILDING, 22-50-ft. tile battery and service, \$1000; 34th and Cutting Blvd.; owner and builder, Pullman Service Station, 34th and Cutting Blvd., Richmond.

BUILDING PERMITS

STOCKTON

REMODEL dwelling and garage, \$1,600; 2159 S Sutter St.; owner, L. A. Grade, premises.
REMODEL residence for apartment house, \$4,000; 130 W Poplar St.; owner, M. J. Single, premises.
REMODEL dwelling, \$5000; 117 Sperry Ave., Stockton; contractor, O. H. Chain, Bank of America Bldg., Stockton.
SHED, lumber, \$2500; 48 N Wilson Way; owner, Fisher Bros. Lumber & Mill Co., Wilson Way and Weber St., Stockton.
REMODEL garage, \$6000; No. 918 East Oak St., Stockton; owner, Gloria Ice Cream Co., Premises.
RESIDENCE and garage, \$6250; No. 1525 Oxford Ave., Stockton; owner, H. S. Van Vlear.
GOLF course, \$1000; No. 425 N. California St., Stockton; owner, Mrs. A. C. Brown, 157 W. Ash St., Stockton.

BUILDING CONTRACTS

MARIN COUNTY

LIBRARY, ETC.
COLLEGE GROUNDS, San Rafael
All work for three-story academic and library building.
Owner—Dominican College of San Rafael.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Mar. 12, '30. Dated Mar. 12, '30
On list of each month.....
Usual 25 days.....
TOTAL COST, \$140,471
Bond, \$ —. Surety, Albert Lachman
Limit, 8 months. Forfeit, none. Plans and specifications, none.
RESIDENCE
ROSS. All work for frame residence and garage.
Owner—Jos. C. Stewart and Wife, 1 Palm Ave., San Rafael.
Architect—None.
Contractor—Otis Smith, 89 Elm Ave., San Anselmo.
Filed Mar. 28, '30. Dated Mar. 27, '30
Rough plastered.....
Plastered interior.....
Completion.....
Usual 35 days.....
Contractor ackn. receipt of \$0
TOTAL COST, \$13.5
Bond, none. Limit, 120 working day
Forfeit, none. Plans and specifications filed.
BUILDING CONTRACTS
SAN JOAQUIN COUNTY
BUILDING
CITY OF STOCKTON. All work for four-story and basement building
Owner—S. H. Kress & Co.
Architect—None.
Contractor—Donald E. Metzger (J. S. Metzger & Son).
Filed Mar. 23, '30. Dated Mar. 26, '30
TOTAL COST, \$ —
Bond, none. Limit, August 5, 1930

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
March 14, 1930—ROSS, James C. & David Leach to Leach & Wallace..	
March 25, 1930—WOODACRE, Agnes A St. John to whom it may concern.	March 25, 1930
March 27, 1930—SAN RAFAEL, Ralph C Brehl to Columbus Pierce	Feb. 27, 1930
March 29, 1930—MILL VALLEY, Charles Brockhoff to James Allan	March 27, 1930

LIENS FILED

MARIN COUNTY

Recorded	Amount
March 14, 1930—MILL VALLEY, H J De Vries vs Guy Constr Co	\$332.90
March 17, 1930—MARIN HALF Acres Homes near Mill Valley. Guy Constr Co vs Mr. and Mrs. Thomas Maples	\$1283.37

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
March 28, 1930—NO. 506 BARNETT St., Santa Rosa. A E James to whom it may concern.	March 28, '30
March 29, 1930—LOT 7 BLK 8, Erector Terrace, Santa Rosa, Effie M Coy to whom it may concern.	March 29, 1930
April 1, 1930—LOTS 1, 2 AND 3, Ideal Poultry Farms Subd. Wanda Anita King and Guy A King to whom it may concern.	March 31, '30

LIENS FILED

SONOMA COUNTY

Recorded	Amount
March 22, 1930—PART LOT 1, Chartrand & Boyds Addition to Santa Rosa. Sterling Lumber Co vs Poultry Producers of Central California and Petaluma Bldg & Constr Co.	\$1012.50 and interest
March 25, 1930—10 ACRES PART of Allotment No. 9, Rancho Roblar de la Miseria. Mead Clark vs Armon Din; Armil Din; Myrtle Din and Thomas L Slattery.	\$764.50
April 1, 1930—E 125 FT. LOT 28 Blk 3, Benton's Addn to Santa Rosa. Truitt - Fuller Lumber Co. vs Delphia E and J C Arrowood	\$32.50

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
March 17, 1930—PTN SEC 24, T3 N., Ralph E and Ella B Wetmore to Frank P Guyon.	March 12, 1930
March 27, 1930—LOTS 8 and 10 Blk 32, Victory Park Terrace. Ollie L Fields to F P Dobson.	March 27, 1930
April 1, 1930—LOTS 10 AND 12 BLK 73 E of Center St. known as No. 330 N. Hunter St., Stockton. C M Menzies, Inc to Fay R Zinck.	March 31, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded	Amount
March 28, 1930—LOTS 10 AND 11 Blk 39, Tracy. Good Lumber Co	

vs E M Saragosa	\$410.30
April 1, 1930—S ½ NW ¼ SEC 14 T S R 9 E N 40 acres SW ¼ of Sec 14 T 1 S R 9 E, Stockton. Hayward Lumber & Investment Co vs Harry B Fowler.	\$152.99
March 31, 1930—LOTS 10 AND 11 Blk 39, City of Tracy. F H Johnson vs E M Saragosa and wife.	\$80

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
March 27, 1930—LOTS 16 AND 17 Blk 167, La Loma Terrace, 11th Addition to Carmel-by-the-Sea. Chas T Lillard to whom it may concern.	March 26, 1930
March 29, 1930—LOTS 1 & 3 BLK 1, Withers Addition to City of Monterey. H A Bewley to J C Anthony.	March 28, 1930
March 31, 1930—PART LOTS 11 & 12 Blk 1, Spring & Abbott's Addition to Salinas City. Salinas Finance & Investment Co to whom it may concern.	March 31, 1930
March 31, 1930—N 20 FT. LOT 7 and S 20 ft. Lot 6 Blk 1, Spring & Abbott's Addition to Salinas City. Salinas Finance & Investment Co to whom it may concern.	March 31, 1930
March 31, 1930—LOT 9 BLK 2, Spring & Abbott's Addition to Salinas City. Salinas Finance & Investment Co to whom it may concern.	March 31, 1930

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
March 27, 1930—LOTS 11 AND 13 Blk 128 Third Addition to Pacific Grove Retreat. Homer T Hayward Lumber Co to Daniel S and Anna M Boughton	\$338.08

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 7-rooms, \$6000; No. 1733 39th St.; owner, Dr. E. L. Ford; 27th and F Sts., Sacramento; contractor, Klein Realty Co.	
GENERAL repairs, \$2000; No. 900 J St., Sacramento; owner, F. J. Ruhstaller, Premises; contractor, A. J. Fisher.	
STATION, service, \$2500; No. 2900 Freeport Blvd., Sacramento; owner, Allen R. Johnson, 1049 38th St., Sacramento; contractor, Strope & Ramsey.	
RESIDENCE, 8-room, \$9950; No. 3981 J St., Sacramento; owner, N. H. Lund, 3300 Cutter Way, Sacramento.	
BUILDING, Live Stock, \$142,671; State Fair Grounds; owner, State of California; contractor, Mc Gilvray Const. Co., Polson Blvd. and 65th St., Sacramento.	

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
March 29, 1930—LOT 67 Western Pacific Addn known as No. 3380 Pacific Ave., Sacramento. Hilda Bell to whom it may concern.	March 25, 1930
March 29, 1930—SACRAMENTO, Southern Pacific Co to whom it may concern.	March 22, 1930
March 21, 1930—LOT 143 W. & K. Tract No. 3, Sacramento. A G Freeman to whom it may concern	

March 25, 1930—LOT 57 Beyerford Heights, Sacramento. Thos and Eva M McMahon to whom it may concern.	March 24, 1930
March 26, 1930—LOT 10, Sacramento View. Gustave Schultze and wife to whom it may concern.	
GENERAL repairs, \$2400; No. 1010 K St., Sacramento; owner, Hart Realty Co., Premises; contractor, Campbell Constr. Co., 800 R St., Sacramento.	March 20, 1930
RESIDENCE, 6-room, \$5500 No. 3029 Fourth Ave., Sacramento; owner and contractor, O. H. Moore, 2918 35th St., Sacramento.	

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
March 28, 1930—LOT 7815 Goethe Sub 73 known as No. 4565 Tenth Ave., Sacramento. Dolan Building Material Co vs Paul Horrel, Jos Pedone, Clyde Brand and Chris Jones.	\$355.71
March 29, 1930—E ½ LOT 7, K, L, 17th and 18th Sts., known as No. 1711 L St., Sacramento. Superior Lumber & Fuel Co vs Frank Quadros	\$169.49
March 29, 1930—LOT 34, Crescent Park, Sacramento. F C De Camp (as Sacramento Tile & Marble Co) vs Richard L Spore.	\$250
March 29, 1930—E ½ LOT 7 K, L, 17th and 18th Sts., Sacramento. R L Thompson vs John Cassandro.	\$137.50
March 27, 1930—W ½ LOT 83 W. & K. Tract 30, known as No. 4001 Miller Way, Sacramento. A W Sweet vs Paul R Opdyke.	\$460
March 27, 1930—LOT 156 Boulevard Terrace, Sacramento. Wm A Rapp & Co vs C E and Clarence H Smith.	\$45
March 27, 1930—N ½ OF W 78 ft. Lot 1, F, G, 15th and 16th Sts., Sacramento. A W Sweet vs J S Tucker	\$116.70
March 25, 1930—LOT 7, F, G, 18th and 19th Sts., Sacramento. Alling Iron Works vs E P Sommer.	\$372
March 25, 1930—LOT 7, F, G, 18th and 19th Sts., known as No. 1809 G St., Sacramento. Construction Materials Co vs E P Sommer; Louis and Lillie Fay.	\$62.53
March 25, 1930—LOT 156 Boulevard Park known as No. 613 21st St., Sacramento. James E Bowen vs Paul Opdyke; C E Smith and Clarence H Smith.	\$224.47
March 25, 1930—S ½ LOT 1, F, G, 21st and 22nd Sts., Sacramento. J Svlich vs Paul Opdyke.	\$54
March 26, 1930—S ½ LOT 1, F, G, 21st and 22nd Sts., Sacramento. Alfred Murray vs Clarence Smith	\$100.13
March 26, 1930—LOT 156 Boulevard Park, Sacramento. Carl R Fiedler vs C E Smith and Clarence H Smith	\$266.85

BUILDING CONTRACTS

FRESNO COUNTY

ALTERATIONS

E AND INYO STS., Fresno. All work for alterations and additions to test room and compressor room. Owner—Danish Creamery Assn., E and Inyo Sts., Fresno.	
Architect—W. D. Coates Jr., Rowell Bldg., Fresno.	
Contractor—Irwin Hopkins.	
Filed Mar. 26, '30. Dated Mar. 30, '30.	75%
Payments twice monthly.	75%
Usual 35 days.	25%
TOTAL COST,	\$1595

Bond, \$800. Sureties, J. C. Jensen and C. Grebbell. Limit, 20 working days. Forfeit, none. Plans only filed.

BUILDING PERMITS

FRESNO

DWELLING, \$2900; No. 2219 Holly St., Fresno; owner, Robt. Wallard; contractor, Adam Haas, 620 E St., Sacramento.
ALTERATIONS, \$2600; E and Inyo Sts., Fresno; owner, Danish Creamery Co., Premises; contractor, Irwin & Hopkins.
DWELLING, \$1500; No. 3144 Illinois Ave., Fresno; owner, Thos. Hill, 3620 Kerckhoff Ave., Fresno.
DWELLING, \$3000; No. 320 Vassar Ave., Fresno; owner, T. H. Nelson, 3041 Iowa St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
March 28, 1930—LOT 12, Dunbar Terrace No. 2, Fresno.	Susie Niblo to W. H. Richman.
March 28, 1930—NW ¼ Sec. 27, 13-1S, Fresno.	Mrs. Martino to George Ventura.
March 31, 1930—143 FT. IN OR near Lot 6, Houghton Addition, 1403311, Rolyinda.	Harold M Westring to whom it may concern.
	March 25, 1930

LIENS FILED

FRESNO COUNTY

Recorded	Accepted
March 29, 1930—LOTS 41 AND 42 Blk 2, Sierra.	O F Campbell vs M A and Thel Morrison.
	\$193

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on April 23, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Modoc County (11-25-25-C) two timber bridges, one across North Fork of Pit River about 3½ miles northeast of Alturas consisting of seven 19-foot spans with concrete deck on pile bents and the other across Shields Creek channel change about 4 miles northeast of Alturas consisting of three 19-foot spans with concrete deck on pile bents.

San Bernardino County, a bridge across Mojave River 3 miles north of Victorville (VII-SEB-31-D), consisting of one 270-foot through steel truss span, five 51-foot concrete girder spans and one 48-foot concrete girder span on concrete piers and bents.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a pro-

posals form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.
DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

Dated March 26, 1930.

AMERICAN FIRM LANDS DAM CONTRACT IN ABYSSINIA

Arrangements have been finally completed for the construction and financing of a \$20,000,000 dam across

the Blue Nile near Lake Tsana, in Abyssinia, by J. G. White & Co. of New York City. Actual construction will be done by the J. G. White Engineering Corp., a subsidiary. The dam will be built to control the flow of the Blue Nile, the waters of which are intensively used for irrigation in Egypt. Bonds issued to defray the cost of construction will be amortized by water rents to be made by the Sudan government. Ownership of the dam, however, will rest in the Abyssinian government.

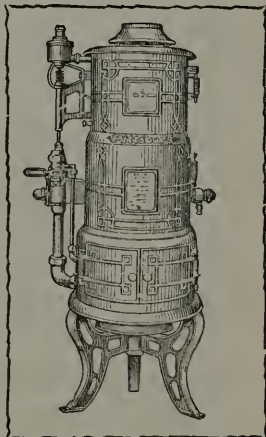
WESTERN METAL CONGRESS TO MEET IN S. F. NEXT YEAR

The second biennial National Western Metal Congress and Exposition will be held in the Civic Auditorium at San Francisco, the week of February 16, 1931, W. H. Eisenman, secretary of the American Society for Steel Treating, announces.

A general committee of four, headed by Ivan L. Johnson, superintendent of the Best Steel Casting Co., Oakland, has been formed to handle the local arrangements. The other members are Frank B. Drake, President of the Johnson Gear Co., Berkeley; Myron Bird, Vice-President, California Saw Works, San Francisco, and R. S. Hirst, Hull-Scott Motor Car Co., Berkeley.

Western sections of twelve national societies will co-operate with the American Society for Steel Treating in arranging the technical programs and organizing the exhibition. Floor plans of the auditorium are now in preparation and when completed will be mailed to exhibitors by Mr. Eisenman.

The first National Western Metal Congress and Exposition was held at the Shrine Auditorium, Los Angeles, in January, 1920. At that time a total of 176 companies exhibited. It is believed that the 1931 show will be even larger.



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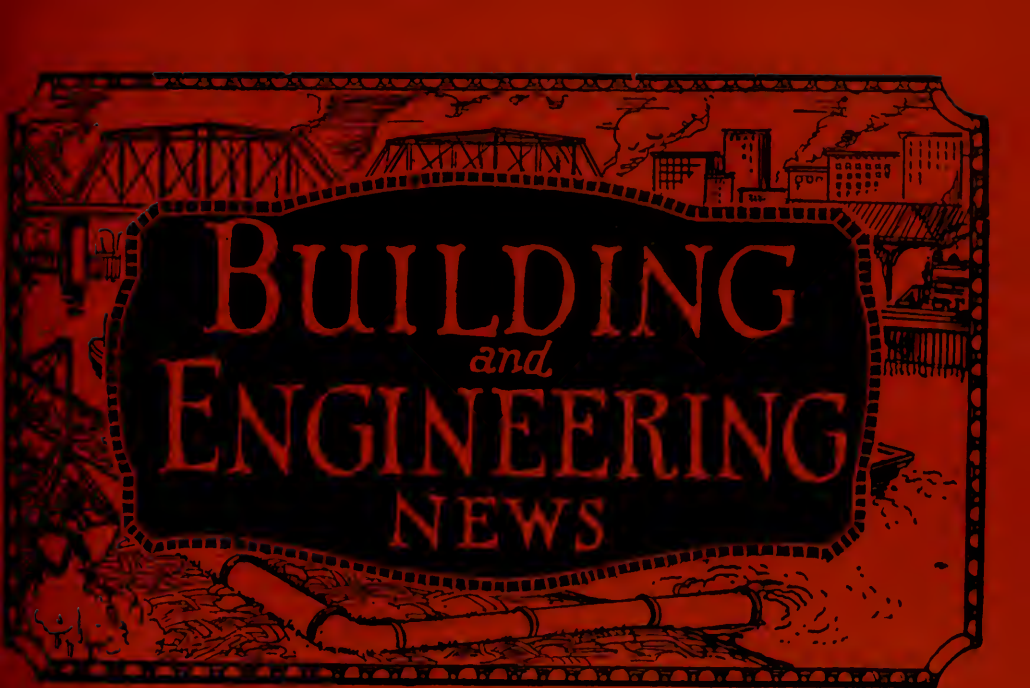
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BUILDING *and* ENGINEERING NEWS

Publication Office
545 Mission Street

SAN FRANCISCO, CALIF., APRIL 12, 1930

Thirtieth Year No. 15
Published Every Saturday



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., APRIL 12, 1930

Thirtieth Year, No. 15

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year.....6.00
Single Copies.....25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone Kearny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

MAJOR GROUPS IN INDUSTRY WILL ORGANIZE

Preliminary steps in the formation of a body representing the major groups of the construction industry—engineers, architects and contractors—to co-operate in the support of the California registration laws and to promote harmonious relations between the various branches of the industry, were taken at a meeting held at the Engineers' Club, Los Angeles, last week.

James F. Collins, director of the State Department of Professional and Vocational Standards, was present by invitation and expressed his ideas as to how such an organization might be helpful to the industry in promoting arbitration in the settlement of disputes arising both in the ordinary line of business and also in matters affecting relationships between the various groups. He believed the different groups would be benefited by the registration laws only to the extent to which they gave their support to them.

A temporary organization was formed with Porter H. Albright as chairman and Mariabelle Sutherland, secretary of the American Association of Engineers, as secretary. A committee consisting of A. F. Barnard of the American Society of Civil Engineers, Harold Crowell of the Associated General Contractors and Porter H. Albright, representing the American Association of Engineers, was appointed to prepare a tentative plan of organization to be presented to the associations in the different groups as a basis of procedure. With the approval of these organizations, delegates selected by them will perfect plans for the new organization.

The following associations will be asked to co-operate in forming the new organization: Los Angeles Section, American Society of Civil Engineers; Southern California Chapter, American Institute of Architects; Southern California Chapter, Associated General Contractors; Los Angeles Chapter, American Association of Engineers; State Association of California Architects and Los Angeles Builders' Exchange.

Present at the meeting were: A. F. Barnard, W. H. Code, Harold Crowell, Porter H. Albright, F. E. Trask, Hector Callahan, W. C. Hogeboom, Jas. F. Collins and Mariabelle Sutherland.

URGES CODE REVISIONS

A critical examination of building codes and municipal ordinances, presuming to regulate the design and construction of schools, factories and other buildings with respect to the natural lighting in them, to the end that unreasonable restrictions be eliminated, is advocated by H. H. Higbie, professor of electrical engineering, University of Michigan.

TARIFF ON BUILDING BRICK IS NOW ASSURED

A tariff on building brick is practically assured by the passage of the Tariff Bill in the Senate, says the monthly digest of the Common Brick Manufacturers' Association of America. In both the House and the Senate Bills brick has been removed from the free list, where it has been since 1922, and is granted a duty of \$1.25 per thousand. While in the industry this is not considered adequate protection, it will be helpful in curbing the invasion of cheap European brick and will stimulate the industry along the Atlantic Seaboard. It is conceded that this small duty will not affect the price of brick in any part of the United States and its benefit will mainly accrue to the manufacturers on the Hudson River, who supply the vast Greater New York market. This is one of the largest brick producing centers in the world and the market there has been seriously demoralized by the importation of brick from Belgium.

The passage of the Tariff Bill is the best news of the month in the brick industry. Construction volume has gone progressively lower with each month since last October. With money available, the settlement of the Tariff question, it is believed, is about all that is needed to stimulate building. With this important legislation out of the way and Congress adjourned and politics off the first page of the country's newspapers, business will go ahead according to many leaders in the construction industry.

The movement of common brick from the yards during the thirty days ending March 1st showed a slight improvement over the preceding month. Approximately 16% of the total stocks were moved in the thirty-day period, whereas the shipments for the month preceding represented about 8½% of the stocks on hand. In February of 1929, the relation of the shipments to the stocks on hand was approximately 13%.

NELSON PURCHASES BUSINESS OF M. I. BERNARD COMPANY

Chris Nelson Company, Inc. of Oakland, has purchased the retail paint and wall paper business of M. I. Bernard & Company at 2318 Shattuck Avenue, Berkeley. The Chris Nelson Company already maintains two stores in Oakland, one at 2259 East Fourteenth street and another at 9435 East Fourteenth street. The concern handles a complete line of paints and wall paper on a retail and wholesale basis.

The Bernard store has been established in Berkeley for many years under the ownership of M. I. Bernard and will continue to serve that section and northern Alameda county as heretofore.

FRESNO ARCHITECTS DISSOLVE PARTNERSHIP

Dissolution of the partnership of Felchin, Shaw & Franklin, architects with offices in the T. W. Patterson Building, Fresno, and removal of Raymond R. Shaw to Los Angeles is announced by Charles H. Franklin, who will continue his practice in the same office.

Shaw has taken up his residence in Hollywood and is associated with George Hales, Los Angeles architect and builder. Felchin has retired from active work as an architect to devote his time to other business interests.

Franklin became associated with Felchin as an architect in 1912 and Shaw joined the firm in 1919. The firm handled some of the largest building construction jobs in Fresno, including the Pacific-Southwest Bank, Radin & Kamp and the San Joaquin Light & Power Corporation buildings.

5-DAY WEEK SCHEDULE IN NAPA YET UNSETTLED

An agreement on the adoption of the five-day week in Napa county was not reached at the recent conference of committees of the Napa County Builders' Exchange and the Napa Building Trades' Council.

Representatives of the union locals were not prepared to enter into a written agreement that a wage increase would not be sought on the start of the shorter working week. The matter was continued until it could be brought before the several locals.

The carpenters' local had brought up the proposal for the shorter week in the interest of the unemployment situation and when the plan was taken before the contractors, the suggestion was made that it extend to all building trades.

While no wage increase was asked by the carpenters, it was understood that the union painters had acted to obtain a nine dollar wage in Napa. The Builders' Exchange believes that a wage boost is not justified for at least another year in view of business conditions.

Another meeting of the committees will be held in two weeks and at that time announcement of the action taken by the workmen's organizations will be made.

A SAFETY RECORD

Twenty-one large buildings erected in Los Angeles and representing 270 stories were completed recently without fatal or permanent injury to workmen. This bit of information is taken from the annual report of the California Department of Industrial Relations, in charge of safety work. Industrial deaths in California in 1929 were 629 compared with 723 in 1928.

STOCK MARKET CRASH AIDING HOME BUILDING, SURVEY REVEALS

If you've repressed the desire for home ownership, waiting on better times, the National Association of Real Estate Boards has good news for you.

The better times have come—in the home buying and building field—particularly in the home buying field.

It is cheaper to buy homes now in nine different sections, stretching from Long Island to California, than it was a year ago. It is cheaper to build homes everywhere than it was last April. And real estate can be purchased now at more favorable prices and on better terms than twelve months ago.

The ill-wind of the recent stock market crash has blown some good in that it has made thousands of homes available at purchase prices that will never be equalled again; and the recent business depression has made labor eager to undertake home construction on terms favorable to the individual builder, say the authorities quoted by the realty association.

It May Not Be Long

Some basic material prices are down, due principally to the cessation of buying, but there is no telling how long such markets will continue. At present lumber is at prices that are "humiliating to the industry," common brick is lower than it was at this time a year ago, glass is cheaper, and plumbing and heating equipment is at about the same level as it was last April.

National associations, representing the above industries, report to the real estate association that the lower material prices are due to keen competition brought about by plants of all kinds carrying large stocks of materials. These plants have continued to manufacture even in the face of restricted retail buying.

"The mills must run," declares Dr. Wilson Compton, Secretary-Manager of the National Lumber Manufacturers Association, "and it is cheaper to run part time at least than to shut down during the present restriction of demand."

Homes already built are cheaper now than in April 1929 in Boston, throughout Long Island, Atlanta, Cleveland, Denver, Kansas City, Los Angeles, Dallas, Chicago, and throughout the suburban area surrounding Chicago, covering three counties. The real estate association asked for reports from the presidents of the real estate boards in these cities which pretty well cover the country.

Never Again As Cheap

Speaking for the "entire construction industry," Oscar W. Rosenthal, Chicago, Vice-President of the Building Trades Employers Association, Vice-President of the National Building Industries Bureau, President of the General Contractors Association of Chicago, and President of the Illinois Builders League, says:

"It will never again be as cheap to build homes as it is now. There is plenty of labor. Skilled workmen are walking the streets throughout the country. And labor is very efficient which results in lowered construction

costs. Prices of materials are down."

Lumber which is used on a considerable scale in practically every type of residential building, from cottage to big apartment structures, is not only lower in cost than a year ago, it is down right cheap, according to Dr. Compton.

Indeed it is far too cheap. From the standpoint of the industry, laments the lumber manufacturer's representative. "Lumber at the mills is far too cheap," he says. "The industry cannot maintain economic health or regain it with such prices, but the mills must run, the workers must eat, and be paid, and it is cheaper to run part time at least than to shut down during the present restriction of demand."

He Hopes It Won't Last

But prospective home builders who would like to purchase lumber at this low price level had better do so at once, for "We do not believe that the present situation will last long," says Dr. Compton. "A good volume of buying will soon restore prices. Consequently the more the sales, the merrier, even at prices that are humiliating."

"It is our experience during previous periods comparable to this one that in times when business is not at high pressure, workers are keener and workmanship better. And inasmuch as all materials that are used in house building are cheaper at wholesale, and should be cheaper at retail, the present time is one, which from the point of view of economy of labor and excellence of work, is the time to build."

Price competition in the construction field has made the price of glass a "trifle" cheaper now than it was a year ago, reports the National Glass Distributors Association. Glass for a home, especially when fine plate glass is used, is a considerable item.

The Plumbing and Heating Industries Bureau, reporting the prices of plumbing and heating equipment as about the same as last year, attribute the fact that there has been no upward trend in these prices to the abundant supply of labor available everywhere.

Common Brick, Down

The general level of common brick prices is lower now than it was a year ago. This is a matter of supply and demand, according to Ralph Stoddard, Secretary-Manager of the Common Brick Manufacturer's Association of America. The demand is considerably lower, due to cessation of home building operations, yet practically all brick plants are carrying large stocks.

Leonard P. Reaume, Detroit, President of the National Association of Real Estate Boards, reporting on real estate prices for the home builder, finds that "Homesteads can be purchased at the present time at more favorable prices and terms than at any previous time within the past few years."

"Prudent investors buy when market conditions are as at present and not when activity and prices are at their peak," says the Realtor's

president. "Anyone who purchases a well selected lot or home this Spring will be pleased with his investment."

Los Angeles Costs Lower

Harold G. Ferguson, president of the Los Angeles Realty Board, in reporting in connection with the survey of the National Association of Real Estate Board, said:

"The most favorable conditions are at hand. Costs of materials, costs of labor, costs of financing, and costs of street improvements are far below what may be expected at a future period. A house costing \$5500 in 1926 can be constructed here now for \$4200. And this same house would have cost \$6000 in 1923 when the great building move was sweeping over the community. The availability of labor adds to the favorable aspects. It has been demonstrated that labor is more effective at times like these than in periods of boom activity when less experienced help is assigned the jobs ordinarily handled by seasoned tradesmen. Tradesmen are now competing for work with the result that they are more attentive to their tasks."

U. S. SECOND IN LUMBER EXPORTS TO SOUTH AFRICA

Lumber imports into Capetown, Africa, during January totaled 19,095 tons as compared with 7,896 tons in January, 1929, and 9,500 tons in December, 1929. These figures are taken from a report of Duwayne G. Clark Assistant Trade Commissioner at Johannesburg to the Lumber Division Department of Commerce.

January imports to this port, Mr. Clark states, were the largest for any one month during the last three years. Heavy arrivals from North European sources swelled the January receipts. A sharp recession is expected in February lumber arrivals. Shipments of American lumber into Capetown during January were second only to those from Northern European countries. Imports of lumber at Durban, Port Elizabeth, East London, and Lourenço Marques, were also quite heavy during January.

The depression in the furniture industry in South Africa continues, Mr. Clark reports, and none of the factories are working at full capacity. The Durban woodworking union is agitating for a higher duty on foreign-made doors, windows, etc., but to date the Government has paid scant heed to these representations. There were no imports of box shooks during January, the requirements for the delectable fruit trade having been filled. Renewed activity in this trade is expected in April, when the shipment of citrus fruit begin.

LOW BID NOT ALWAYS THE BEST BID

"It is not necessary to accept the lowest bid. It may be well worth while to pay a little more to a contractor who is dependable and who has a reputation of good construction work to live up to," so says President Herbert Hoover. This coincides with that section of the Code of Ethics of the San Francisco Builders' Exchange which says: "Work should be given to the lowest responsible bidder."

COURTS ARE ONLY PLACE TO DETERMINE VALIDITY OF LIENS

By HARRY C. WESTOVER, Attorney-at-Law

This is the seventh of a series of articles on the California Mechanics' Lien Law, prepared by Harry C. Westover, attorney-at-law, of Santa Ana. Other articles will be published in these columns from time to time.—Editor.

The filing of the contract and bond and the filing of a notice of non-responsibility by the owner upon the property effected does not preclude the filing of a lien. Every person who furnishes labor and/or materials upon any building, work, or structure, may file a lien. The question is not whether the claimants may file liens but whether, when such liens are filed, the courts are the only place where it can be determined whether the liens have been filed by claimants. Section 1187 of the C.C.P. provides that every person claiming a benefit of the lien law "may file a record with the County Recorder in the County in which the property is situated, a statement of the claim of lien containing a statement of his demand after deducting all just debts and off-sets." The claim of lien must state "the name of the owner or reputed owner, if known, a general statement of the kind of work done or materials furnished, the name of the person by whom he was employed or to whom he furnished the materials and a description of the property sought to be charged with a lien sufficient for identification."

The mere furnishing of labor or materials does not create a lien. In order to create a lien the claim of lien must be filed with the County Recorder, and until the claim is perfected by filing it with the County Recorder the lien is a mere inchoate right which the mechanic or material man may perfect or not at his pleasure and which until perfected has no existence.

Mechanics' liens are entirely of statutory creation and the statutes must be looked to, both for the right to the lien and to the mode by which it can be enforced. The right to a Mechanics' Lien depends upon compliance with the statute, and in order that a lien may arise and be in force the claimant must strictly or at least substantially observe compliance with the provisions of the statute. It is necessary to take any step other than those required in the statute. A party desiring to hold and enforce a lien upon the property of one who did not employ him must bring his case squarely within the terms of the statute.

There is no definite form provided for Mechanics' Liens. It is only necessary that the following things be stated and they may be stated in any order the claimant so desires.

- (1). There must be a demand of the amount due the claimant after deducting all charges, credits or offsets.
- (2). The name of the owner or reputed owner must be given if known, the name of the owner or reputed owner is not known by the claimant, the claimant can state that he does not know the name of the owner or reputed owner or he can give the name of the owner or the reputed owner, as John Doe.
- (3). A general statement of the kind of work done or materials furnished must be made by the claimant.
- (4). The claimant must also state the name of the person by whom he was employed or to whom he fur-

nished the materials.

(5). A description of the property sought to be charged sufficient for identification must be given.

(6). The claim must be signed by the claimant and verified by the oath of the claimant or of some other person.

Anyone desiring to file a valid Mechanics' Lien must give the information as set forth in the six above requirements. It is not necessary that the claim of lien shall state or show any of the following:

- (1). The completion of the building.
- (2). The date of completion.
- (3). The filing of the claim within thirty, sixty or ninety days after the completion of the building.
- (4). The names of the members of the firm where the claim is made by a partnership.
- (5). The relation existing between owner and the employer of the lien claimant.
- (6). Knowledge by the owner of the doing of the work.
- (7). Facts showing performance or other facts necessary to complete cause of action.
- (8). Implication made by law, such as (a) reasonable value of services; (b) implied promises to pay.

Information concerning the completion of the buildings or work, of a co-partnership, the relation between the owner and the claimant, knowledge on the part of the owner, performance and reasonable value of services and promise to pay is purely a question of fact and evidence. The fact that the lien has not been filed within the statutory time is a defense against the enforcement of the lien and has nothing to do with the right to file the claim. There is considerable difference between the right to file the claim of lien and the right to have the lien enforced. Invalid claim of liens are filed constantly. The court determines whether the lien is valid; that is, whether it was filed in time and whether the work and labor performed or the materials furnished can be charged against the building.

A claim of lien must substantially conform with the statute and must fully and correctly state those things the statute has made essential to the creation of the lien. The statutory requirement that the notice of lien shall contain certain specified statements means that the statements must be substantially correct and in accordance with the facts. It is not necessary that the precise words of the statute be used, if there are other and substantially equivalent expressions. While substantial compliance with the statute is required the statute will not be given such a narrow or technical construction so as to frustrate, impede and destroy the right of lien claimants. *Castagneto vs. Coppertown Mining Co.*, 146 Cal. 329. The persons for whose benefit the lien law was enacted are not presumed to be versed in accuracy of expression and the claims made by them are to be constructed more to substance than to form, in view to the purpose of the record and statement, namely, to inform the owner.

The purpose of the lien is to give information to interested parties as to whom the lien claimant is, the kind of labor and/or materials for which the lien is claimed and the other information required so that the owners of the property or other interested parties may have such information in order that such owners or other interested parties may investigate and determine whether or not

the lien claimant has a valid cause for a lien. When a lien is filed in the County Recorder's office then all parties have constructed notice of the contents of the lien and of all information contained therein. Consequently it is necessary and essential that the information required to be given by the statute, be contained in all liens filed by lien claimant.

PROPOSED UNIFORM LIEN ACT AGREEMENT REACHED

The unanimous agreement on the draft of the proposed uniform lien act which has been reached by the Standard State Mechanics' Lien Act Committee of the Department of Commerce is greeted with satisfaction by organized contractors, according to E. J. Harding, Assistant General Manager of the Associated General Contractors of America.

"The lien act committee, appointed in 1924 by Herbert Hoover as Secretary of Commerce, faced a task which many in the construction industry deemed impossible of accomplishment," Mr. Harding states. "The representatives of the various groups involved in the industry were asked with their conflicting views and economic interests to develop a draft of a lien law which would be equitable, practical and beneficial alike to the workman, owner, material man, direct contractor, sub-contractor, and financial firm."

"That five years were required to arrive at unanimous agreement is not surprising. That such agreement was reached at all is an encouraging indication that the construction industry is developing in its thinking to that stage where a genuine industrial consciousness can direct it."

The proposed uniform law now backed with the unanimous approval of the Department of Commerce committee will be required to secure the approval of the Conference of Commissioners on Uniform Laws before being presented to the various state legislatures as a measure to replace existing statutes.

The divergence of lien law statutes now existing and the inequity of many of the provisions in such laws has long been a sore spot in construction. Owners have been inequitably held to dual payment in many states under existing statutes, unsound credit conditions have been fostered, and many unethical practices have developed because of the patchwork legislation concerning lien rights. It was due to representations of this situation that Secretary of Commerce Hoover originally appointed the committee to draft an act which would better serve the purposes of such legislation.

PACIFIC COAST HARDWOOD DEALERS ELECT OFFICERS

Pacific Coast Hardwood Dealers Association, meeting at Del Monte March 21 and 22, voted to co-operate with the retail lumber yards and with the Milwork Institute to promote the sale of hardwoods.

Roger Sands, Elrich-Harrison Co., Seattle, was elected president; C. H. White, White Brothers, San Francisco, vice-president and Norman Savers, J. Fyfe Smith Co., Ltd., Vancouver, B. C., secretary-treasurer for the coming year. Directors: J. Fyfe Smith; C. E. Hall, Portland, Ore.; George H. Brown, Oakland; C. R. Traenzer, Los Angeles; W. T. White, San Francisco and Jerry Sullivan Jr., San Diego.

Victoria, B. C., was chosen as the convention city for 1931.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Business is getting better and your saying so will help to improve conditions that much faster.

Drown that frown with a smile—say that business is good—then go out and look for that business.

We should all be optimists, for optimism is more than half the joy of living.

I certainly feel sorry for the chap who can see nothing but clouds—always seeking clouds where others always seen sunshine.

If it appears cloudy to you glimpse at the silver lining that is behind every cloud.

The storm is passing over. Our sails are up, there is clear water ahead and a straight course where the trade winds of better business will carry our craft to the port of Prosperity.

Chart your course and give the "Ahead" signal.

We must stop talking about poor business; we must even stop thinking of poor business, for one can actually create a real condition by talking, and of course, thinking a thing always precedes talking it.

So, if we think the right way, we will not only talk right but we will act right, and before we know it everybody else will be doing it.

Let us THINK—Let us TALK—Let us ACT—BUSINESS IS GOOD.

Adoption of the five-day week in American industry and business is held out by William F. Green, president of the American Federation of Labor, as a panacea for unemployment and business depression. Green also urges maintenance of wage levels as a means of preventing recurring periods of idleness and business stagnation.

Yosemite Lumber Company will start operations at Merced Falls and in the logging camps of that district this month. More than 1800 men will be employed before the first of May, according to H. W. Mathew, manager of the company. With an anticipated improvement in the lumber market, Mathew predicts that this year more than 60,000,000 board feet of timber will be cut. Its value is estimated at \$3,000,000.

Los Angeles will make an official effort to learn the practicability of establishing airplane landing fields on roofs of downtown buildings. A committee of experts has been commissioned to study the problem. Among the points to be investigated will be the effect of irregular building heights on air currents. The committee is composed of Roscoe Turner, transcontinental flier; Major John Jeffers of the California National Guard, and Lieutenant E. B. Rorer of the United States navy.

E. C. Fisher Planing Mill at Oroville, Calif., was destroyed by fire April 1. The loss is estimated at \$10,000. Reconstruction will be started at once.

The iron and steel industries and allied manufacturers are one of the most important group of manufacturing establishments in California. This is revealed in a survey just completed by the Research Department of the California State Chamber of Commerce. The 1623 establishments, according to the report, employed 60,491 wage earners, or 23 per cent of the 262,816 wage earners employed in the 10,066 manufacturing establishments of the state.

Wages paid by the iron and steel and allied establishments aggregated \$92,176,000, value of products amounted to \$405,532,000, and value added by manufacturer, \$196,485,000. These figures represent 21.4 per cent, 15.6 per cent, and 18 per cent, respectively, of the aggregate for all California manufacturing establishments.

When compared with 1925, the number of wage earners in the iron and steel, and allied group, during 1927, increased 2.9 per cent, wages 3.7 per cent, value of products 1.7 per cent, and value added by manufacture 5.6 per cent.

The number of employees in 182 iron and steel, and allied manufacturing establishments, compiled from records of the State Bureau of Labor Statistics, averaged 40,042 in 1925, 41,353 in 1927, 40,340 in 1928 and 47,367 in 1929.

The 60,491 wage earners in 1623 establishments during 1927, as reported by the Bureau of Census, were about 46 per cent greater than the number of employees in the 182 establishments. The percentage was the same for 1925. Increasing the figures of the State Bureau of Labor Statistics 46 per cent, the estimated number of wage earners employed in the iron and steel and allied manufactures of the state was approximately 59,000 for 1928 and 70,000 for 1929.

Total imports of iron and steel products to California ports during 1923 aggregated 224,891,000 pounds, valued at \$4,356,418, as compared with 326,668,000 pounds imported during 1928, valued at \$5,715,083. The percentage decrease in physical volume, from 1928 to 1929 was 31.2 and in value 23.8.

Approximately 57 per cent of the value of the State's 1929 total volume entered the Los Angeles Customs District. The total volume aggregated 129,049,000 pounds, valued at \$2,897,337. The decreases in volume and value from 1928 to 1929 amounted to 32.5 per cent and 24 per cent, respectively.

The value of iron and steel imports to the San Francisco Customs District last year totaled \$1,459,681 or 23.5 per cent less than in 1928. The volume aggregated 95,842,000 pounds, as compared with 135,506,000 for 1928, a decrease of 29.3 per cent.

Receipts of intercoastal shipments of iron and steel products at the San Francisco Customs District for the calendar year 1928 totaled 523,683 tons. During the fiscal year July 1, 1928, to June 30, 1929, the intercoastal tonnage into the Los Angeles Customs District aggregated 996,124 tons.

HERE — THERE — EVERYWHERE

Recent wage increase demands by Carpenters and brick carriers, building and common laborers has precipitated the formation of an organization embracing all general and sub-contractors in Great Falls, Montana, with the Great Falls Builders' Exchange as a nucleus.

The Orange County Merchant Plumbers' Association with headquarters at Santa Ana has obtained the services of Al. W. Greewe to put of salesmanship classes for merchant plumbers, journeymen plumbers an office departments of plumbing concerns.

Seventeenth annual meeting of the National Foreign Trade Council will be held in Los Angeles May 21-23. San Francisco registration headquarters are located at the Foreign Trade Department of the Chamber of Commerce.

A group of members of the San Francisco Chapter, American Association of Engineers, were guests of Walter B. Hogan, city manager of Stockton, April 5 on an inspection trip to the Calaveras flood contrivance. The party was accompanied by Fred H. Tibbets, San Francisco consulting engineer.

Manteca, Calif., city trustees contemplate adoption of an ordinance covering plumbing work in connection with natural gas installations. A committee has been appointed to prepare such an ordinance.

DANIELS. STOCKTON BUILDER PASSES

Wesley Daniels, 70, retired Stockton contractor, died in the Sutte Hospital, Sacramento, April 4, following an illness of several weeks.

Daniels was born near Hamilton Ontario, Canada. In 1889 he came to California, later moving from Los Angeles to Stockton, where he had resided since that time.

Daniels was a partner in the firm of Daniels & Green when it was formed in 1908, associated with H. P. Green. In 1924 he retired from the contracting business, his interests being acquired by T. D. Lewis. Daniels engaged in carpenter and millwright work in Canada, Davenport, Iowa, and Peoria, Ill., before going to Stockton.

STEEL TERMS DEFINED

Bascule, bent-eye, bulldozer, cantilever, club dolly, extrados, gantry, gill goose-neck, gusset, hicky, jig, jumper, locus, lure, outhaul, pickling, plumb puddle, purline, rabling, scribe, snip spandrel, strut, toggle, are among the more than 20,000 terms familiar to the steel constructor which are defined in the second edition of the "Fact Book now being issued by the American Institute of Steel Construction. The first edition of this volume was issued just a year ago. The revised edition includes many of the important fact regarding steel construction never before assembled for ready reference.

A directory of the steel constructors of North America, the statistical growth of the industry, bibliography, motion pictures, stereopticon slide and innumerable other handy fact have been included.

MODELING WORK UNDERTAKEN ON INSTALLMENT PLAN

Home Modernizing Company is the name of a new business concern in Los Angeles. It was formed to specialize in the remodeling, refitting and redecorating of all types of structures. A plan for financing such work has been arranged by the company which will allow the owner from 20 months in which to pay for

Study of the situation and experience has indicated to the promoters of the new company that there is a considerable volume of modernizing work which would be done if the burden could be distributed over period to provide easy payments. At present the company is interested in securing contractors and builders nearby towns to co-operate with in a home modernizing campaign. It will take care of the financing and it distribute among them all prospects coming from their respective communities, it is stated.

BUDGET PLANS FOR GROWING CITIES OUTLINED

"Growing cities must look forward to spending more money per capita each year," according to a study of some Problems of Fiscal Control in cities," just completed by Dr. John

Pfiffner of the School of Citizenship and Public Administration of the University of Southern California.

"The larger the city, the more it costs to run it per capita. This is a demonstrated fact which cannot be overlooked," continues the report. Nevertheless, it is the duty of those responsible for the fiscal management of a given municipality to hold per capita expenditures down to a reasonable per capita figure. A city cannot afford all worthy ventures any more than can an individual.

"Every city, regardless of size, could have some means of securing, ranging, and presenting in graphical form the data showing the exact condition and trend of municipal finance. In order to secure these facts and present them in the proper relation to each other it is necessary that there be technically trained persons in the department of finance whose duty it is to make investigations relative to budget needs and make independent recommendations.

"After the budget has been adopted by every head of a spending service could be required to set up a work program to be approved by the department of finance. This work program should aim to carry on departmental efforts within the appropriations, so that the policy determined by the governing body may be carried out without undue or unnecessary modification. Sometimes the financial program determined by the budget making body does not meet the personal ambitions or desires of the department head. He should, however, operate instead of precipitating financial difficulties by not adjusting his operations to the plan outlined.

"Adequate financial planning cannot be carried into effect unless the members are willing to acknowledge their position as laymen taking temporary control of the city's affairs," Dr. Pfiffner's report states. "As laymen they should defer to the advice of the permanent officials of the city.

The city council has two functions to perform in its relation to fiscal con-

trol. The first is to determine the financial policy. It does this when it adopts the appropriation ordinance and levies the taxes. The second is to assure itself that expenditures have been made in accordance with its wishes. This is accomplished by the independent audit or 'post-audit.' This task should be performed by either a firm of outside accountants or a permanent auditing officer responsible only to the council."

Professor Pfiffner is to head a section on budgets in the third annual Institute of Public Administration to be held at the University of Southern California, April 14-19, with public officials and municipal personnel attending. Other sections will deal with special assessments, water supply, planning and zoning, taxation, recreation and parks, and airport management.

N. Y. FACT-FINDING COMMITTEE NAMES SECRETARY

The Advisory Board and Fact-Finding Committee of the New York Building Congress announces the appointment of William E. Taylor as executive secretary. Taylor has been engaged in various branches of the building industry for about 25 years and for the past three years has held the office of executive secretary of the Heating and Piping Contractors' New York City Association.

With this appointment the committee is rapidly bringing its plans for a permanent organization into effect. At the present time the committee is composed of Robert D. Kohn, president of the New York Building Congress, chairman; S. F. Voorhees, R. H. Shreve, H. C. Meyer, Jr., O. H. Cheney, Alexander M. Bing and D. Everett Wald.

Among the chief features of the plan of operation for this committee are the following: That trade and labor disputes affecting the entire industry will be referred to the Fact-Finding Committee for an expression of opinion, with majority and minority report, if necessary; that public opinion will be relied upon to bring about the compliance with the opinions rendered; and that reliance on force for the settlement of disputes is to be eliminated.

FOUR-MINUTE LUMBER TALK TO BE BROADCASTED

Axes swinging in the forest, the whirling and whining of spinning saws, the pounding of hammers as spike nails bite into hardwood; these and other visions will be conjured up by the Westinghouse Salute to the Lumber Industry, Tuesday evening April 15th, at 10 o'clock, Eastern Standard Time.

E. L. Carpenter, President of the National Lumber Manufacturers Association, will contribute to the program with a four-minute talk on the Lumber Industry. The voice of the Interludes will sing praises of the accomplishments of those engaged in the industry.

The desired illusion will be aided by the musical score which has been prepared by Cesare Sodero and which will be played and sung by the Westinghouse orchestra and chorus.

The Westinghouse Salute is broadcast each Tuesday evening over a coast-to-coast network of the N.B.C. by stations including WJZ, and the Westinghouse group, KDKA, WBZ, WBXA and KYW.

Contracts have been let by the Caldwor Paint Company for the erection of a new factory and warehouse at 14th Ave. and E 14th St., Oakland.

MAPS RECORD PROGRESS OF U. S. HIGHWAY IMPROVEMENT

Revised progress maps of the improvement of the Federal-aid highway system issued recently by the Bureau of Public Roads, U. S. Department of Agriculture, show not only the condition of that system in each State but show also the system of United States Highways designated by numbers corresponding to the numerals displayed on the shield-shaped route markers now erected in practically all States.

Since October 20, 1928, when the bureau first announced the issuance of these progress maps, it has revised the maps for 23 States: Alabama, California, Connecticut, Massachusetts and Rhode Island, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Michigan, Mississippi, Missouri, Nebraska, New Hampshire and Vermont, New Jersey, North Carolina, Ohio, South Carolina, South Dakota, Tennessee, Texas and West Virginia.

These maps are in no sense touring maps, but they will be of value to the motorist planning a trip over the Federal-aid system or over the U. S. Highway System. Symbols indicate the type of surface on all parts of the system, and show whether the improvements were made with or without the assistance of the Federal Government. On the back of the California maps, the last to be made, is an index of counties, of the larger cities and of approximate populations of more important cities.

The maps are drawn to a uniform scale; sheets are of uniform size, and are so bound that they may be punched and placed in a loose-leaf atlas. The number of sheets for each State ranges from one to six. A few of the smaller and adjacent States are grouped on one map, such as Maryland and Delaware; Massachusetts, Rhode Island and Connecticut; and New Hampshire and Vermont. Maps may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 10 cents a sheet. There are 112 sheets for the 48 States.

CONDEMNED BUILDINGS TO GO IN BOSTON

Removal of 1600 condemned buildings this year throughout the city of Boston has been ordered by Mayor Curley in a communication to the city building department. The order is a part of an attempt to reduce the number of fire traps in the city. Owners who fail to obey the order will be called upon to pay the city for razing the structures.

SACRAMENTO ARCHITECT IN NEW QUARTERS

Harry J. Devine, Sacramento architect, is now occupying new and larger quarters at Suite 1400, California State Life Building, Sacramento. Mr. Devine, formerly connected with the office of Dean & Dean of Sacramento, has been practicing architecture for himself for the past two years.

Monterey city council is considering the adoption of a building code similar to that in effect in Santa Barbara. The code is now being studied by the individual members of the council and will come up for official adoption within the next few weeks.

TRADE NOTES

Acme Partition Company of Oakland, manufacturers of rolling doors, reports the shipment of a vertical partition to be installed in a school at Madison, Wis. The partition measures 90 feet wide by 22 feet high. The moving section weighs one and one-half ton. "Despite the great weight the partition can be operated with ease," says W. C. Grant, sales manager for the company.

Construction has been started on a \$15,000 shop building for the New England Sheet Metal Works at San Benito Street and Broadway, Fresno. The new quarters will provide offices and display rooms in addition to shop departments. The plant is operated by A. H. Yazajian.

Modern Plumbing Co. of Bakersfield, has been incorporated with capital stock of \$20,000. Directors are H. C. Shaw and Alvin O. Smith of Bakersfield and R. W. Shaw of San Francisco.

Frank Carr of Lagunitas, Marin county, has purchased the old Podini lumber yard and mill at Lagunitas and will operate under the firm name of Lagunitas Lumber Company.

H. E. Casey Company of San Mateo will start construction immediately on a \$60,000 plant at Peninsular Ave. and Woodside Way. The new plant will provide warehouse and office quarters and rock, sand and gravel bunkers. The man building will be 60 by 100 feet.

A. H. Rasmussen, engaged in commercial art work in Fresno for the past twenty years, has joined the staff of the Schultz Paint & Wall Paper Company, 1909 Fresno Street, Fresno.

Little River Redwood Co. of Madera, has purchased a site 50 by 150 ft. adjoining the present plant in F St., Madera, and will erect a modern planing mill.

ALONG THE LINE

C. C. Kennedy, San Francisco engineer, has been requested by the city trustees of Yreka to resign his position as city engineer. It is proposed to appoint a local man to the office.

William J. Monahan of Los Angeles, works manager of the Pacific production department, United States Gypsum Company, died March 23 of heart disease. He was 50 years of age. Monahan had been connected with the United States Gypsum Company for 35 years.

Thomas Addison, 76, formerly general manager of the Pacific Division for the General Electric Company, died at his home in Oakland, last Wednesday. Addison retired from active business some years ago. He is survived by two daughters, Mrs. Edna L. Keyes and Mrs. Mary A. Mitchell.

MARCH BUILDING ON PACIFIC COAST SHOWS DECIDED DECREASE

Building construction undertaken on the Pacific Coast for the month of March, 1930, involved an expenditure of \$26,852,538 as compared with \$35,416,192 for the corresponding month in 1929. All states report a slackening in activities with the exception of Oregon which reports a total of \$2,043,937 for March 1930, as compared with \$1,942,000 for the month of March, 1929. California rolled up a total of \$20,037,174 as compared with \$29,722,318 for the same month in 1929.

Following are the official March, 1930, statistics as compiled from reports of building department executives in the cities comprised in the Pacific Coast area:

CALIFORNIA

City	No.	March, 1930		March, 1929	
			Cost		\$
Alameda	63		\$ 138,845		\$ 80,722
Alhambra	61		222,000		241,089
Bakersfield	80		101,821		89,160
Berkeley	126		411,536		265,237
Beverly Hills	97		507,000		1,152,625
Burbank	26		41,123		167,440
Burlingame	16		160,666		118,425
Carmel	8		6,400		14,500
Chula Vista	9		6,575		31,005
Colton	7		13,900		11,200
Compton	25		41,560		200,953
Coronado	14		11,870		24,975
Culver City			99,835		73,450
Emeryville	3		4,500		204,315
Eureka	41		82,270		39,125
Fresno	111		85,197		193,963
Fullerton	24		80,490		61,615
Glendale	128		327,810		648,695
Hayward	7		97,540		40,620
Huntington Park	57		274,630		423,900
Inglewood	25		52,835		42,600
Long Beach	553		1,178,850		3,947,600
Los Angeles	2,764		7,045,931		10,696,375
Lynwood	38		82,593		84,250
Modesto	47		60,425		118,843
Monrovia	29		47,600		30,340
Montebello	19		53,380		38,860
Monterey	37		36,400		44,261
National City	16		14,775		18,630
Oakland	359		1,132,083		1,896,240
Oceanside	9		9,075		75,500
Ontario	24		48,015		89,495
Orange	10		36,200		10,000
Pacific Grove	17		21,170		8,730
Palo Alto	68		111,830		123,910
Palos Verdes Estates	3		35,200		48,000
Pasadena	339		328,115		665,163
Petaluma	6		32,975		16,775
Piedmont	10		32,476		81,293
Pomona	71		84,730		113,915
Redlands	17		21,583		62,950
Redwood City	30		60,675		80,236
Richmond	52		56,095		21,595
Riverside	46		133,384		234,520
Sacramento	129		311,044		356,976
Salinas	46		74,337		267,073
San Bernardino	60		98,520		338,170
San Diego	387		483,960		891,952
San Francisco	584		3,502,312		2,701,111
San Gabriel	17		57,875		64,065
San Jose	75		243,095		334,505
San Leandro	24		85,160		207,900
San Marino	21		214,434		119,765
San Mateo	33		176,550		175,694
San Rafael	12		81,630		59,530
Santa Ana	87		157,605		119,725
Santa Barbara	131		347,231		155,125
Santa Cruz	35		35,900		148,065
Santa Monica	89		110,680		214,330
Santa Rosa	16		20,975		70,740
South Gate	48		221,130		200,005
South Pasadena			42,600		55,237
Stockton	58		134,841		134,510
Torrance	16		23,350		42,530
Ventura	12		35,700		316,400
Vernon			107,321		89,805
Watsonville	19		33,795		21,315
Total	7,301		\$20,037,174		\$29,722,318

ARIZONA

Phoenix	70	\$ 93,030	\$ 614,315
Tucson	97	328,635	166,450
Total	167	\$ 421,665	\$ 780,771

IDAHO

Boise	88	\$ 58,017	\$ 81,200
Idaho Falls	14	44,250	209,700
Lewiston	29	39,640	76,695
Nampa	32	32,650	53,150
Total	163	\$ 172,557	\$ 419,745

NEVADA

Reno	40	\$ 81,425	\$ 174,050
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OREGON

Albany	5	\$ 9,246	\$
Astoria	19	9,246	74,025
Baker	9	10,000	7,935
Corvallis	20	65,000	15,460
Eugene	60	304,352	38,610
Klamath Falls	68	101,170	188,135
La Grande	29	22,500	39,010
Marshfield	6	11,400	14,950
Medford	48	34,793	174,730
Portland	614	1,821,070	1,276,055
Salem	53	153,706	114,015
Total	991	\$ 2,943,987	\$ 1,942,925

UTAH

Logan	4	\$ 146,100	\$ 25,200
Ogden	20	39,600	16,000
Salt Lake City	99	349,020	765,728
Total	123	\$ 534,720	\$ 806,928

WASHINGTON

Aberdeen	40	\$ 92,095	\$ 79,310
Bellingham	64	59,225	100,215
Everett	74	31,210	58,760
Hoquiam	47	29,255	36,375
Longview	9	2,147	109,825
Olympia	30	10,503	43,390
Seattle	696	2,615,810	4,764,625
Spokane	249	246,390	521,910
Tacoma	217	213,185	396,850
Vancouver	39	39,580	63,130
Walla Walla	24	22,835	35,240
Wenatchee	44	130,320	151,530
Yakima	59	68,005	203,295
Total	1,585	\$ 3,561,060	\$ 5,569,455
Pacific Coast Total, 101 Cities	10,310	\$26,852,538	\$35,416,192

SUB'S SUIT AGAINST BOND OF CONTRACTOR NOT SAME AS LIEN

Section 1190 of the California Mechanics' lien law requiring suit to be commenced within 90 days after lien is filed does not apply in a suit brought by a subcontractor to recover on a contractor's bond, according to an opinion handed down by the Second District Court of Appeals, Division 1, in the case of R. J. Luke, subcontractor, vs. the Southern Surety Company, Section 1190 has reference only to liens on real property and not to a suit on a contractor's bond.

It was further held by the court that the public works act of 1919 does not require laborers and materialmen to file any claim of lien in the office of the county recorder; also that requirement of a bond for filing of a verified statement with the board of a public corporation, by whom a contract was awarded was impossible of performance on private work, and no act can be required as a substitute for the impossible.

The plaintiff, Luke, signed an agreement with H. H. Hinds, general contractor, to do the painting, decorating and papering on a six-story hotel building at Seventh St. and Gladys Ave., Los Angeles. After completing the work Luke collected \$4451 from the general contractor. Claiming that \$3227 was still owing him, he later brought suit for the amount against the bond which the general contractor had given. This was furnished by the Southern Surety Company.

A demurrer was filed by the surety company in which it was claimed Luke had not filed his claim with the county recorder, as required by law and set out in the bond; that no verified statement of the claim had been filed with the owner of the property involved, and that suit had not been started within 90 days after filing the lien, as required by the mechanics' lien law. This demurrer was sustained by the superior court, but it was overruled by the appellate court, which remanded the case to the superior court for trial.

In its comment on the case the appellate court said the legal difficulties of the case arose because the bond was in the form that is usually written on public works contracts, while the work involved in the case at issue was private. Provisions for collection on such a bond, the court said, are based on the public works act of 1919. This act requires laborers and materialmen to file their claims with board or other officials of the public body for whom the work was performed, and to commence suit within 90 days after the lien is filed.

The opinion of the appellate court, delivered by Justice Elliott Craig, joined by Justice Conroy and Justice Houser, disposes of the three points of the demurrer as follows:

"As to point one (1) of the demurrer, we have read the public works act and find no requirement therein for filing or recording any claim of mechanic's lien in the office of the county recorder. The mechanic's lien laws do not require the recording of any claim or mechanic's lien in requisite to suit on the bond. (Fraters v. Southwestern etc., Co., 200 Cal. 688, 254 Pac. 1907).

"As to point two (2), the requirement of a bond as to filing a verified statement with the board (supervisors etc.) of a public corporation by which the contract was awarded was impossible of performance for the reason that this is a private work. Respondent contends that such claim should have been filed with the owner, but we cannot agree with this contention. No act was required as substitute for the impossible as regards such filing of a verified claim.

"As to point three (3), section 1190 of the Code of Civil Procedure, requiring suit to be commenced within 90 days after the filing of the lien, has no application in this case. The section has reference to liens of mechanics, etc., on real property, and not to a suit on a contractor's bond."

DOWN TOWN ASSOCIATION PROTESTS USE OF FOREIGN STEEL ON STATE PROJECT

Pursuing its campaign to increase the volume of payrolls in the bay district, the Down Town Association's Business Development Department has ascertained that steel imported from Germany is to be used in construction of additions to the State Building in the Civic Center.

B. C. Brown, chairman of the Down Town Association's Business Development Department, has forwarded a communication to B. B. Meek, state director of public works, "in the hope that the state department of public works will use its influence to have rectified a contract which is at variance with President Hoover's program urging that all Federal and state building projects be immediately started and carried on with a view to providing employment for American workmen."

The communication is published herewith:

"One of the units of the San Francisco Down Town Association is a Business Development Department, whose object is to develop local industries and thereby increase local payrolls. During the last eight months this Department has been particularly interested in promoting the building industry in San Francisco and advocating its use of locally-manufactured materials, thereby helping to relieve the existing unemployment situation.

"Very much to our surprise, we are informed that reinforcing steel to be used in the construction of two additions to the State Building in San Francisco is being imported from Germany, and we transmit this information to you with hope that the Department you head will use its influence to have rectified a contract which is at variance with President Hoover's program urging that all Federal and State Building projects be immediately started and carried on with a view to providing employment for American workmen.

"Whatever aid your Department gives us in this matter will be duly appreciated."

FEDERAL AID HIGHWAYS FOR CALIFORNIA

California's federal aid highway fund will be increased from \$5,000,000 to more than \$8,000,000 a year, under increased federal allocations embodied in the Dowell bill, passed by the senate and sent to the president for signature. The president is expected to sign it at once. The measure provides for a yearly increase of \$50,000,000 in federal aid highway appropriations, of which California will receive more than \$1,500,000. The state is now allocated \$2,455,345 annually in federal funds. The Dowell bill increase would bring the amount to \$4,153,992, while the state's contribution at an equal amount, would raise the total from \$4,990,690 to \$8,317,984 annually for road construction work on the federal aid highway systems in the state.

California's share in the yearly increase is exceeded only by five states—Illinois, \$2,000,000; New York, close to \$2,500,000; Ohio, \$1,800,000; Pennsylvania, more than \$2,000,000; and Texas, \$3,000,000.

In addition to the increase provided in the Dowell bill, California is slated for an increase of \$600,000 for the next two fiscal years under the Colton-Oddie bill pending in the house and senate. This measure will increase funds for constructing approach, tie-in, and national forest roads.

Building News Section

APARTMENTS

Plans Being Prepared—
Contract Awarded.

APARTMENTS Cost, \$50,000
SAN MATEO, San Mateo Co., Calif.
Three-story and basement frame and
and stucco apts. (13 3-room apts.)
Owner—Name Withheld.
Architect—Earl Cavasso, 235 3rd Ave.,
San Mateo.
Contractor—Sierra Const. Co., 235 3rd
Ave., San Mateo.

Contract Awarded.
APARTMENTS Cost, \$50,000
STOCKTON, San Joaquin Co., Cal.
NE Hunter and Rose Sts.
Three-story pressed brick apartments
(13 rooms).
Owner—Mr. Marems, % L. Lewkowicz
Stockton.
Architect—Withheld.
Contractor—L. S. Peletz, 1660 W.
Acacia Ave., Stockton.
Present building on site to be razed.
Construction will start about May 1.

Sub-Figures Being Taken.
APARTMENTS Cost, \$40,000
OAKLAND, Alameda Co., Cal. No.
1615 Sixth Avenue.
Three-story frame and stucco apart-
ments (24 2 and 3-room apts.)
concrete and steel frame garage
(24 cars).
Owner and Builder—W. C. Watkin,
100 Echo Ave., Oakland.
Architect—L. F. Hyde, 372 Hanover
St., Oakland.

Segregated Bids Being Taken.
APARTMENTS Cost, \$175,000
SAN FRANCISCO. NE Buena Vista
Ave. and Waller St.
Six-story class C basement and sub-
basement apartments (36 2- and 3-
room apts. and one 10-room apt.)
Owner—Sunacal Investment Co.
Architect—Albert H. Larsen, 447 Sut-
ter Street.

Specifications Being Written.
ALTERATIONS Cost, \$40,000
SAN FRANCISCO. NW Bush St. and
Polk St.
Alter present apartments.
Owner—Estate of Louis Freidman.
Architect—S. Helman, 605 Market St.
Work involves painting, electric wir-
ing, plumbing, frigidaire. Bids will
be called for in one week.

Ornamental and Miscellaneous Iron
Contracts Awarded.
APARTMENTS Cont. Price, \$16,522
SAN JOSE, Santa Clara Co., Cal.
First and Oak Sts.
Two-story reinforced concrete and
frame apartments and stores (4
3-room apts. and 2 stores).
Owner—Mike Sasa, San Jose.
Architect—Charles McKenzie, Bank of
San Jose Bldg., San Jose.
Contractor—Joseph Santi, San Jose.
Ornamental and Miscellaneous Iron
and Structural Steel—San Jose
Iron Works, 535 W-San Carlos St.,
San Jose.

LUCERNE, Lake Co., Cal.—Lucerne
School District votes bonds of \$30,000
to finance erection of a new elemen-
tary school. Trustees of the district
are: M. B. Elliott, Alice M. Andrew,
E. R. Purpus. It is proposed to have
construction started in June.

Contracts Awarded.
APARTMENTS Cost, \$65,000
OAKLAND, Alameda Co., Cal. Pied-
mont Ave. near Ridgeway.
Three-story and basement frame and
stucco apartments (24 2- and 3-
room apts.)
Owner—Harry Schuster, 2124 Curtis
St., Berkeley.
Plans by Harry K. Jensen, 354 Hobart
St., Oakland.
Lumber—Tilden Lumber Co., foot of
University Ave., Berkeley.
Window Frames—Chicago Lumber Co.
of Washington, 959 69th St., Oak-
land.
Architect taking segregated bids.

Contract Awarded.
APARTMENTS Cost, \$50,000
BERKELEY, Alameda Co., Cal. No.
2420 Virginia Street.
Three-story frame and stucco apart-
ments (51 rooms).
Owner—A. G. Tweedt, 1121 Hampel
St., Oakland.
Architect—None.
Contractor—Henry Tweedt, 4035
Greenwood St., Berkeley.

Sub-Contracts Awarded.
APARTMENTS Cost, \$170,000
OAKLAND, Alameda Co., Calif. 286
Lennox Ave.
Six-story and basement steel frame
and concrete apartment building
(36 2- 3- and 4-room apts.; 108
rooms).
Owner and Builder—Albert Kroll, 3112
Deakin St., Oakland.
Architect—Willis Lowe, 354 Hobart
St., Oakland.

Reinforcing Steel—McGrath Steel Co.,
61 Bluxome St., San Francisco.
Hardwood Flooring—Martin M. Fried-
man, 4044 La Cresta St., Oakland.
Steel Form Pans—Concrete Eng. Co.,
1250 Indiana St., San Francisco.
Brick Work—Kroll Co., Oakland.
Lumber and Mill Work—Hogan Lum-
ber Co., 2nd and Alice Sts., Oak-
land.
Plumbing—A. M. Paulsen, 354 Hobart
St., Oakland.
Electric Work—California Elec. Co.,
579 18th St., Oakland.
Elevators—Spencer Elevator Co., 166
7th St., San Francisco.

As previously reported, excavating
awarded to J. Catucci, 1212 18th Ave.,
Oakland; structural steel to Herrick
Iron Works, 18th and Campbell Sts.,
Oakland.

Bids Being Taken.
APARTMENTS Cost, \$—
LOS ANGELES, Cal. Franklin Ave.,
between Vine and Argyle.

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

Eight-story Class A reinforced con-
crete and steel apartments.
Owner—Security Improvement & Fi-
nance Co., Los Angeles.
Architect—Milton M. Friedman, 33
N. Normandie Ave., Los Angeles.

Sub-Bids Wanted.
APARTMENTS Cost, \$175,000
SAN FRANCISCO. N Clay Street bet
Franklin and Gough Sts.
Six-story steel frame and reinforce
concrete apts. (24 5- and 6-room
apts).
Owner and Builder—A. J. Falvey, 195
Clay St.
Architect—H. C. Baumann, 251 Kear-
ny Street.
Engineer—James Smith, 251 Kearny.
Plans have been revised and sub
bids are now wanted on all portion
of the work.

BONDS

HAYWARD, Alameda Co., Calif.—
Election will be held May 1 in inde-
pendent School District to vote bond
of \$11,250 to finance school improve-
ments. Trustees of the district are
B. H. Manter, Mikkil Anderson and
T. L. Petersen.

SANTA ANA, Orange Co., Cal.—
Voters of the Santa Ana High School
District voted bond issue totaling
\$494,000 to defray cost of erection of
Frances Willard High School and for
additions to Julia Lathrop High
School. Allison & Allison, 1005 Cal-
ifornia Reserve Bldg., Los Angeles, ar-
chitects.

ALHAMBRA, Los Angeles Co., Cal
—Alhambra Board of Education
adopted resolution declaring its in-
tention of calling bond election soon
to provide funds for Junior High
School plant in San Gabriel District
to cost \$350,000 second Junior High
School in Alhambra, and Senior High
School on South Seventh St. site of
Alhambra, contingent on San Gabriel
remaining part of Alhambra City High
School District. John C. Austin,
Frederic M. Ashley and John Walker
Smart will probably be architects.

SAN JOSE, Santa Clara Co., Cal.—
Until May 5 bids will be received by
county supervisors for purchase of the
\$45,000 bond issue of the Franklin
School District, proceeds of the sale
to finance erection of a new school
W. H. Weeks, Hunter-Dulin Bldg.,
San Francisco; 1736 Franklin St., Oak-
land and Bank of Italy Bldg., San
Jose, architect.

CHURCHES

Plans Being Figured—Bids Close April
15th.
CHAPEL Cost, \$25,000
SOUTH SAN FRANCISCO San Ma-
teo Co., Cal.
One-story reinforced concrete chapel
for undertaking establishment.
Owner—S. Nieri Undertaking Co., 321
Grand Ave., South San Francisco.
Architect—Edwards and Schary, 601
Market St., San Francisco.
Bids are being taken for a general
contract.

Preparing Plans.
CHURCH Cost, \$150,000
LOS ANGELES, Cal. 34th St. near
University Ave.
Class A reinf. concrete and fact brick
church (85x120-ft.)
Owner—University Methodist Church.
Architect—C. R. Johnson, College of
Architecture, University of South-
ern California at Los Angeles.

Preparing Working Drawings.
ALTERATIONS Cost, \$16,000
SANTA ROSA, Sonoma Co., Cal.
Alterations and additions to present
church building (erect social hall
and general alterations).
Owner—First Methodist Episcopal
Church.
Architect—Rollin S. Tuttle, Box C,
Los Gatos.
Mead Clark, E. A. Eymann and W.
J. Meeker are on the building com-
mittee.
Bids will be taken in two weeks.

Plans To Be Prepared.
ADDITION Cost, \$25,000
OAKLAND, Alameda Co., Cal. 26th
St. and Broadway.
Addition to present church.
Owner—First Presbyterian Church
(Rev. Frank Silsley, Pastor).
Architect—Not Selected.

Preliminary Plans Being Prepared.
CHURCH Cost, \$25,000
STOCKTON, San Joaquin Co., Cal.
Stanislaus and Lafayette Sts.
Two-story Class C brick church with
tile roof (stage, social hall and
auditorium to seat 400).
Owner—Greek Orthodox Church.
Architect—Jos. Losekann, 1218 W.
Harding St., Stockton.

Plans Being Prepared.
CHURCH Cost, \$40,000
OAKLAND, Alameda Co., Cal. St.
Jame Road.
One-story frame and stucco church
(Spanish type).
Owner—Corpus Christi Parish.
Architect—W. E. Schirmer, 700 21st
St., Oakland.
Bids will be taken in about three
weeks.

Plans Being Prepared.
AUDITORIUM Cost, \$100,000
TUCSON, Ariz.
Masonry church auditorium (seating
capacity 1000; Spanish Colonial
type).
Owner—Trinity Presbyterian Church.
Architect—Robert H. Orr, 1300 Cor-
poration Bldg., Los Angeles.
Bids will be taken in 30 days.

**FACTORIES AND WARE-
HOUSES**

Sub-Contracts Awarded.
FACTORY Cont. Price, \$28,897
SAN JOSE, Santa Clara Co., Cal. NW
First and W Reid St.
One-story and mezzanine floor frame
tire plant (98x133 feet).
Owner—Firestone Tire & Rubber Co.,
111 Townsend St., San Francisco
Architect—Eng. Dept. of Owner.
Lessee—Fair-McQuoid Co., 397 E-First
St., San Jose.
Contractor—R. O. Summers, 17 North
First St., San Jose.
Structural and Reinforcing Steel—San
Jose Iron Works, 535 W-San
Carlos St., San Jose.
Millwork and Lumber—S. H. Chase
Lumber Co., 547 W-Santa Clara
St., San Jose.
Sheet Metal Work—Wm. Serpa, 497
N-13th St., San Jose.
Painting—Bud Gallichotte, 117 S-
Third St., San Jose.
Plastering—Earl Heple, 494 Delmas
St., San Jose.

Plumbing—Wm. Serpa, 497 N-13th St.,
San Jose.
Electrical Work—Coast Electric Co.,
1022 S-First St., San Jose.
Glass—Garden City Glass Co., 762
Lenzen St., San Jose.
Wall and Floor Tile—Thos. H. Price
Co., 50 Vine St., San Jose.
Steel Sash—San Jose Iron Works.

Plans Being Prepared.
PACKING PLANT Total cost, \$400,000
OAKLAND, Alameda Co., Cal. Five
acre tract Fifty-seventh Ave. near
E-14th Street.
Fireproof packing plant.
Owner—Cutler-Loblinger Packing
Co., Ontario, Calif.
Plans by Austin Co. of California.
Contractor—Austin Co. of California,
1924 Broadway, Oakland.
Plans will be completed in about
two weeks.

OROVILLE, Butte Co., Cal.—E. C.
Fisher Planning Mill suffered \$10,000
fire loss April 1. Reconstruction will be
started at once.

Working Drawings Being Prepared.
CREAMERY Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. San
Carlos and Locust Sts.
One-story and mezzanine reinforced
concrete creamery.
Owner—Hester Creamery, San Carlos
St., San Jose.
Architect—Wolfe & Higgins, 19 N-
Second St., San Jose.
Bids will be taken in two weeks.

MADERA, Madera Co., Cal.—Little
River Redwood Co. has purchased a
site, 50 by 150-ft., in North F Street,
adjoining its present yards, on which
will be erected a mill. Will be wood
frame with glanzvanized walls and roof.

Preparing Working Drawings.
CREAMERY Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. W
San Carlos and Locust Sts.
One-story reinforced concrete cream-
ery.
Owner—Hester Creamery Co., San
Jose.
Architect—Wolfe & Higgins, Realty
Bldg., San Jose.
Plans will be ready for bids in two
weeks.

SACRAMENTO, Cal.—National En-
gine & Boat Co., New York, N. Y.,
contemplates the erection of a factory
branch in California. Various sites
are being considered in Sacramento
by Ira Hand, secretary-manager and
Capt. R. P. Blythe, public relations
counsel of the corporation.

Contemplated.
WAREHOUSE Cost, \$60,000
SAN MATEO, San Mateo Co., Calif.
Peninsular Ave. and Woodside
Way.
Warehouse, rock, sand and gravel
bunkers.
Owner—H. E. Casey Co. (H. E. Casey,
manager), San Mateo.
Architect—Not Selected.

Contract Awarded.
WAREHOUSE Cont. price, \$17,999
OAKLAND, Alameda Co., Calif. 14th
Ave. and E 14th St.
Three-story factory and warehouse
(wood and steel frame, reinforced
concrete and hollow tile construc-
tion).
Owner—Caldow Paint Co., 1422 14th
Ave., Oakland.
Architect—C. W. McCall, 1404 Frank-
lin St., Oakland.
Contractor—Villadsen Bros., 461 Mar-
ket St., San Francisco.
Sub-bids will be taken shortly.

Preparing Plans.
FACTORY Cost, \$—
INGLEWOOD, Los Angeles Co., Cal.
Florence Ave.
One-story brick factory (100x125-ft.).
Owner—Haydon Ice Cream Co., 137 N
Market St., Inglewood.
Plans by Austin Co. of California.
Contractor—Austin Co. of California,
777 E Washington St., Los Angeles

Contract Awarded.
SHOP Cost, \$12,000
SAN FRANCISCO. Bay St and Co-
lumbus Ave.
One-story 50x100-foot reinforced con-
crete shop building.
Owner—Max Samuel.
Architect—H. C. Baumann, 251 Kearny
Street.
Contractor—Ralph McLeran & Co.,
Hearst Bldg.

Plans Being Prepared.
Contract Awarded.
ADDITIONS & REARRANGEMENTS
Cost, \$4,500,000 including equiv.
TRONA, San Bernardino Co., Cal On
the Mojave Desert.
Additions and re-arrangements of
present plant, including installa-
tion of equipment.
Owner—American Potash & Chemical
Corp., Philadelphia, Pa.
Engineers & Contractors—United En-
gineers and Constructors, Inc.,
Philadelphia.

RICHMOND, Contra Costa Co., Cal.
—Cyrus S. Eaton, banker of Cleve-
land, Ohio, is reported to be backing a
concern composed of Eastern interests
planning the construction of a \$36,-
000,000 steel manufacturing plant in
Richmond.

SAN FRANCISCO—Board of Fire
Commissioners seeks \$60,000 in next
fiscal year budget to finance erection
of a new plant shop at the municipal
corporation yard.

**GARAGES AND SERVICE
STATIONS**

Contract Awarded.
SERVICE STATION Cost, \$—
BAKERSFIELD, Kern Co., Cal. 21st
and K Streets.
Brick service station.
Owner—Pacific Goodrich Rubber Co.,
Los Angeles.
Plans by Eng. Dept. of Owner.
Contractor—Henry Eissler, 2229 18th
St., Bakersfield.

Sub-Contracts Awarded.
GARAGE Cost, \$50,000
SAN JOSE, Santa Clara Co., Cal.
Market and Balbach Sts.
Reinforced concrete public garage.
Owner—Pichetti Bros., 402 S-First St.,
San Jose.

**Architect—Binder & Curtis, 35 West
San Carlos St., San Jose.**
Contractor—Thermotite Constr. Co.,
499 Stockton St., San Jose.
Reinforcing Steel—Pacific Coast Steel
Co., 111 Sutter St., San Francisco.
Structural Steel—Golden Gate Iron
Works, 1541 Howard St., S. F.
Lumber—Hubbard & Carmichael Bros.
384 W. Santa Clara St., San Jose.
Mill Work—Pacific Mfg. Co., 710 Bel-
lomy St., San Jose.
Miscellaneous Iron—H. Hellwig, 577
W. Santa Clara St., San Jose.
Roofing—Fred Hayden, 269 Stockton
St., San Jose.
Plumbing and Sheet Metal—Wm.
Serpa, 497 N-13th St., San Jose.
Painting—Chas. Lyndon, San Jose.

Plans Being Prepared.
GARAGE Cost, \$20,000
GILROY, Santa Clara Co., Calif.
One-story reinf. concrete auto sales
and garage building.

Owner—H. E. Robinson, Gilroy.

Plans by M. J. Murphy, Carmel.

Whether bids will be called for or not at this time is indefinite.

Contract Awarded.

STATION Cost, \$6000

STOCKTON, San Joaquin Co., Cal.
No. 2393 Pacific Avenue.

Service station.

Owner—A. J. McPhee, 520 E-Oak St., Stockton.

Architect—None.

Contractor—Fay Zinds, Premises.

Plans Being Figured.

STATION Cost, \$20,000

SACRAMENTO, Cal.
Brick and concrete super-service station.

Owner—The Pacific Goodrich Rubber Co., 5400 E-Ninth St., Los Angeles.

Plans by Eng. Dept. of Owner.

New Site To Be Selected.

GARAGE Cost, \$30,000

WATSONVILLE, Santa Cruz Co., Cal.
One-story concrete garage building.

Owner—W. W. Bendell, 213 Main St., Watsonville.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

GOVERNMENT WORK AND SUPPLIES

HAWTHORNE, Nev.—Until April

22, at 10 A. M., bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish locomotive crane to the Naval Ammunition Depot at Hawthorne, Nevada. Specifications obtainable from above office and on file in Navy Purchasing Office, 100 Harrison St., San Francisco.

SAN DIEGO, Cal.—Until 11 A. M.,

April 22, bids will be received by the Public Works Officer, 11th Naval District, San Diego, for shell house for small arms ammunition and bomb magazine at the Naval Operating Base (Air Station), San Diego. Spec. No. 5334. Plans obtainable upon deposit of \$10 from Capt. Geo. A. McKay, public works officer. Work will consist of a shell house for small arms ammunition, approx. 15 ft. wide, 36 ft. long and 11 ft. 6 in. high, constructed of reinf. conc.; a bomb magazine, approx. 27 ft. wide and 41 ft. long and 10 ft. 6 in. high at center. The magazine will have a concrete floor, a semicircular reinforced concrete arch with spring line at floor, and vertical concrete end walls. The floor of the magazine will be depressed approx. 3 ft. 6 in. below the surface of the ground and an earth fill will be provided over the magazine. An earth barricade will be provided at the door end of the magazine which shall be retained by a creosoted timber bulkhead. The magazine will have concrete paved road approaches and surface and subsurface drains.

FULLMAN, Wash.—Fred R. Comb Co., 2113 Chicago Ave., Minneapolis, Minn., at \$82,000 awarded contract by Supervising Architect, Treasury Department, Washington, D. C., to erect postoffice at Fullman, Wash. Time for completion 360 days.

PALO ALTO, Santa Clara Co., Cal.

—Until April 26, 10 A. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to furnish and install complete gas mains to boiler house and gas burners in boilers at the U. S. Veterans' Hospital at Palo Alto. Bond of 50% of the contract price will be required of the successful

bidder. Partial payments will be made monthly covering approximately 20% of the completed work. Plans obtainable from Supervising Superintendent of Construction at the hospital.

SAN FRANCISCO—Cochran & St. John, Ltd., 911 Mission St., at \$2335 awarded contract by Constructing Quartermaster, Fort Mason, to install mortuary refrigerator in Morgue No. 27 at the Letterman General Hospital.

PHOENIX, Ariz.—Until April 22, 2

P. M., bids will be received by Jno. B. Brown, superintendent, Phoenix Indian School, to furnish and deliver one 2-compartment and one 3-compartment ovens or steamers. Further information obtainable from above.

PHOENIX, Ariz.—Until April 23, 2

P. M., bids will be received by Jno. B. Brown, superintendent, Phoenix Indian School, to furnish and deliver one California type obstetrical bed complete with mattress, equal to No. 675 manufactured by the Albartross Metal Furniture Co. of Los Angeles. Further information obtainable from above.

PHOENIX, Ariz.—Until April 22, 2

P. M., bids will be received by Jno. B. Brown, Superintendent, Phoenix Indian School, Phoenix, to furnish and deliver one operating table, equal to H. D. Dougherty & Co. No. 3044. Further information obtainable from above.

HAWTHORNE, Nevada.—Bids will

be asked shortly by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6123, for kitchen and cafeteria equipment for the Naval Ammunition Depot at Hawthorne, Nev. The work consists of furnishing and installing oil ranges, dishwashers, vegetable peelers, urn sets, combination kitchen and mixing machines, cook's tables, cafeteria counters and steam tables, and other pieces of kitchen equipment, complete and ready for operation. When available, plan and specification may be obtained from the District Public Works Officer, Room 513, 100 Harrison St., San Francisco, California, upon deposit of \$10 check or money order payable to the Chief of the Bureau of Yards and Docks.

SACRAMENTO, Calif.—Until April

14, 11 A. M., under Circular Proposal No. 30-334, Specifications No. 1809, bids will be received by U. S. Engineer Office, California Fruit Bldg., for the construction of inspection tunnels at site of proposed Kennett dam, also for necessary timbering of same near the town of Kennett. Each tunnel will be 400 ft. long, one to three in number. Further information obtainable from above.

SACRAMENTO, Cal.—Until April

15, 11 A. M., under Order No. 1853-1625, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, miscellaneous kitchen equipment. Specifications and further information obtainable from above.

SACRAMENTO, Cal.—Until April

15, 11 A. M., under Order No. 1816-1625, bids will be received by U. S. Engineer Office, California Fruit Bldg. to furnish and deliver Rio Vista, Solano County:

1 sheave, for 5/8" wire rope, hub dia. 4" and bronze bushed for 1 3/16" pin, 2" thickness at hub and rim, 14" dia. overall.

1 Sheave, for 5/8" wire rope, hub dia. 4" and bronze bushed for 1 1/2" pin, 2" thickness at hub and rim, 14" dia. overall.

1 Sheave, for 5/8" wire rope, hub dia. 4" and bronze bushed for 1 15/16" pin, 2" thickness at hub and rim, 16" dia. overall.

1 Sheave, for 5/8" wire rope, hub dia. 3" and bronze bushed for 1" pin, 1 1/4" thickness at hub and rim, 8" dia. overall.

SAN ANTONIO, Texas.—K. L. Col-

born, Inc., 355 E Green St., Pasadena, sub. low bid at about \$1,250,000 for 93 quarters buildings at Randolph Field, San Antonio, Texas, for U. S. government. Construction will be terra cotta tile with tile roofs, etc.

PUGET SOUND, Wash.—C. C. Moore & Co., Engineers, Inc., Sheldon

Bldg., San Francisco, at \$35,086 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6098, for condenser and auxiliaries at the Puget Sound Navy Yard. Complete list of bids follow:

Item 1, work, complete; 2, add or deduct for services of erector; 3, add for air-cooling unit.

C. C. Moore & Co., Engineers, Inc., Sheldon Bldg., San Francisco, item 1, \$35,086; 2, \$15; 3, \$4283. Telegram: item 1, ded. \$275; 2, ded. \$225.

Worthington Pump & Machinery Corp., Washington, item 1, \$35,600; 2, \$25; 3, \$4375.

Industrial Power Equipment Co., 421 W. Camden St., Baltimore, item 1, \$35,742; 2, \$25; 3, \$4250.

Westinghouse Electric & Mfg. Co., Washington, item 1, \$36,119; 2, \$25.

Elliott Co., Jeannette, Pa., item 1, \$38,014; 2, \$25; 3, \$2959.

HAWTHORNE, Nev.—Until April

16, under Specification No. 6110, new bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for one 100-ton and one 15-ton scale at the Naval Ammunition Depot at Hawthorne, Nevada. The work consists of one 100-ton (200,000-lb.) railroad track scale, one 15-ton (30,000-lb.) motor truck scale and the service of an expert erector to supervise and assist in the installation, all complete. Plans and specifications may be obtained from the District Public Works Officer, Room 513, 100 Harrison St., San Francisco, Cal., upon deposit of \$10 check or money order, payable to the Chief of the Bureau of Yards and Docks. Previous bids were rejected.

SAN FRANCISCO.—Until April 15,

2 P. M., bids will be received by U. S. Forest Service, Ferry Bldg., to furnish and deliver one 12-ft. blade grader and three 8-ft. blade graders.

Specifications obtainable from above office.

MARE ISLAND, Cal.—Bids will be

asked shortly by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6104, to erect six reinforced concrete shell houses and a railroad extension at the Mare Island Navy Yard Ammunition Depot. Plans obtainable from above office on deposit of \$10, returnable.

HAWTHORNE, Nevada.—Bids will

be asked shortly by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6112, for buildings, beach development, and fences at the naval ammunition depot, Hawthorne, Nev. Work will include concrete and hollow

le, built-up and asbestos shingle roofing, steel and iron work, steel doors and windows, lath and plaster, roof framing and finish, plumbing, heating and electrical systems, developments to a lake beach and approx. 1/2 tin. miles of wire fencing; deposit of \$25 required for plans, obtainable from above office.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Department officer, 100 Harrison St., San Francisco:

Bids Open April 22
Sch. 3135, Mare Island, 8960 sheets roofing plate tin.
Sch. 3156, Mare Island, 3000 lbs. sheet naval rolled brass.
Sch. 3128, Mare Island, 3900 lbs. luminum alloy.
Sch. 3133, eastern and western ards, 41,364 electric flashlights.
Sch. 3132, 600 sq. yds. fearnought oth.

Sch. 3134, western yards, friction nd insulating plate, rubber.
Sch. 3157, Mare Island, empty practice bombs.
Sch. 3173, Mare Island, airport lasses.

Sch. 3146, western yards, packing wick, rope and condenser tube).
Sch. 3163, western yards, wire brass, copper, bronze, and steel).

Sch. 3164, San Diego and Mare Island, 6800 spark plugs.
Sch. 3156, western yards, glass, window, plate, and ribbed.

Sch. 3155, western yards, wire rope nd seizing strand.
Sch. 3152, western yards, 49 venting sets and spares.

Sch. 3149, Mare Island, 70,000 diamaceous earth calcined bricks.

Sch. 3176, Mare Island and Puget ound, 26,000 ft. lighting and power able.

Sch. 3170, eastern and western ards, fuse and fuse elements, wire, use.

Bids Open April 29
Sch. 3141, f. o. b. works, transmitters, radio and spare parts.

Bids Open May 15
Sch. 3144, west coast, motor and domestic aviation gasoline for a period of 6 or 12 months, beginning July 1.

SAN FRANCISCO—Until April 14, P. M., bids will be received by U. S. Forest Service, Ferry Bldg., to furnish and deliver one 1/4-ton heavy duty and nine light duty trucks.

HALLS AND SOCIETY BUILDINGS

construction To Be Started At Once.
DANCE FLOOR Cost, \$—
SALON, Stanislaus Co., Cal.
ance floor, 60 by 100 ft.

Owner—Gustafson-Thompson Post No. 263, American Legion, Escalon.

Architect—To Be Selected.

It is proposed to construct the floor t once and use the same for open air ocials, funds received from such socals to finance the construction of a structure to house club rooms, etc., or the veterans.

Contract Awarded.
ODGE Cont. price, \$80,733
SAN FRANCISCO. Valencia St. near Market St.

Three-story and basement reinforced concrete and steel lodge building (50x165-ft.)

Owner—Independent Order of Foresters.

Architect—Harold Stoner, 220 3rd Ave. S. Mateo.

Contractor—Frank J. Reilly, 6350 Fulton Street.

Planned.
CLUBHOUSE Cost, \$—
PORTERVILLE, Tulare Co., Cal.

New clubhouse and alterations to present building.

Owner—Monache Golf Club, Porterville.

Architect—None.

VALLEJO, Solano Co., Cal.—Bedford Furniture Co., Vallejo, awarded contract by Veterans' Alliance to furnish and place linoleum in lobby and lodge rooms of organization; will be Armstrong A-Grade inlaid marble with exception of stairs and hallways to be of Jasper linoleum.

HEALDSBURG, Sonoma Co., Cal.—City Engineer Archer B. Stuart has completed plans for tennis court to be constructed on American Legion property in Center street. Construction of a playground and clubhouse is also contemplated.

Plans Being Completed.
CLUBHOUSE Cost, \$2,500
REDWOOD CITY, San Mateo Co., Cal.

Yacht Harbor.
One-story frame clubhouse.

Owner—City of Redwood City.

Plans by Chas. L. Dimmitt, city eng.

The city council will issue a call for bids for construction in about two weeks.

Plans To Be Prepared.
BUILDING Cost, \$10,000
FRESNO, Fresno Co., Cal. Kern St.

bet. M and N Sts.
Two-story brick headquarters bldg.

Owner—Volunteers of America, Major Wm. Smith, in charge.

Architect Not Selected.

HOSPITALS

Plans Being Prepared.
HOSPITAL Cost, \$75,000
ATWATER, Merced Co., Cal.

Fireproof hospital.

Owner—Dr. W. C. Cotton.

Engineer—W. E. Bedesen, Shafter Bldg., Merced.

Contract Awarded.
ADDITIONS Cost, \$35,000
SAN LUIS OBISPO, San Luis Obispo Co., Calif.

Additions to hospital (Class C brick construction).

Owner—Dr. Gallup & Mugler, San Luis Obispo.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contractor—W. J. Smith, 1115 Higuera St., San Luis Obispo.

Date Of Opening Bids Postponed For One Week.

HOSPITAL Cost, \$200,000
TUCSON, Arizona.

One-story reinforced concrete and brick hospital.

Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.

Architect—A. I. Coffey and Martin J. Rist, Phelan Bldg., San Francisco.

ATWATER, Merced Co., Cal.—Gen. Bloss Sr. and Geo. Bloss Jr. of Atwater, through their attorney, F. W. Henderson, Merced, has offered to erect a branch county hospital at Atwater to be known as the Ella Stone Bloss Memorial Hospital. The structure would cost \$50,000 exclusive of a 2 1/2 acre site offered with the building. Plans for the building would be prepared by the county. After com-

pletion the county would equip and maintain the structure as a county institution.

Preparing Working Drawings.
ADDITION Cost, \$—
STOCKTON, San Joaquin Co., Calif.

Lincoln and Magnolia Sts.

Three-story and basement brick and concrete hospital addition.

Owner—Dameron Hospital, Lincoln & Magnolia Sts., Stockton.

Architect—H. G. Bissell, 421 E Miner St., Stockton.

Plans will be ready for bids in about two weeks.

HOTELS

Plans Being Completed.
HOTEL Cost, \$500,000
EUREKA, Humboldt Co., Calif. NW

4th and F Sts.

Eight- or nine-story 200-room modern hotel building.

Owner—Pickwick Co. (Ed. Thompson, 5th and Mission Sts., San Francisco, in charge).

Architect—O'Brien Bros. and W. D. Pengh, 315 Montgomery St., San Francisco.

Bids will be called for in about two weeks.

As previously reported, soundings are being made by Mercer-Fraser Co., Eureka.

Contract Awarded.
HOTEL Cost, \$42,000
SALINAS, Monterey Co., Cal. Gabilan

St. bet. Main and Monterey Sts.

Three-story concrete hotel.

Owner—Walter and Leona Webling, Salinas.

Plans by Wesley W. Hastings, Monterey.

Contractor—M. J. Murphy, Carmel.

Contract Awarded.
ADDITIONS Cost, \$125,000
MODESTO, Stanislaus Co., Cal. Hotel

Covell.

Additions to hotel.

Owner—Hotel Covell, Modesto.

Architect—A. W. Cornelius, 74 New Montgomery St., San Francisco.

Contractor—E. K. Nelson Bldg. Co., 557 Market St., San Francisco

Contract Awarded.
HOTEL Cost, \$250,000
LAS VEGAS, Nevada.

Five-story masonry fireproof hotel (100 rooms and tile baths).

Owner—Dr. R. C. Martin, Las Vegas.

Architect—None.

Contractor—Frank J. Solt, Fifth and E Streets, San Bernardino.

Plans Being Completed.
HOTEL Cost, \$100,000
BLUE LAKE, Lake Co., Calif. 250-

acre tract.

Three-story frame and stucco hotel (224x126-ft)

Owner—Blue Lakes Hotel and Resort Corp., Harry W. Kemp, president.

Architect—Charles Strothoff, 2724 15th St., San Francisco.

Bids will be taken in about 10 days.

Will contain 48 rooms, all of which will have private baths. Steam heating; glass enclosed porches. Basement

will provide dressing rooms for bathers, a barber shop and five store rooms.

Completing Plans.
HOTEL Cost, \$150,000
SAN FRANCISCO. Hyde St. between

Turk and Eddy Sts.

Six-story reinforced concrete hotel.

Owner and Builders—Bell Bros., Mills Building.

Architect—E. H. Denke, 1317 Hyde St.

Bids will be taken in about 2 weeks.

ICE AND COLD STORAGE PLANTS

CALWA, Fresno Co., Cal. — Lynch Construction Co., 730 Merrill St., Los Angeles, awarded contract for constructing new icing docks at Calwa for Santa Fe Railway. Newbery Elec. Corp., 726 S. Olive St., Los Angeles, has contract for electric wiring. Will be timber structures. Owner will furnish maple and cedar decking.

POWER PLANTS

LOS ANGELES, Cal.—Until 10 A. M., April 15, bids will be received by D. T. Nicklin, purchasing agent, Los Angeles Water & Power Bureau, for lead covered cables; Adv. 1307.

CALIFORNIA—Southern California Edison Co., 306 W. Third St., Los Angeles, completed plans and will start work within 90 days on substations and stores as follows: South Park substation at Compton, \$10,000; new concrete, brick and steel store building at Long Beach, \$60,000; Hathaway substation at Long Beach, \$10,000; Naples substation at Long Beach, \$25,000; Michilinda sub-station at Monrovia, \$5,000; Spadra sub-station at Pomona, \$10,000; Palos Verdes Substation at Redondo Beach, \$5,000; Modoc substation at Santa Barbara, \$10,000; Pearl substation at Santa Monica, \$25,000. Work has been started on Randolph substation and additions to store room and garage at Vernon. Amounts noted above represent money to be spent for buildings only. Work will be done by the owner's construction department and all materials purchased and subcontracts awarded by purchasing department.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., April 17, bids will be received by the city council for delivering f. o. b. Glendale, S. P. R. R. Sepulveda siding, the following:
Item 1: 170 sixty foot Douglas fir poles, in accordance with specifications No. 149 for Douglas Fir and Southern Yellow Pine poles.
Item 2: Three 65 foot Douglas fir poles, in accordance with specifications No. 149 for Douglas Fir and Southern Yellow Pine poles.

Alternative bids will be received on: 170 sixty foot Western Red Cedar poles pressure treated full length, in accordance with specifications No. 148 for cedar poles.

Alternative bids will be received on: 3 sixty-five foot Western Red Cedar poles pressure treated full length, in accordance with specifications No. 148 for cedar poles.

Certified check, 10%. G. E. Chapman, city clerk.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

SANTA ANA, Orange Co., Calif.—Until 11 A. M., April 15, bids will be received by Orange county supervisors, Santa Ana, for sound amplifying system to be installed at Irvine Park. Plans and specifications on file with Orange county purchasing agent, Hall of Records, Santa Ana. J. M. Backs, county clerk.

LONG BEACH, Los Angeles Co., Cal.—Minneapolis Steel & Machinery Co., C. C. Chapman Bldg., Los Angeles, has been awarded structural steel contract in connection with new municipal auditorium in Long Beach

for city of Long Beach. R. E. Campbell, 711 Central Bldg., Los Angeles, general contractor. J. H. MacDowell, New York City, architect. W. H. Austin, Pacific Southwest Bank Bldg., Long Beach, resident architect.

Contract Awarded.
CITY HALL Cost, \$12,715
CORCORAN, Kings Co., Cal.
Combination firehouse and city hall pressed brick construction; Spanish type).
Owner—City of Corcoran.
Architect—C. E. Butner, Cory Bldg., Fresno.
Contractor—R. J. Hodgson and Son, Porterville.

Following is a complete list of bids received:

R. J. Hodgson & Son, Porterville	\$12,715
L. C. Nelson, Kingsburg	13,125
Geo. G. Wood, Fresno	13,164
Irwin & Hopkins, Fresno	13,375
R. E. Lewis, Corcoran	13,486
Brown & Houghan, Hanford	13,592
W. T. Harris, Fresno	13,681
Jolly & Harrington, Fresno	13,701
C. H. Smith, Tulare	13,782
B. Brown, Visalia	13,996
M. M. Rumley, Tulare	14,072
L. C. Clark, Visalia	14,143

Commissioned To Prepare Plans.
HALL OF JUSTICE Cost, \$200,000
PASADENA, Los Angeles Co., Cal.
North Garfield Avenue.

Four-story reinforced concrete Hall of Justice (80x100 feet).

Owner—City of Pasadena.
Architect—J. J. Blick and W. W. Warren, Associated, 1247 Green St., Pasadena.

Low Bidders.
ARMORY \$75,000 available
LONG BEACH, Los Angeles Co., Cal.
Two-story reinforced concrete armory with steel roof.

Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.

Structure will be of steel and concrete frame construction with concrete walls and floors, steel and wood roof construction and tile and composition roofs. The floor area is approximately 21,265 square feet.

General Work
George Mitty, 412 W 6th St., Los Angeles, \$41,591.

Plumbing and Heating
Pacific Pipe & Supply Co., 1002 Santa Fe Ave., Los Angeles, \$4,614.

Electrical Work
Kuster Wetzel Electric Co., Long Beach, \$1,865.

RESIDENCES

Plans Being Figured.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. Regal Road.

Two-story frame and stucco residence.
Owner—Fred McCoy.

Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Preparing Preliminary Plans.
RESIDENCE Cost, \$16,000
OAKLAND, Alameda Co., Cal. Rockridge District.

Two-story frame and stucco residence (9 rooms, 3 baths).

Owner—Withheld.
Architect—Ernest Flores, 1803 Franklin St., Oakland.

Mgr. of Constr.—Ralph Wood, 1803 Franklin St., Oakland.

ST. HELENA, Napa Co., Cal.—Residence of Albert Carpy near the St. Helena city limits, destroyed by fire April 3. Loss is estimated at \$25,000 to \$40,000 including contents. The loss is covered by insurance.

Sub-Contracts Awarded.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Cal. Woodstock Avenue.
Two-story and basement frame and stucco residence (9 rooms).
Owner and Builder—George W. Williams & Co., 1404 Broadway, Burlingame.

Architect—Grimes & Schoening, Balovich Bldg., San Mateo.

Concrete—Gus Adolphson, 706 N. Claremont St., San Mateo.

Lumber—Wisnom Lumber Co., Fifth and Claremont Sts., San Mateo.

Sub-bids are being taken on other portions of the work.

Contract Awarded.
RESIDENCE Cost Approx. \$15,000
SANTA CRUZ, Santa Cruz Co., Cal. Pasaatiempo Golf Course & Estates Property (2 acre site).

One-story and basement frame and stucco residence (8 rooms).

Owner—Robert Howes, % "Pasaatiempo," Santa Cruz.

Architect—Wm. W. Wurster, 260 California St., San Francisco.

Contractor—Arthur Payne, % Hayward Lumber Co., 4917 Pacific St., Santa Cruz.

Plans Being Completed.
RESIDENCE Cost, \$50,000
PIEDMONT, Alameda Co., Cal. Glen Alpine Road.

Two-story frame, stucco and brick veneer residence (16 rooms).

Owner—J. C. Witter, 116 Parkside Dr., Oakland.

Architect—Williams & Wastell, 374 17th St., Oakland.

Plans will be ready for bids in two weeks.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$7000
OAKLAND, Alameda Co., Cal. Rockridge District.

Two-story frame and stucco residence (5 rooms).

Owner—Withheld.
Architect—Ernest Flores, 1803 Franklin St., Oakland.

Mgr. of Constr.—Ralph Wood, 1803 Franklin St., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$75,000
LOS ANGELES, Cal. Second St. near Hudson Place.

Two-story brick veneer residence (10 rooms).

Owner—Dr. Ed. M. Pallette, 950 So. Hoover St., Los Angeles.

Architect—David J. Wiltner and Loyall F. Watson, Architects' Bldg., Los Angeles.

Contract Awarded.
ADDITION Cost, \$70,000
PASADENA, Los Angeles Co., Calif. 15,062 Corona Del Mar St.

Two-story frame and stucco addition to residence (48x86-ft.).

Owner—Stone & Melcher, Chicago.

Architect—Garrett Van Pelt, Jr., 51 S. Euclid Ave., Pasadena.

Contractor—W. A. Taylor & Sons, 36 W Union Ave., Pasadena.

Plans Being Prepared.
RESIDENCE Cost, \$250,000
PHOENIX, Arizona.

Two-story and basement brick residence (200x60-ft.).

Owner—Wm. Wrigley.

Architect—Earl T. Heitschmidt, 807 Subway Terminal Bldg., Los Angeles.

Mr. Heitschmidt will also prepare plans for several other large residences to be erected at Phoenix.

Bids Opened.
RESIDENCE Cost, \$—
STOCKTON, San Joaquin Co., Cal.
 State Hospital Farm.
 One-story and basement frame as-
 sistant physician's residence (6
 rooms), stucco exterior, shingle
 roof.
 Owner—State of California.
 Architect—Geo. B. McDougall, State
 Architect, Public Works Bldg.,
 Sacramento.
 H. W. Johnson, 1229 W. Magnolia
 St., Stockton.....\$7590
 Ecker & Stegmiller, Stockton..... 8565
 Sorensen & Haggmark, S. F..... 8675
 J. Magnusson, S. F..... 8590
 Witzelberger, Woodland..... 9600
 Bids held under advisement.

Plans Being Figured.
SORORITY HOUSE Cost, \$40,000
WESTWOOD, Los Angeles Co., Calif.
 Westwood Campus, U. C. L. A.
 Two-story and basement frame and
 stucco sorority house (accommo-
 date 25 girls).
 Owner—Delta Zeta Sorority.
 Architect—R. H. Ainsworth, Central
 Bldg., Pasadena.

Contract Awarded.
RESIDENCE Cost, \$—
BERKELEY, Alameda County, Calif.
 Thousand Oaks and San Fernando
 Streets.
 Two-story and basement frame and
 stucco residence (9 rooms).
 Owner—E. H. Horton, 616 Santa Rosa
 St., Berkeley.
 Architect—Sidney B. Noble & Archie
 T. Newsom, Federal Realty Bldg.,
 Oakland.
 Contractor—Alex Wieben, 337 17th St.,
 Oakland.

Plans Complete.
RESIDENCE Cost, \$8000
OAKLAND, Alameda Co., Cal. Oak
 Knoll.
 Two-story frame and stucco residence
 Owner—S. D. Sulprizio, 531 Kearny
 St., Fresno.
 Architect—R. F. Keefer, 3231 Lake-
 shore Ave., Oakland.
 Contractor—Name Withheld.
 Announcement will be made shortly.

Plans Being Figured.
RESIDENCE Cost, \$20,000
HILLSBOROUGH, San Mateo Co., Cal.
 Two-story and basement frame and
 stucco residence.
 Owner—Michel Casserly.
 Architect—Willis Polk Co., 277 Pine
 St., San Francisco.
 Bids are being taken from a se-
 lected list of contractors.

Plans Being Figured.
RESIDENCE Cost, \$15,000
SAN CARLOS, San Mateo Co., Cal.
 Two-story frame and stucco residence
 (6 rooms, 2 baths).
 Owner—W. C. Lyons, San Carlos.
 Architect—Grimes & Schoening, Bal-
 vich Bldg., San Mateo.
 Bids are being taken for a general
 contract.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$30,000
HEALDSBURG, Sonoma Co., Cal.
 Two-story brick veneer residence.
 Owner—O. A. White.
 Architect—Erle J. Osborne, Balboa
 Bldg., San Francisco.
 Plans will not be ready for bids for
 about 60 days.

Plans Being Completed.
RESIDENCE Cost, \$5500
MONTREY, Monterey Co., Calif.
 One-story and basement frame and
 stucco residence.
 Owner—Mr. Marks.
 Architect—Swartz & Ryland, Spazier
 Bldg., Monterey; Brix Bldg., Fres-
 no, at 373 Main St., Sallinas.
 Bids will be taken in 1 week.

Plans Being Figured—Bids Close May
 6, 2 P. M.
COTTAGE Cost, \$—
SPADRO, Los Angeles Co., Cal. State
 Hospital grounds near Pomona.
 One-story and basement frame and
 stucco assistant physician's cot-
 tage (shingle roof, 6 rooms).
 Owner—State of California.
 Architect—State Department of Pub-
 lic Works, Division of Architec-
 ture, Geo. B. McDougall, state ar-
 chitect, Public Works Bldg., Sacra-
 mento.

Alternate bids will be considered for
 clay tile roofing.
 Certified check 10% payable to
 "State Engineer, Department of Pub-
 lic Works" required with bid. Plans
 obtainable from State Dept. of Public
 Works on deposit of \$25, returnable,
 and on file at room 1025 Associated
 Realty Bldg., Los Angeles.

Plans Being Figured—Bids Close May
 6, 2 P. M.
COTTAGE Cost, \$—
PATTON, San Bernardino Co., Calif.
 State Hospital Grounds.
 One-story frame and stucco assistant
 physician's cottage (shingle roof,
 6 rooms).
 Owner—State of California.
 Architect—State Department of Pub-
 lic Works, Division of Architec-
 ture, Geo. B. McDougall, state ar-
 chitect, Public Works Bldg., Sacra-
 mento.

Alternate bids will be considered for
 clay tile roofing.
 Certified check 10% payable to
 "State Engineer, Department of Pub-
 lic Works" required with bid. Plans
 obtainable from State Dept. of Public
 Works on deposit of \$25, returnable,
 and on file at room 1025 Associated
 Realty Bldg., Los Angeles.

Contract Awarded.
RESIDENCE Cost, \$30,000
PIEDMONT, Alameda Co., Cal. Clare-
 mont Pines.
 Two-story and basement frame and
 stucco residence.
 Owner—F. B. Travers, 2335 Prince St.,
 Berkeley.
 Architect—E. L. Snyder, 2101 Shat-
 tuck Ave., Berkeley.
 Contractor—Beckett and Wight, 722
 Scenic Ave., Berkeley.
 Grading—Ariss Knapp Co., 961 41st
 St., Oakland.
 Other awards will be made shortly.

Plans Being Prepared—
 Contract Awarded.
RESIDENCE Cost, approx. \$20,000
HILLSBOROUGH, San Mateo Co.,
 Calif.
 Two-story frame and stucco residence
 Owner—Mrs. Scott.
 Architect—Enri Cavasso, 235 3rd Ave.,
 San Mateo.
 Contractor—Petersen & Harbin, 235
 3rd Ave., San Mateo.

Plans Being Figured.
RESIDENCE Cost, \$12,000
MILLBRAE HIGHLANDS, San Mateo
 Co., Cal.
 Two-story frame and stucco residence
 (7 rooms).
 Owner—A. F. Heuer, 509 Sansome St.,
 San Francisco.
 Architect—Enri Cavasso, 235 3rd Ave.,
 San Mateo.
 Bids are being taken for a general
 contract.

Completing Plans.
RESIDENCES Cost each, \$8500
SAN FRANCISCO. Crescent Ave. 400
 off Mission St.
 Two 1-story and basement frame and
 stucco residence (5 rooms each).
 Owner and Builder—A. R. Johnson,
 3301 Mission St.
 Plans by D. E. Jaekle, Call Bldg.
 Sub-bids will be taken April 7.

Concrete Contract Awarded.
RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Cal.
 Woodstock.
 Two-story and basement frame and
 stucco residence (ten rooms, four
 baths).
 Owner and Builder—G. W. Williams,
 1404 Broadway, Burlingame.
 Plans by Russell Coleman, 1404 Broad-
 way, Burlingame.
 Concrete—Gus Adolphson, San Mateo.
 Sub-bids are being taken on all other
 portions of the work.

Completing Plans.
RESIDENCE Cost, \$35,000
PASADENA, Los Angeles Co., Cal.
 Eastern Section.
 One-story and basement frame and
 stucco residence (eleven rooms),
 (35x105 feet).
 Owner—Mr. and Mrs. A. B. Charles,
 Pasadena.
 Architect—Douglas McLelland, 806 Ar-
 chitects' Bldg., Los Angeles.

Plans Completed.
RESIDENCE Cost, \$4000
BERKELEY, Alameda Co., Cal.
 One-story frame and stucco residence
 (5 rooms).
 Owner and Builder—Paul Ligon, Ber-
 keley.
 Architect—L. F. Hyde, 372 Hanover
 St., Oakland.
 Construction to start shortly by
 day's work.

Working Drawings Being Prepared.
RESIDENCE Cost, \$14,000
MOUNT EDEN, Alameda Co., Cal.
 Alter one-story frame and stucco
 residence (Spanish style).
 Owner—R. W. Dennis, Mount Eden.
 Architect—Wolfe & Higgins, 19 N-
 Second St., San Jose.
 Bids will be taken in about three
 weeks.

Sub-Contracts Awarded.
RESIDENCE Cost, \$19,000
SAN MATEO, San Mateo Co., Cal.
 Baywood Park.
 Two-story frame and stucco residence
 Owner—N. W. Schneider, 176 East-
 wood St., San Francisco.
 Architect—Enri E. Cavasso, 235 Third
 Ave., San Mateo.
 Contractor—The Minton Co., Mountain
 View.

Plumbing—H. R. Park, Burlingame.
 Electric—Cardinal Elec. Co., Palo
 Alto.
 Painting, roofing and tile contracts
 to be let shortly.

Contract Awarded.
RESIDENCE Cost, \$11,000
SAN MATEO, San Mateo Co., Cal.
 Baywood Park.
 Two-story frame and stucco residence
 Owner—Mr. and Mrs. J. D. Batchelder
 San Mateo.
 Architect—Enri E. Cavasso, 235 Third
 Ave., San Mateo.
 Contractor—Sierra Construction Co.,
 235 Third Ave., San Mateo.

Plans Being Figured.
RESIDENCE Cost, \$100,000
PASADENA, Cal. San Rafael Ave.
 Two-story and basement reinforced
 concrete and steel residence
 (Italian type).
 Owner—Arthur C. Thorsen.
 Architect—Garrett Van Pelt Jr., 51 S.
 Euclid Ave., Pasadena.

VALLEJO, Solano Co., Cal.—Until
 April 14, 11 A. M., bids will be received
 by Alf. E. Edgumbe, city clerk, to
 erect caretaker's dwelling in Wild
 Horse Valley. Certified check 10%
 payable to city required with bid.
 Plans obtainable from City Engineer
 T. D. Kilkenny.

Plans Completed.

RESIDENCE Cost, \$7000
SAN MATEO, San Mateo Co., Cal.
Peninsula Manor.
One-story frame and stucco residence
Owner—Peninsula Manor, Bayshore
Blvd. and Peninsula Ave., San
Mateo.

Plans by Enri E. Cavasso, 235 Third
Ave., San Mateo.

Plans Being Completed.

RESIDENCE Cost, \$—
PIEDMONT, Alameda Co., Cal.
Estates Drive.

Two-story frame and stucco residence
(French style).

Owner—A. C. Jones, % Architect.
Architect—Williams & Wastell, 373
17th St., Oakland.

Plans will be ready for bids in two
weeks.

Contract Awarded.

RECTORY Cost, \$7500
GUSTINE, Merced Co., Calif.
1½-story Italian type rectory (tile roof)
Owner—Church of the Holy Ghost.
Architect—Swartz and Ryland, Brix
Bldg., Fresno.

Contractor—J. C. Bettencourt, Oak-
land.

Plans Being Completed.

RESIDENCE Cost, \$15,000
LA JOLLA, San Diego Co., Cal.

One-story and basement frame and
stucco residence (6 rooms and 2
baths).

Owner—Mr. and Mrs. Joseph M.
Masten.

Architect—Martin A. Sheldon with J.
Kendall Masten, associated, Mon-
adnock Bldg., San Francisco.

Bids will be taken in one week.

Plans Being Prepared.

RESIDENCE Cost, \$20,600
SAN MATEO, San Mateo Co., Cal.
Hillsborough Park.

Two-story and basement frame and
stucco residence.

Owner—Dr. A. Houston.

Plans by Grimes & Schoening, Bal-
ovich Bldg., San Mateo.

To Be Done By Day's Work.

RESIDENCE Cost, \$10,000
PIEDMONT, Alameda Co., Cal. No. 2

Alta Ave.

Two-story frame and stucco residence
(8 rooms and garage).

Owner—Flora R. Hughson, 102 Pacific
Ave., Piedmont.

Architect—Albert Farr, 68 Post St.,
San Francisco.

Plans Being Figured By Selected List
of Contractors.

RESIDENCE Cost, \$—
LODI, San Joaquin Co., Cal.

One-story brick veneer residence (7
rooms).

Owner—J. H. Meyers.

Plans by T. E. Williamson, 1859 W
Park Ave., Stockton.

Contract To Be Awarded.

RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. San
Luis Road.

Two-story English type frame and
stucco residence (8 rooms).

Owner—Harry Mulvaney.

Architect—Sidney E. Noble & Archie
T. Newsom, Federal Realty Bldg.,
Oakland.

Contractor—Otto Mailenen, 1430 Alls-
ton Way, Berkeley.

Sub-Bids Being Taken.

ALTERATIONS Cost, \$11,000
SAN FRANCISCO, No. 22 Twenty-
second Avenue.

Alterations and additions to residence
Owner—Mr. and Mrs. W. Meyer, Fed-
eral Reserve Bank Bldg., San
Francisco.

Architect—Ashley & Evers, 525 Mar-

ket St., San Francisco.

Contractor—H. H. Larsen, 64 South
Park, San Francisco.

Construction to start Monday.

Completing Plans.

RESIDENCE Cost, \$20,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and
stucco residence.

Owner—Michael Casserly.

Architect—Willis Polk Co., 277 Pine
St., San Francisco.

Bids will be taken in one week from
a selected list of contractors

Contract Awarded.

RESIDENCE Cost, \$10,500
SAN FRANCISCO, 24th Ave. and Ca-
brillo St.

One-story and basement frame and
stucco residence (6 rooms).

Owner—J. Marsili, 772 15th Ave.
Plans by D. E. Jaekle, Call Bldg.

Contractor—V. Chaix, 448 42nd Ave.

Contract Awarded.

RESIDENCE Cost, \$35,000
SAN FRANCISCO, SW Baker and Bay
Streets.

Two-story and basement frame and
stucco residence.

Owner—N. Gulsti, 195 Moulton St.

Architect—P. Canali, 2315 Franklin St.

Contractor—V. Pera, 2706 Greenwich
Street.

Contract Awarded.

ALTERATIONS Cost, \$15,000
SAN FRANCISCO, NE Clay & Spruce
Streets.

Alterations and additions to present
residence (slate roof).

Owner—Dr. E. E. Brownell, care ar-
chitect.

Architect—W. C. Perry, 260 Califor-
nia Street.

Contractor—Moore and Madsen, 557
Market St.

Contract Awarded.

RESIDENCE Cost, \$10,000
ALAMEDA, Alameda Co., Cal. No.
2930 Fenside Blvd.

One-story and basement frame and
stucco residence (8 rooms).

Owner—Addison Corp., 1441 Franklin
St., Oakland.

Architect—S. G. Jackson, 354 Hobart
St., Oakland.

Contractor—Fred Hambleton, 1005
Chatham Rd., Oakland.

Sub-Bids Being Taken.

RESIDENCES Cost each, \$8500
SAN FRANCISCO, Crescent Ave. 400
off Mission St.

Two 1-story and basement frame and
stucco residences (5 rooms each).

Owner and Builder—A. R. Johnson,
3901 Mission St.

Plans by D. E. Jaekle, Call Bldg.

Sub-bids are being taken on all
portions of the work.

Plans Being Prepared.

RESIDENCE Cost, \$12,000
STOCKTON, San Joaquin Co., Cal.
Oxford Manor.

Two-story frame and stucco residence
(8 rooms, 2 baths; English type).

Owner—State Realty Co., Bank of
Italy Bldg., Stockton.

Architect—Jos. Losekann, 1218 W.
Harding St., Stockton.

Contractor—William Peenstra, 2261
Kensington Way, Stockton.

Will have Royal shingle roof, hot air
heating system, etc. Construction will
start in about two weeks.

SCHOOLS

Preparing Working Drawings.

SCHOOL Cost, \$100,000
SANTA MONICA, Los Angeles Co.,
Cal. California Ave. and Seventh
Street.

Two-story and basement concrete and
brick parochial school (capacity
700).

Owner—Roman Catholic Bishop, Los
Angeles.

Architect—Albert C. Martin, Higgins
Bldg., Los Angeles.

CHICO, Butte Co., Cal.—Until May
6, 5 P. M. bids will be received by
Chas. H. Camper, City Superinten-
dent of Schools, Municipal Bldg., 5th
and Main Sts. to furnish and deliver
school supplies, namely General
school supplies, art supplies, janitors'
supplies; materials for manual train-
ing shops, physical education depart-
ments and for laboratories. Specifi-
cations and further information ob-
tainable from above.

Plans Being Figured — Bids Close
April 16, 11:30 A. M.

SCHOOL Cost, \$200,000
SEATTLE, Wash. Stone Way.

Two-story and basement mill con-
struction school, 275x166 ft.

Owner—Seattle School District No. 1
(Daniel Bagley Grade School).

Architect—F. A. Naramore, City
School Architect, 810 Dexter Ave.,
Seattle.

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Plans Being Figured—Bids Close Apr. 28, 8 P. M.

GYMNASIUM Cost, \$225,000
PALO ALTO, Santa Clara Co., Calif.
Stanford University Campus.
Steel frame and reinforced concrete
gymnasium building (300x250 ft.)
Owner—Stanford University.
Architect—John Bakewell and Arthur
Brown, Jr., 251 Kearny St., San
Francisco.

General Work
Geo. Wagner, 181 South Park, San
Francisco.
Chas. Stockholm, Russ Bldg., San
Francisco.
Grant L. Miner, 505 Emerson St.,
Palo Alto.

Clintonville Const. Co., Crocker Bldg.,
San Francisco.
Clinton Stephenson Const. Co., Mo-
nadnock Bldg., San Francisco.
K. E. Parker, 135 South Park, San
Francisco.

Lindgren & Swinerton, Inc., 225
Bush St., San Francisco.

Wells P. Goodenough, 310 Univer-
sity Ave., Palo Alto.

James L. McLaughlin Co., 251 Kear-
ny St., San Francisco.
Barrett & Hilp, 918 Harrison St.,
San Francisco.

Plumbing and Heating
Scott So., 243 Minna St., San Fran-
cisco.

Turner Co., 329 Tehama St., San
Francisco.

James Nelson, 10th and Howard Sts.
San Francisco.

Jas. H. Pinkerton, 927 Howard St.,
San Francisco.

O'Mara & Stewart, 218 Clara St.,
San Francisco.

Wm. D. Cashel, 739 Clementina St.,
San Francisco.

Electrical Work
Turner Co., 329 Tehama St., San
Francisco.

NePage-McKenney Co., 128 10th St.,
Oakland.

Victor Lemoge.
H. S. Tittle.

SAN FRANCISCO—Until April 28,
3 P. M., bids will be received by
Leonard S. Leavy, city purchasing
agent, 270 City Hall, to furnish and
install motion picture projection
equipment in the Polytechnic High
School. Specifications and further
information obtainable from above.

RENO, Nevada—Carlisle Co. at \$2.42
per chair, awarded contract by Reno
City Junior High School District to
furnish and install 1200 chairs, 700 of
which will be used in the new R. D.
Billinghurst Junior High School.

Reno Mercantile Co. at \$1900 awarded
contract for hardware in connec-
tion with the Billinghurst School.

Preparing Working Drawings.

SCHOOL & HALL Cost, \$5500
PLEASANTON, Alameda Co., Cal.

School and social hall (all word con-
struction).

Owner—First Presbyterian Church.
Architect—Rollin S. Tuttle, Box C,
Los Gatos.

Plans will be ready for bids in two
weeks.

Bids Wanted—To Be Opened April 14
SCHOOL BLDGS Cost, \$323,000

LONG BEACH, Los Angeles Co., Cal.

Market and Lewis Sts.

Group of brick Junior High School
Buildings.

Owner—Long Beach Board of Educa-
tion.

Architect—Wright & Gentry, Jergins
Trust Bldg., Long Beach.

Group will comprise administration
building containing auditorium to seat
600 people, offices, restrooms, class-
rooms and special departments;
cafeteria building, shop building and
two shower and locker room buildings.

Contracts Awarded.

HALL Cost, \$170,000
CHICO, Butte Co., Calif. State Teach-
ers' College.

Two-story Italian type brick and con-
crete assembly hall (to seat 1500).
Owner—State of California.

Architect—Geo. B. McDougall, State
Architect, Public Works Building,
Sacramento.

General Work
Campbell Const. Co., 800 R Street,
Sacramento, \$133,610.

Electrical Work
Alta Electric Co., 938 Howard St.,
San Francisco, \$13,994.

Plumbing
F. W. Snook Co., 596 Clay St., San
Francisco, \$18,523.

Will be two-story steel and concrete
frame with balcony, brick and concrete
walls, concrete floors and tile and
composition roofs. The floor area is
approximately 30,500 square feet, with
a seating capacity of approximately
1500.

BERKELEY, Alameda Co., Calif.—
Buena Peralta Improvement Club pe-
titions Board of Education to provide
enlarged cafeteria to seat 450 pupils
at the Jefferson School in addition to
a gymnasium, music and manual
training quarters. Request taken un-
der advisement.

Commissioned To Prepare Plans.

SCHOOL PLANT Cost, \$100,000
LOS ANGELES, Cal. Robertson Blvd.

near Cattaraugus Street.

New high school plant.

Owner—Los Angeles Board of Edu-
cation.

Architect—John C. Austin & Frederic
M. Ashley, Chamber of Com-
merce Bldg., Los Angeles.

Bids Wanted—To Be Opened April 21
ADDITION Cost, \$179,000

LONG BEACH, Los Angeles Co., Cal.

Wilson High School.

Two-story brick gymnasium and
classroom addition to school (16
rooms).

Owner—Long Beach Board of Edu-
cation.

Architect—W. Horace Austin, Pacific
Southwest Bk. Bldg., Long Beach

BERKELEY, Alameda Co., Cal.—
Following informal bids received by
Regents of the University of California
for window shades for Giannini Hall,
located on the Campus of the Uni-
versity of California:

A. J. Ruhlman Co., 444 Golden Gate
Ave., San Francisco, \$1099.15; (2)
\$1171.10; (3) \$1176.90; (4) \$1193.08.

W. J. Sloane & Co., San Francisco,
\$1797.

D. N. & E. Walter Co., San Francisco,
\$2233.

Bids held under advisement.

BERKELEY, Alameda Co., Cal.—
Following informal bids received by
Regents of the University of Califor-
nia, for furnishing window shades in
the infirmary building, located on the
Campus of the University of Califor-
nia.

A. J. Ruhlman Co., 444 Golden Gate
Ave., S. F., \$513, (2) \$569.70, (3)
\$567.20, (4) \$589.90.

W. J. Sloane & Co., S. F., \$607.

D. N. & E. Walter Co., S. F., \$999.50.

Bids held under advisement.

BERKELEY, Alameda Co., Cal.—
Following informal bids received by
University of California for furnishing
and installing floor covering for
Giannini Hall located on the Campus
of the University of California:

Van Fleet-Freear Co., 557 Howard
St., (1) \$11,240; (2) \$—; (3) \$—

W. J. Sloane & Co., S. F., \$607.

D. N. & E. Walter Co., S. F., \$12,-
134.30.

Bids Opened—Under Advisement.
ALTERATIONS Cost, \$—

QUINCY, Plumas Co., Calif.

Alterations and additions to one-story
frame and stucco school.

Owner—Portola High School District.

Architect—Starks & Flanders, Forum
Bldg., Sacramento.

Work involves extensive remodeling
of present school and construction of
addition. New facilities will be pro-
vided for cooking and commercial de-
partments, physics and chemistry,
lunch room and study hall also will
be built and new balcony will be ad-
ded to gymnasium. Boiler plant will
be changed and new central heating
plant installed to care for enlarged
building.

Chas. F. Unger, 4532 T Street,
Sacramento

Azevedo & Sacramento, Sacto., 39,421

J. M. Evans and Son, Chico, 40,869

C. F. Bender, Sacramento, 41,996

M. A. Jenkins, Sacramento, 42,568

J. C. Dillard, Reno, Nev., 47,765

Bids Opened—Under Advisement.
ADDITION Cost, \$—

SACRAMENTO, Sacramento Co., Cal.

53rd and J Sts.

One-story brick addition to school.

Owner—Sacramento Board of Educa-
tion.

Architect—Dean and Dean, California
State Life Bldg., Sacramento.

W. C. Keating, Forum Bldg.,
Sacramento

Azevedo & Sacramento, Sacto., 22,490

W. L. Chatterton, Sacramento, 22,650

Mathews Const. Co. Sacramento, 22,690

H. W. Robertson, Sacramento, 22,983

Campbell Const. Co. Sacramento, 23,160

Chas. F. Unger, Sacramento, 23,542

C. J. Hopkinson, Sacramento, 24,483

F. H. Betz, Sacramento, 24,598

G. W. Kopp, Sacramento, 25,155

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Lessor of Suspended and Swinging Safety "Gold Medal" Scaffolding.

Bids Opened.
GYMNASIUM Cost, \$60,000
CENTERVILLE, Alameda Co., Cal.
 One-story reinforced concrete gymnasium.
 Owner—Washington Union High School District.

Architect—Birge M. Clark, 310 University Ave., Palo Alto.
 Low Bidder—George Petersen, 1841 Bancroft Ave., San Leandro.

Following is a complete list of bids:
 George Petersen, San Leandro \$48,296
 George Maurer, Oakland..... 51,407
 Fred J. Westlund, Oakland..... 51,450
 The Minton Co., Mt. View..... 51,660
 John E. Branagh, Oakland..... 52,400
 Young & Horstmeier, S. F..... 52,423
 George Swannstrom, Oakland..... 52,526
 Gaubert Bros., Oakland..... 53,200
 Chas. D. Vezey & Son, Oakland 53,385
 Villadsen Bros., S. F..... 53,900
 J. A. Bryant, S. F..... 54,340
 Henry Post, Palo Alto..... 54,995
 L. M. Bruce & Son., Pleasanton 55,200
 Clinton-Stevenson Constr. Co., San Francisco..... 55,362
 N. H. Sjoberg, S. F..... 55,923
 S. Rasori, San Francisco..... 56,675
 J. W. Cobby & Son, S. F..... 56,765
 Jas. L. McLaughlin, S. F..... 57,198
 E. T. Leiter & Son, Oakland..... 59,867
 J. J. Groceman, Alameda..... 59,855
 Frederick Anderson, Oakland..... 60,978
 Grant L. Miner, Palo Alto..... 64,576
 Bids held under advisement until April 9th.

BERKELEY, Alameda Co., Cal.—Until April 21, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2225 N. Via St., to furnish and deliver science and laboratory supplies for the school year 1930-31. Specifications and further information obtainable from above.

Planned.
SCHOOL Cost, \$150,000
SANTA BARBARA, Cal. Santa Barbara State College.
 Training school.
 Owner—State of California.
 Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.
 \$120,000 has also been appropriated for science building.

Plans Being Figured.
DORMITORIES Cost, \$800,000
PASADENA, Los Angeles Co., Cal.
 Four unit group of reinforced concrete Class A dormitories (2 and 3 stories in height).
 Owner—California Institute of Technology.
 Architect—Gordon B. Kaufmann, Union Bank Bldg., Los Angeles.

Low Bidder.
SCHOOL BLDGS. Cost, \$137,390
PRESCOTT, Arizona.
 Two high school buildings.
 Owner—Prescott School District.
 Architect—Chris. Totten, Bank of Arizona Bldg., Prescott.
 Low Bidder—Pierso & Johnson, Phoenix, Arizona.

Plumbing and Heating—Elliott Eng. Co., El Paso, Texas, at \$26,637.

Contract Awarded.
SCHOOL Cost, price, \$32,091
SANTA CRUZ, Santa Cruz Co., Calif.
 Lavaeas Park.
 Two-story frame and stucco Mission type school (6 classrooms, offices, etc., 58x160-ft.).
 Owner—Society of Mary.
 Plans by L. D. Esty, Alta Bldg., Santa Cruz.
 Contractor—David Machuad, Watsonville.

STOCKTON, San Joaquin Co., Cal.—Until April 29, 7:30 P. M., bids will be received by Angel S. Williams, secretary, Board of Education, to furnish and deliver general school supplies. Lists of materials desired obtainable from secretary at Washington School Building.

Sub-Contracts Awarded.
SCHOOL Cost, price, \$30,400
KELSEVILLE, Lake Co., Calif.
 One-story reinforced concrete high school (125 pupils) with combination gymnasium and auditorium.
 Owner—Kelseyville Union High School District.

Architect—William Herbert, Rosenberg Bldg., Santa Rosa.
 Contractor—Petalluma Const. Co., Petaluma.
Cement and Lumber—A. F. Stevens Lumber Co., Lakeport.
Reinforcing Steel—Concrete Engineering Co., 1280 Indiana St., S. F.

Plans Being Completed.
SCHOOL Cost, \$250,000
SAN JOSE, Santa Clara Co., Calif.
 Two-story reinforced concrete junior high school.
 Owner—San Jose Board of Education.
 Architect—W. H. Weeks, Hunter-Dulin Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 Plans will be ready for bids in about 30 days.

Contract Awarded.
GYMNASIUM Cost, price, \$48,296
CENTERVILLE, Alameda Co., Cal.
 One-story reinforced concrete gymnasium.
 Owner—Washington Union High School District.
 Architect—Birge M. Clark, 310 University Ave., Palo Alto.
 Contractor—Geo. Petersen, 1841 Bancroft Ave., San Leandro.

Plans Being Completed.
ADDITION Cost, \$150,000
SAN JOSE, Santa Clara Co., Cal.
 Roosevelt High School.
 One-story reinforced concrete high school addition.
 Owner—San Jose Board of Education
 Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 Plans will be ready for bids in two weeks.

Contract Awarded.
ALTERATIONS Cost, price, \$38,541
QUINCY, Plumas Co., Calif.
 Alterations and additions to one-story frame and stucco school.
 Owner—Portola High School District.
 Architect—Starks & Flanders, Forum Bldg., Sacramento.
 Contractor—Chas. F. Unger, 4532 T St., Sacramento.

Work involves extensive remodeling of present school and construction of addition. New facilities will be provided for cooking and commercial departments, physics and chemistry, lunch room and study hall also will be built and new balcony will be added to gymnasium. Boiler plant will be changed and new central heating plant installed to care for enlarged building.

Contract Awarded.
SCHOOL Cost, \$100,000
OAKLAND, Alameda Co., Cal. NE
 Fruitvale Ave. and Pleasant St.
 Three-story brick parochial school.
 Owner—St. Jarlath Parish.
 Architect—Geo. McCrear, Hearst Bldg., San Francisco.
 Contractor—Mealey & Collins, 666 Mission St., San Francisco.

TAFT, Kern Co., Cal.—Taft Furniture & Hardware Co. and Pioneer Mercantile Co. awarded contract by Taft union high school district for furnishing a portion of machinery and equipment to be installed in school shop.

SAN JOSE, Santa Clara Co., Cal.—Bids will be asked shortly by the Board of Education to install steam heating system in Hester School. Walter L. Bachrodt is secretary of the Board of Education.

Plans Being Figured—Bids Close May 7, 2:30 P. M.

SCHOOL Cost, \$—
SAN FRANCISCO, Onondago, Cayuga
 Osego and Seneca Aves.
 Third unit of Balboa (South Side) high school, comprising auditorium of steel frame and reinforced concrete and 4-story reinforced concrete Academic building with tile roof.

Owner—City and County of San Francisco.
 Architect—Bakewell and Weihe, 251 Kearny St.

Segregated bids are wanted for:
 General construction.....\$565,000
 Mechanical equipment..... 21,000
 Plumbing..... 24,800
 Electric work..... 28,000

Deposits required for plans on the various units of the work are:

	Deposit	Bond
General	\$50	\$141,250
Mech. Equip.	25	5,250
Plumbing	25	6,200
Electric work	25	7,000

Work to be commenced five calendar days after award of contract and completed in 300 days. Plans are obtainable from the Bureau of Architecture, 2nd floor, City Hall.

SAN JOSE, Santa Clara Co., Calif.—Following bids received by Walter L. Bachrodt, secretary, Board of Education, to furnish and deliver not less than one carload of chainlink fencing material: (1) per lineal foot, (2) corner post, (3) end post.
 Anchor Post Fence Co., 460 Fifth St., San Francisco, (1) 59½¢, (2) \$3.90, (3) \$3.50.

San Jose Hardware Co., San Jose, (1) 59½¢, (2) \$3.90, (3) \$3.50.
 Michel & Pfeffer Iron Works, San Francisco, (1) 60¢, (2) \$4.33, (3) \$3.27.
 Hellwig Iron Works, San Jose, (1) 66¢, (2) \$5.55, (3) \$4.35.
 Standard Fence Co., San Francisco, (1) 66¢, (2) \$5.55, (3) \$4.35.

Wickwire Spencer Co., San Francisco, (1) \$6.53, (2) \$4.86, (3) \$3.82.
 Pittsburgh Chain Link Fence Co., (1) \$7.23, (2) \$4.50, (3) \$3.50.
 Stewart Iron Works, (1) 74¢, (2) \$4.20, (3) \$3.20.
 Giant Mfg. Co., (1) 83¢, (2) \$5.38, (3) \$4.62.
 California Wire Co., (1) 85¢, (2) \$4.60, (3) \$4.40.

Bids held under advisement.

SANTA MARIA, Santa Barbara Co., Cal.—Until April 22, 1:30 P. M., bids will be received by F. J. McCoy, clerk, Santa Maria Union High School Dist., to furnish and deliver school supplies and equipment. Specifications obtainable from A. A. Bowhay, Jr., principal at high school.

BANKS, STORES & OFFICES

Bids Opened—Held Under Advisement
ALTERATIONS Cost Approx. \$75,000
SAN FRANCISCO. Eighteenth and Shotwell Sts.

Alterations and additions for distributing office building (reinforced concrete).

Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco.
 Architect—Eng. Dept. of Owner.

Plans Being Prepared.
BANK Cost, \$30,000
FRESNO, Fresno Co., Cal. Location
 Not Selected.
 One-story and basement reinforced
 concrete bank.
 Owner—Pacific States Savings &
 Loan Assn., 745 Market St., S. F.
 Architect—Albert F. Roller, Crocker
 First National Bank Bldg., San
 Francisco.

Contract Awarded.
ADDITION Cost, \$10,000
OAKLAND, Alameda Co., Cal. 3476
 Piedmont Ave.
 Two-story concrete addition to build-
 ing.
 Owner—Albert Brown Undertaking
 Co., 3476 Piedmont Ave., Oakland.
 Architect—W. F. Webber, Portland.
 Contractor—Campbell Const. Co., Sac-
 ramento.

Plans Complete.
INSTITUTE Cost, \$250,000
HOLLYWOOD, Los Angeles Co., Cal.
 Hollywood Hills.
 Beauty Institute (first unit).
 Owner—Hollywood Institute of Beauty,
 Ltd., 302 Delta Bldg., Hollywood.
 Other buildings will be erected at a
 later date.

Plans Being Completed.
STORE Cost, \$150,000
SAN RAFAEL, Marin Co., Cal. 4th
 and B Streets.
 Four-story and basement Class B
 store and office building.
 Owner—J. Albert, San Rafael
 Architect—S. Heiman, 605 Market St.,
 San Francisco.
 Bids will be taken in about three
 weeks.

Contract Awarded.
BUILDING Cost, \$15,000
FRESNO, Fresno Co., Cal. San Be-
 nito St. and Broadway.
 One-story brick building.
 Owner—New England Sheet Metal
 Works.
 Architect—W. D. Coates, Jr., Rowell
 Bldg., Fresno.
 Contractor—W. T. Harrison, Fresno.

Project Abandoned.
PUBLISHING PLANT
 Cost, \$1,250,000 with equipment
SAN FRANCISCO, Russ and Howard
 Streets.
 Three-story brick and reinforced con-
 crete newspaper publishing plant.
 Owner—San Francisco Daily News, 340
 9th St.
 Architect—Howell and Thomas, 3863
 Carnegie Ave., Cleveland, Ohio.
 Structural Engineers—Shank & Fisher,
 6007 Euclid Ave., Cleveland.

The proposal to erect this new plant
 was abandoned by the Scripps-How-
 ard interests, publishers of the San
 Francisco News, yesterday with the
 purchase of the old Bulletin Building
 in Mission St. near Fourth. Only min-
 or alterations will be made on the
 Mission street structure to suit the
 facilities of the new owners.

Sub-Bids Being Taken.
STORE & LOFTS Cost, \$75,000
SACRAMENTO, Sacramento Co., Cal.
 SW 7th and K Sts.
 Two-story and basement brick store
 and loft building (60x160-ft.).
 Owner—Louis R. Lurie, 315 Montgom-
 ery St., San Francisco.
 Architect—O'Brien Bros. and W. D.
 Peugh, 315 Montgomery St., San
 Francisco.
 Contractor—Industrial Const. Co., 815
 Bryant St., San Francisco.

Lessee—J. C. Penny Co. (1st floor).
Lessee—Foreman & Clark (2nd floor).
 Sub-bids will be taken on all
 portions of the work.

Plans Being Figured.
BANK Cost, \$100,000
SAN FRANCISCO, Market St. near
 Third St.
 One-story and mezzanine floor steel
 frame and concrete bank.
 Owner—Alexander Boyd Est., Spreck-
 lea Bldg.
 Architect—Hyman & Appleton, 68 Post
 Street.
 Lessee—Morris Plan Co. of San Fran-
 cisco, 354 Market St.

Contract Awarded.
STORE, ETC. Cost, \$—
OAKLAND, Alameda Co., Cal. Broad-
 way near Nineteenth Street.
 One and two-story steel frame and
 concrete store and lofts.
 Owner—H. B. Lyons.
 Architect—Hugh White, Syndicate
 Bldg., Oakland.
 Contractor—Fred Muller, Syndicate
 Bldg., Oakland.

Contract Awarded.
STORES Cost, \$11,125
OAKLAND, Alameda Co., Cal. N
 Foothill Blvd. 150 E 73rd Ave.
 Fireproof store building (5 stores).
 Owner—G. W. Price, 7324 Foothill
 Bldg., Oakland.
 Architect—None.
 Contractor—F. W. Durgan, % Owner.

Contract Awarded.
ALTERATIONS Cost, \$7000
SAN FRANCISCO, N. 150 Califor-
 nia Street.
 Alterations to office building (add
 boiler room, etc.)
 Owner—S. E. Billings Estate, 312 Cali-
 fornia St., San Francisco.
 Architect—W. H. Ratcliff Jr., Mer-
 cantile Trust Bldg., Berkeley.
 Contractor—W. Sorensen, 2940 Pied-
 mont Ave., Oakland.

Owner Taking Bids.
CLEANING PLANT Cost, \$7000
SOUTH SAN FRANCISCO, San Mateo
 Co., Cal.
 One-story reinforced concrete clean-
 ing plant and store.
 Owner—David Ratto, 319 Grand Ave.,
 South San Francisco.
 Architect—Albert F. Roller, Crocker
 First National Bank Bldg., San
 Francisco.

Plans Completed.
OFFICES Cost, \$—
LOS ANGELES, Cal. No. 1276 W.
 Second Street.
 Two-story brick offices (80x90 ft.).
 Owner and Builder—Berg Heating &
 Ventilating Co., 1976 Laura St.,
 Huntington Park.
 Architect—Eugene M. Durfee, Central
 Tower Bldg., Santa Monica.
 Work will be done by day's labor
 by owner.

Preliminary Plans Being Prepared.
DENTAL BLDG. Cost, \$175,000
OAKLAND, Alameda Co., Cal. 34th
 St. and Broadway.
 Three-story reinforced steel frame
 and brick Medico-Dental Building.
 Owner—Withheld.
 Architect—Fred H. Reimers, Frank-
 lin Bldg., Oakland.

Sub-Contracts Awarded.
STORES Cost, \$—
SAN MATEO, San Mateo Co., Cal.
 Two one-story reinforced concrete (5)
 stores.
 Owner—Martin Stelling, 155 Montgom-
 ery St., San Francisco.
 Architect—Bertz, Winter & Maury, 210
 Post St., San Francisco.
 Contractor—Young and Horstmeier,
 Sheldon Bldg., San Francisco.
 Lumber—Burlingame Lumber Com-
 pany, Burlingame.
 Reinforcing Steel—Gunn, Carle & Co.,
 444 Market St., San Francisco.

Structural Steel—Judson - Pacific Co.,
 609 Mission St., San Francisco.
Glass—Crowe Glass Co., 675 Golden
 Gate Ave., San Francisco.

Plans Being Figured.
STORE Cost, \$150,000
LOS ANGELES, Cal. Wilshire Blvd.
 near Virgil Avenue.
 Two-story Class B concrete and steel
 store and loft (150x90 ft.)
 Owner—Kellogg Holding Co.
 Architect—A. G. Bailey, 410 Hillstreet
 Bldg., Los Angeles.

Sub-Contracts Awarded.
STORE Cost, \$100,000
OAKLAND, Alameda Co., Calif. West
 Broadway bet. 17th and 19th Sts.
 Four-story class A reinforced concrete
 store building.
 Owner—"Money Back" Smith, 12th &
 Washington Sts., Oakland.
 Architect—Eng. Dept. of Lessee.
 Lessee—F. W. Woolworth Co., Finan-
 cial Center Bldg., San Francisco.
 Contractor—MacDonald & Kahn, Finan-
 cial Center Bldg., San Fran-
 cisco.

Excavating—Aris-Knapp Co., 961 41st
 St., Oakland.
Structural Steel—Judson - Pacific Co.,
 609 Mission St., San Francisco.
Terrazzo Work—Pacific Terrazzo Mar-
ble Co., 2144 Lombard St., San
 Francisco.
 Sub-bids are being taken on other
 portions of the work.

Plans Being Figured.
FITTING UP OFFICES Cost, \$—
SAN JOSE, Santa Clara Co., Cal. 12
 N First St.
 Fitting up brokers' offices.
 Owner—Gorman Kayser & Co., 121
 Sutter St., San Francisco.
 Architect—Kent & Hass, 525 Market
 St., San Francisco.

Plans Being Prepared.
BANK Cost, \$—
SOQUEL, Santa Cruz Co., Cal.
 One-story reinf. concrete bank.
 Owner—Citizens Commercial Savings
 Bank, Soquel.
 Architect—Edwards and Schary, 605
 Market St., San Francisco.
 Directors of the bank are: Mr. Mor-
 gan, Lowell Vetterle and E. C. Blan-
 chard of Capitola; Joseph Young of
 Soquel, Ralph D. Matthews of Aptos,
 and H. A. Wright of Santa Cruz.
 Plans will be ready for bids in one
 week.

Plans Being Completed.
STORE Cost, \$3,000
OAKLAND, Alameda Co., Calif. 4490
 Piedmont Ave.
 One-story frame and stucco store.
 Owner—Selfert's Floral Co., 4490 Pied-
 mont Ave., Oakland.
 Architect—Miller and Warnecke, Fi-
 nancial Center Bldg., Oakland.
 Bids will be taken for a general con-
 tract in about one week.

Plans Being Completed.
OFFICE Cost, \$45,000
SAN MATEO, San Mateo Co., Calif.
 San Mateo Drive off Third Ave.
 Two and one-half story class C con-
 crete and wood office and studio
 building (bungalow on roof, etc.)
 Owner and Builder—Sierra Const. Co.,
 235 3rd Ave., San Mateo.
 Architect—Enri Cavasso, 235 3rd Ave.,
 San Mateo.

Contract Awarded.
STORES Cost, \$—
WILLOWS, Glenn Co., Cal. Sycamore
 and Colusa Sts.
 One-story reinforced concrete stores,
 40 by 100 ft.
 Owner—W. B. Hardin.
 Private Plans.
 Contractor—Adolf Jansen, Willows.

SEATTLE, Wash.—Architect Russell Collins, 315 Spring-Arcade Bldg., Los Angeles, completing working drawings for fitting up interior of store building to be occupied by Hanan & Son at corner of Pine St. and Westlake Ave., Seattle, Wash., for the United-Pine-Center Corp. of Seattle. Hanan & Son store will be 20x110 ft. and is estimated to cost \$25,000. Plans call for interior work, store fronts, rubber tile floors, marble and wrought iron work, cabinet work, etc.

April 7, 1930

Preparing Plans.
OFFICES Cost, \$1,000,000
HOLLYWOOD, Los Angeles Co., Cal.
Vine and N Yucca Sts.
Limit height offices (steel frame construction; 8x164-ft.)
Owner—Hollywood Medical—Dental Bldg. Co.
Architect—John C. Austin and F. M. Ashley, Chamber of Commerce Bldg., Los Angeles.
Contractor—Boyce—Seely Const. Co., Edwards & Wilsey Bldg., Los Angeles.

Planned.
STORES Cost, \$—
BURLINGAME, San Mateo Co., Cal.
Laguna Ave. and Burlingame.
Two-story Spanish type stores (seven stores).
Owner—Name Withheld.
Architect—Name Withheld.
Agent—W. S. Nielsen, c-o Gordon Hess, 1406 Burlingame Ave., Burlingame.

As soon as financing arrangements are complete project will go ahead.

Preparing Plans.
ADDITION Cost, \$500,000
LOS ANGELES, Cal. NE Vine St. and Hollywood Blvd.
Limit height Class A addition to building (90x93 ft.)
Owner—Bank of Hollywood Bldg.
Architect—Alec Curlett, Union Bank Bldg., Los Angeles.

Contract Awarded.
STORE Cost, \$12,000
SAN MATEO, San Mateo Co., Cal.
Lot 10 Third Avenue.
One-story reinforced concrete store.
Owner—Martin Stelling Jr. and Edgar L. Gould, 155 Montgomery St., San Francisco.
Architect—Earl Bertz, 210 Post St., San Francisco.
Contractor—Young & Horstmeier, 461 Market St., San Francisco.

Contract Awarded.
STORE Cost, \$10,700
TRACY, San Joaquin Co., Cal. West side Central Ave.
One-story brick class C store.
Owner—Urban Properties Co., 155 Montgomery St., San Francisco.
Architect—Bertz, Winter & Maury, 213 Post St., San Francisco.
Contractor—Eckert & Stegmiller, Bldrs. Exchange, Stockton.

Plans Complete.
CAFE & GRILL Cost, \$50,000
SAN MATEO CO., Calif. Location to be selected.
One-story frame cafe and grill.
Owner and Builder—Bell Bros., Mills Bldg., San Francisco.
Architect—E. H. Denke, 1217 Hyde St., San Francisco.

Plans Being Figured.
STORE Cost, \$150,000
LOS ANGELES, Cal. Wilshire Blvd. near Virgil Avenue.
Two-story Class E brick store and lofts (150x130 ft.)
Owner—Kellogg Holding Co.
Architect—A. Godfrey Bailey, 410 Hiu-street Bldg., Los Angeles.

Plans Being Prepared.
STORES Cost, \$200,000
SEATTLE, Wash. Third Ave. bet. Union and Pike Sts.
Four-story and basement fireproof stores, offices and lofts, 60x111-ft.
Owner—Northwest Land Company.
Architect—Hancock and Lockman, Walker Bldg., Seattle.
Plans will provide foundations and walls to carry four additional stories.

Contract Awarded.
STORES Cost, \$55,000
SACRAMENTO, Sacramento Co., Cal. SE 3rd and I Sts.
Two-story brick stores (5 stores; Chinese restaurant, etc.)
Owner—Dong Haw, 1321 7th St., Sacramento.
Plans by Harry De Haven, 932 33rd St., Sacramento.
Contractor—T. E. Hunter, 1514 30th St., Sacramento.

Sub-Bids Being Taken.
STORE & LOFTS Cost, \$60,000
SACRAMENTO, Sacramento Co., Cal. K St. W 7th St.
Two-story and basement brick store and loft building.
Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.
Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.
Contractor—Industrial Const. Co., 815 Bryant St., San Francisco.
Lessee—Clark Dollar Store.
Sub-bids are being taken on all portions of the work.

THEATRES

Completing Working Drawings.
THEATRE Cost, \$250,000
SAN PEDRO, Los Angeles Co., Calif. 433 W 6th St.
Structural steel and reinforced concrete class A theater and storcs (9 stores; theatre to seat 2,000).
Owner—Warner Bros. Pacific States Theatres, Los Angeles.
Architect—B. M. Priteca, 913 Warner Bros. Downtown Theatre Bldg., Los Angeles.

Concrete Contract Awarded.
THEATRE Cost, \$48,500
PLACERVILLE, El Dorado Co., Cal. Two-story reinforced concrete theatre, stores and offices.
Owner—R. W. Brown, Placerville.
Plans by Owner.
Contractor—Charles Mabrey Co., Inc., 1001 45th Street, Sacramento, and Oakland.
Concrete—J. P. Morton, Placerville.

Planned.
THEATRE Cost, \$—
AUBURN, Placer Co., Calif. Lincoln Way.
Fireproof theatre.
Owner—T. & D. Enterprises, Inc., 933 Market St., San Francisco.
Architect—Not Selected.
More definite information will be available within one week.

Commissioned To Prepare Plans.
THEATRE Cost \$350,000
SAN PEDRO, Los Angeles Co., Calif. SE 3rd St. and Pacific Ave.
Two-story class A reinf. conc. theatre (to seat 2,000; 125x250-ft.)
Owner—Robert Miller.
Architect—A. Godfrey Bailey, Hill-street Bldg., Los Angeles.
Lessee—Fox West Coast Theatres, Inc. Washington and Vermont Aves., Los Angeles.

SAN FRANCISCO—Until April 16, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to install electrical equipment for stage at the Municipal

Auditorium. Estimated cost \$55,000. Bid of \$8750 required of the successful bidder. Plans obtainable from Bureau of Architecture. Chas. H. Sawyer, acting chief, 2nd floor, City Hall.

Heating Plans Being Revised.
THEATRE Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal. One-story and mezzanine floor concrete modern theatre (to seat approx. 1000).
Owner—Redwood Theatres, Inc. Geo. M. Mann and Chas. K. Koerner.
Architect—N. R. Coulter, 46 Kearny St., San Francisco.
Bids will be called for in one week.

Planned.
THEATRE Cost, \$—
GLENDALE, Los Angeles Co., Calif. Mountain and Verdugo (three-acre site).
Open air theatre to seat 2,000.
Owner—T. Earl Pardoe, 1102 La Zanja, Glendale.
Architect—Not Selected.

SAN FRANCISCO—Until April 23, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and install motion picture projection equipment in the Polytechnic High School. Specifications and further information obtainable from above.

Plans Being Completed.
THEATRE Cost, \$165,000
PASO ROBLES, San Luis Obispo Co., Calif.
One- and two-story reinforced concrete class A building (theatre to seat 1200; stores, offices and apartments).
Owner & Builder—Paso Robles Realty Co. (Jos. Greenback), Hearst Bldg. San Francisco.
Architect—Albert H. Larsen, 447 Sutter St., San Francisco.
Sub-bids will be taken in one week.

Preliminary Plans Being Prepared.
THEATRE Cost, \$275,000
POMONA, Los Angeles Co., Cal. SW Third and Gary Sts.
Two-story Class A reinforced concrete theatre (105x190 ft.)
Owner—Fox West Coast Theatres, Inc., Washington and Vermont Aves., Los Angeles.
Architect & Engineer—Balch & Stansberry, Film Exchange Bldg., Los Angeles.

WHARVES AND DOCKS

LONG BEACH, Cal.—May 13 has been tentatively set as the date for the proposed \$200,000 bond election for the construction of a navy landing alongside the Rainbow Pier.

Plans and Specifications Approved.
PIER Cost, \$600,000
SAN FRANCISCO. Foot of Green St. Steel frame and concrete pier (to be known as Pier No. 15).
Owner—State Board of Harbor Commissioners.
Engineer—Frank White, Ferry Bldg.
Bids will be advertised in about two weeks.

MISCELLANEOUS CONSTRUCTION

Contract Awarded.
REPAIRS Cont. price, \$26,486
SAN FRANCISCO. Marina District. Repairs to Palace of Fine Arts.
Owner—City and County of San Francisco (Park Commission, E. P. Lamb, secretary).
Engineer—Henry D. Dewell, 55 New Montgomery St.
Contractor—Monson Bros., 375 6th St.

NAPA, Napa Co., Cal.—E. C. Ferree, Oakland aviator, has leased a tract of land on the Beringer Bros. ranch and has started clearing the site preparatory to erect hangars and shops in connection with an airport. A school of instruction will be maintained at the new field.

ARCATA, Humboldt Co., Cal.—City Council is considering the construction of an incinerator for the disposal of garbage. City Engineer W. B. Rigby has been instructed to prepare estimates of cost for such a plant to be located on the tidelands.

Preparing Plans.
MAUSOLEUM Cost, \$—
POMONA, Los Angeles Co., Cal. Pomona Cemetery.
Reinforced concrete mausoleum.
Owner—Pomona Cemetery Assn., O. E. Sellen, secretary, 502 E Franklin St., Pomona.
Architect—Chas. W. Hughes, 1307 S Orange Grove Ave., Los Angeles.

BERKELEY, Alameda Co., Cal.—E. T. Lesure, 87 Ross Circle, Berkeley, at \$53,135 awarded contract by Regents of the University of California, Berkeley, for Central Heating Plant, Bldg. and Utility Tunnel Connection.

Plans Being Completed.
SWIMMING POOL Approx \$20,000
SAN LEANDRO, Alameda Co., Cal. Reinforced concrete swimming pool. Owner—City of San Leandro.
Engineer—W. A. Richmond, City Engineer, San Leandro.

Plans will be ready for bids in ten days.

LOS ANGELES, Cal.—Until 2 P. M., April 21, bids will be received by the County Supervisors for a reinforced concrete incinerator, 6 ft. 10 in. by 12 ft. 4 in. to be built at Big Pines. The stack will be 60 ft. in height of 10-ga. steel.

MONTEREY, Monterey Co., Cal.—Until April 15, bids will be received by Clyde A. Dorsey, city clerk, to install traffic signals at intersection of Franklin and Alvarado Sts.; estimated cost \$1,750. Plans on file in office of clerk.

SAN FRANCISCO.—J. J. Carmody, 753 Cayuga St., at \$110 awarded contract by City Playground Commission, 376 City Hall, to furnish and install plumbing and heating at Rochambeau Playground in area bounded by 24th and 25th Aves., California and Lake Streets.

HANFORD, Kings Co., Cal.—Hudson and Vickers, Hanford, at \$2,039 awarded contract by city council to erect bandstand in Lacey Park. Complete list of bids follows, all bidders being of Hanford:
Hudson & Vickers.....\$2,039
Brown & Hougham.....2,298
E. G. Washburn.....2,467

HANFORD, Kings Co., Cal.—Brown and Hougham, Hanford, at \$1,074, awarded contract by city council to erect comfort station and pump-house at Airport grounds. Complete list of bids follows, all bidders being of Hanford:
Brown & Hougham.....\$1,074
Hudson & Vickers.....1,098
E. G. Washburn.....1,285
W. B. Holland.....1,295

SANTA MONICA, Cal.—Consolidated Steel Co., 1200 N. Main St., Los Angeles, has the contract for erecting a gas storage tank on Litsey St. for the Southern Counties Gas Co. The tank will cost \$210,000.

TENNIS COURTS Cost, \$—
SAN JOSE, Santa Clara Co., Cal. State Teachers' College.
Four tennis courts.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Low Bidder—Malott & Peterson, 3221 20th St., San Francisco.
Following is a complete list of bids:
Malott & Peterson, S. F.....\$5250
R. O. Summers, San Jose.....5444
J. D. Carlsen, San Jose.....5866
Megna & Newell, San Jose.....5990
George Honore, San Jose.....6054
C. N. Swensen, San Jose.....6124
Bids held under advisement.

SAN FRANCISCO—Until April 16, 12 noon, bids will be received by B. P. Lamb, Secretary, Park Commission, Park Lodge, Golden Gate Park, to resurface eight tennis courts in Golden Gate Park with not less than 1-inch standard bitumen. Certified check 10% payable to Board of Park Commissioners required with bid Bond of 50% of contract price required of the successful bidder.

Contract Awarded.
DEPOT Cost, \$200,000
STOCKTON, San Joaquin Co., Cal. One-story brick passenger depot.
Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.
Architect—Eng. Dept. of Owner.
Contractor—Lewis & Green, Bank of Italy Bldg., Stockton.

SAN FRANCISCO, Calif.—Healy-Tibbitts Construction Co., 64 Pine St., at \$16,640, awarded contract by State Harbor Commission to construct ship loading platform for cold storage terminal. Frank White, engineer, Ferry Bldg., San Francisco.

Following is a complete list of the bids:
Healy-Tibbitts Construction Co.....\$16,640
Spivock & Spivock.....17,160
Clinton-Stephenson Con. Co., San Francisco.....17,363
E. T. Lesure, Berkeley.....17,972
M. H. Sjoberg & Son, San Francisco.....17,972
MacDonald & Kahn, San Francisco.....18,000
M. B. McGowan, San Francisco.....18,278
Clinton Construction Co., San Francisco.....18,400
C. C. W. & H. H. Haun, San Francisco.....18,513
W. W. Williamson Co., San Francisco.....18,900
J. B. Peterson, San Francisco.....19,800
Schuler & McDonald, Oakland.....24,449

Contract Awarded.
TENNIS COURTS Cost, price, \$5,250
SAN JOSE, Santa Clara Co., Cal. State Teachers' College.
Four tennis courts.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Contractor—Malott & Peterson, 3221 20th St., San Francisco.

SAN FRANCISCO.—Board of Public Works has been authorized to proceed with the preparation of plans and specifications for a garbage incinerator which will be privately constructed and operated. The cost of construction is estimated at \$1,000,000.

BAKERSFIELD, Kern Co., Calif.—Dean and Stroble, Bakersfield, at \$2,765 awarded contract by city council to construct three tennis courts in Jastro Park. Weitzel & Larsen, Bakersfield, only other bidders, at \$2,954.

Plans Being Figured—Bids Close May 6, 2 P. M.
STATION Cost, \$—
FORT YUMA, Calif.
One-story masonry border station to contain waiting room, rest rooms and covered platform; wood and steel roof construction and tile roof).

Owner—State of California.
Architect—State Department of Public Works, Division of Architecture, Geo. B. McDougall, state architect, Public Works Bldg., Sacramento.

Certified check 10% payable to "State Engineer, Department of Public Works" required with bid. Plans obtainable from State Dept. of Public Works on deposit of \$25, returnable, and on file at room 1025 Associated Realty Bldg., Los Angeles.

See call for bids under official proposal section in this issue.

PLUMBING INSPECTORS CITE AIMS OF ASSOCIATION

A letter was recently sent out by the Plumbing Inspectors Association of California, addressed to the City Council of every California city, advising them of the existence of the organization, explaining the object and necessity for it, and asking the city fathers to encourage and assist their inspectors of plumbing to become members. Among the objects of the association as outlined are the following:

To advance the latest methods of sanitary plumbing.

To establish fundamental facts, and with these facts as a basis, make rules to govern pipe sizes and all phases of plumbing installations.

To create an educational division for the furnishing of all necessary data on the sanitary installation of plumbing, to all cities throughout the state.

To maintain a testing laboratory for the testing of material and appliances.

To promote harmony and co-operation between owner, builder, craftsman and officials.

To accomplish a uniformity in the application of the laws and ordinances.

To promulgate the mutual benefit of the members.

ASPHALT INSTITUTE ELECTS

The newly organized Asphalt Institute, which succeeded The Asphalt Association on January 1, last, has elected the following officers for the fiscal year 1930: Leroy M. Law, St. Louis, Mo., president; W. H. Kershaw, New York, N. Y., vice-president; C. W. Baylies, Philadelphia, Pa., vice-president; B. L. Boye, New York, N. Y., secretary, and Fisher Jones, New York, N. Y., treasurer. J. S. Helm of New York is chairman of the Executive Committee and J. E. Penningbacker, also of New York, is managing director.

On or about April 15, the Institute will move to the new Crystal Building, 250 E 43rd St., and 801 2nd Ave., New York, where it has leased for five years, the entire 18th floor. Larger general offices, and a new and larger laboratory will be installed in these quarters with F. C. Field, assistant chemical engineer, in charge. The entire research division will be under the supervision and direction of the Institute's chemical engineer, Prevost Hubbard, formerly chief of research for the United States Bureau of Roads.

Engineering News Section

BRIDGES

BERKELEY, Alameda Co., Cal.—Until April 15, 10 A. M., bids will be received by Emma M. Hann, City Clerk, to construct a conduit in Codornices Creek at the Airport Runway. Certified check 10% payable to city required with bid. Plans obtainable from city engineer on deposit of \$10, returnable.

MONTREY COUNTY, Cal.—Until 2 P. M., April 30, bids will be received by State Highway Commission, Sacramento, for constructing a timber bridge across Alder Creek, about 29 miles north of San Simeon, consisting of sixteen 19-ft. spans on frame bents with concrete pedestals, involving:

- (1) 600 cu. yds. structure excavation;
- (2) 140 cu. yds. class B Portland cement concrete;
- (3) 127 M. ft. board measure redwood timber, dense select all-heart structural grade;
- (4) 45 M. ft. board measure redwood timber, select all-heart structural grade;
- (5) 68 tons broken stone bitum. macadam surface;
- (6) 6 tons asphalt road oil;
- (7) 1 lot, misc. items of work.

CHICO, Butte Co., Cal.—Until May 6, bids will be received by city council to widen Broadway bridge over Little Chico Creek involving removal of old r. v. trestle west of the bridge and widening by 19 ft. 5 ft. of which will be for sidewalk. Concrete construction. Estimated cost \$1800. Plans obtainable from Martin C. Polk, city engineer.

ROSEVILLE, Placer Co., Cal.—J. M. Adams, Roseville, at \$70 awarded contract by city council to construct steel bridge over Dry Creek in city limits. Andre Lezenich, Roseville, only other bidder at \$199.80.

STOCKTON, San Joaquin Co., Calif.—City Manager Walter B. Hogan is completing estimates of cost for a subway at Charter Way for presentation to the city council. It is expected the state will aid in financing the project with the city of Stockton providing funds for its share of the cost from the gas tax. Preliminary estimates place the cost at \$200,000, of which the Western Pacific and Southern Pacific railroads would pay one half the total cost.

MARTINEZ, Contra Costa Co., Cal.—C. H. Gildersleeve, Napa, at \$2532.75 awarded contract by county supervisors to construct reinforced concrete culvert under Buchanan Road, 2 miles south of Pittsburg. Complete list of bids follow

C. H. Gildersleeve	\$2532
V. A. Kaurenberg	2738
J. H. Fitzmaurice	2509
Geo. French, Jr.	2824
Delta Dredging Co.	3062
Walter Todd	3157
R. F. Page	3188
V. Divillo	3666

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee Jr., will confer with Santa Clara and San

Mateo County Supervisors seeking financial aid to finance widening of Middlefield road bridge connecting San Mateo and Santa Clara Counties at Palo Alto.

BERKELEY, Alameda Co., Calif.—City Engineer Harry Goodridge preparing plans for culvert under Contra Costa Ave.; estimated cost \$3000.

SAN FRANCISCO—Dyer Bros., 17th and Kansas Sts., awarded contract by Southern Pacific Railroad to furnish approximately 150 tons of structural steel required in the construction of a viaduct over Steiner Creek in the valley section of the Coast Division.

DREDGING, HARBOR WORKS & EXCAVATIONS

HEALDSBURG, Sonoma Co., Cal.—City Council proposes to rent steam shovel to widen slough flowing through Healdsburg and out at the southwest corner of the city. Archer B. Stuart is city engineer.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Calif.—Turlock Irrigation District rejects bids for improvements in Imp. Dist. No. 36 and new bids will be asked, to be opened about April 27.

NYSSA, Ore.—Following awards of contract have been made by U. S. Bureau of Reclamation in connection with the concrete-lined tunnels, roads and distributing system of the Owyhee project in Oregon and Idaho:

T. E. Connolly, 461 Market St., San Francisco, on a bid of \$982,566 contract for the upper half of tunnel No. 1.

J. F. Shea Co., Hewry Bldg., Portland, the lower half of tunnel No. 1 on a bid of \$1,025,208, and for upper half of tunnel No. 5 on a bid of \$606,970.

S. S. McGoffin Co., North Vancouver B. C., for other half of tunnel No. 5 on a bid of \$530,684.

The work consists of the construction of a 14-ft. by 0-in. diameter tunnel, 18,722 ft. long, and a 9 ft. by 4 in. diameter tunnel, 33,307 ft. long; or a 16 ft. by 7 in. diameter tunnel 18,722 ft. long, and a 9 ft. by 3 in. diameter tunnel 21,320 ft. long, and appurtenant roads and structures. The principal items and the maximum quantities involved are as follows: 280,000 cu. yds. of all classes of tunnel excavation; 114,000 cu. yds. of all classes of excavation other than tunnel excavation; 23,000 sta. cu. yds. of overhaul; 74,000 cu. yds. conc. in tunnel lining; 1600 cu. ft. of pressure grouting; laying 600 lin. ft. of 12-in. and 18-in. corr. metal pipe; constructing 53,000 lin. ft. of tunnel and outlet closed drains; furnishing and erecting 330 M. ft. b. m. timbering in tunnels; furnishing and erecting 209,000 lbs. struct. steel in tunnels.

STREET LIGHTING SYSTEMS

TURLOCK, Stanislaus Co., Cal.—Until April 28, 2 P. M., bids will be received by Anna Sorensen, Secretary, Turlock Irrigation District, for construction in Improvement District No. 56, as follows:

Schedule No. 1

Section No. 1. Approximately 60,658 square feet of 2-inch thick concrete canal lining.

Section No. 2. Approximately 67,924 square feet of 8-inch thick concrete canal lining.

Section No. 3. Approximately 41,694 square feet of 2-inch thick concrete canal lining including the raising and repairing of approximately 356 lin. ft. of old lining and flume.

Schedule No. 2

Approximately 9 concrete structures a total of 16.33 cubic yards of concrete.

Certified check 5% payable to district required with bid. Plans on file in office of secretary and obtainable from R. V. Melkie, chief engineer of the district.

CHICO, Butte Co., Cal.—City council is conferring with Pacific Gas & Electric Co. regarding installation of electrolier system in the Esplanade. The cost is estimated at \$13,728. Martin Polk is city engineer.

GUSTINE, Merced Co., Calif.—City Engineer A. E. Cowell completes specifications for electrolier system in the business section. The cost is estimated at \$5,000.

BAKERSFIELD, Kern Co., Calif.—Until April 21, 8 P. M., bids will be received by V. Van Ripper, city clerk, to install 72 electrolier standards with underground system in 17th Street, K St. and Union, and L St. bet. 17th and 19th Sts. Union metal standards. Design No. 1891, 1911 Act. The cost is estimated at \$15,598. Project involves 72 standards; 7,922.58 ft. 1-in. conduit; 574 ft. 1½-in. conduit; 8,452.58 ft. cable; 2 test coils. Plans on file in office of city clerk and obtainable from J. Holfelder, city engineer.

MACHINERY AND EQUIPMENT

FETALUMA, Sonoma Co., Cal.—Following bids taken under advisement by Board of Education to furnish and deliver chassis for school busses:

Sanderson Motor Co., for two busses on Ford bodies, complete, net after allowance on two busses to be turned in, \$4416.30.

Sparks Motor Service, for Studebaker chassis, after allowance of \$250 each for the old busses, \$6372.

Moreland, 35-passenger, after allowance of \$410 each for old busses, per unit, \$2306.

Moreland, 42-passenger, after allowance of \$490 each for old busses, per unit, \$2531.

Mack, after allowance of \$75 and \$160 for old busses, per unit, \$2691.

Reo, after allowance of \$400 for two old busses, net price for two chassis, \$4395.50.

White, after allowance of \$200 each on old busses, net for one small chassis, \$2630.

For larger chassis, net \$4130. International, after allowance of \$439 each for old busses, net price for two chassis, \$4622.

G. M. C., after allowance of \$200 for old busses, two chassis, \$4280.

Lowden Motor Coach Co., for 42-passenger body, \$1375.
 California Motor Coach Co., for 42-passenger body, \$1375.
 Albright Co. for 42-passenger body, \$1750.
 Eagle Body Mfg. Co., 35 passenger body, \$1340; 42-passenger body, \$1375.

LONG BEACH, Cal.—Until 2:30 P. M., April 15, bids will be received by the city manager for furnishing and delivering 1, o.b. 14th St. and Ori-zaba Ave., one loader so constructed as to be readily attachable to any operated by a Best "Thirty" tractor. Special specifications No. C-476. G. L. Buck, city manager.

SAN FRANCISCO.—Until April 15, 2 P. M., bids will be received by U. S. Forest Service, Ferry Bldg., to furnish and deliver one 12-ft. blade grader and three 8-ft. blade graders. Specifications obtainable from above office.

SAN FRANCISCO.—Until April 14, 2 P. M., bids will be received by U. S. Forest Service, Ferry Bldg., to furnish and deliver one $\frac{3}{4}$ -ton heavy duty and nine light duty trucks.

SAN FRANCISCO.—Until April 16, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to furnish and deliver automobile busses, under Contract No. 164, Municipal Railway System. Estimated cost \$24,000. Certified check 10% payable to the clerk of the Board of Supervisors required with bid. Specifications obtainable from the Bureau of Engineering, 3rd Floor, City Hall.

HAWTHORNE, Nevada.—Until April 22, 10 A. M., bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish locomotive crane to the Naval Ammunition Depot at Hawthorne, Nevada. Specifications obtainable from above office and on file in Navy Purchasing Office, 100 Harrison St., San Francisco.

RAILROADS

MARE ISLAND, Cal.—Bids will be asked shortly by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6104, to erect six reinforced concrete shell houses and a railroad extension at the Mare Island Navy Yard Ammunition Depot. Plans obtainable from above office on deposit of \$10, returnable.

SAN FRANCISCO.—City Bureau of Engineering has completed surveys to extend L Street line of the Municipal Railway to the Fleishacker Pool. Provides for turning the line at Forty-seventh Ave. and Taraval St. and extending it southward to Sloat Blvd. where it will make a loop around the block. M. M. O'Shaughnessy, city engineer.

FIRE ALARM SYSTEMS

MONTEREY, Monterey Co., Cal.—Until April 15, bids will be received by Clyde A. Doresey, city clerk, to install traffic signals at intersection of Franklin and Alvarado Sts., estimated cost \$1,750. Plans on file in office of clerk.

VALLEJO, Solano Co., Cal.—Bids will be asked at once by Al E. Edgumbe, city clerk, to furnish and deliver one motor fire engine; estimated cost \$14,000. Will consist of a 750-gal. quadruple service truck with booster

tank equipment and hose body. Specifications and further information obtainable from clerk.

MISCELLANEOUS SUPPLIES AND MATERIALS

CHICO, Butte Co., Cal.—Until April 15, 8:15 P. M., bids will be received by H. H. Hume, city clerk, to furnish and deliver 100,000 gallons of road oil. Certified check 10% required with bid. Specifications obtainable from Martin Polk, City engineer.

FRESNO Fresno Co., Cal.—Fresno Builders' Supply Co., Fresno, at 64c ft. for pipe, \$52 each for manholes, awarded contract by city council (102-D) to construct 6-in. vit. clay pipe sewer in alley in Roeding Addition, including three cement concrete manholes with c. i. covers; 4-in. on 6-in. wyes.

TULARE, Tulare Co., Calif.—Until April 17, 4:30 P. M., bids will be received by R. M. Berryhill, city manager, for drilling, lining, perforating and testing well for municipal water supply. Specifications obtainable from secretary of the Board of Public Utilities on deposit of \$5, returnable.

SANTA ROSA, Sonoma Co., Cal.—Until April 15, 5 P. M., bids will be received by Ney L. Donovan, city clerk, to furnish and deliver gasoline and oil for period of one year, gasoline to be delivered in bulk to points designated by city engineer. Further information obtainable from city clerk.

RESERVOIRS AND DAMS

SACRAMENTO, Calif.—Until April 14, 11 A. M., under Circular Proposal No. 30-334, Specifications No. 1809, bids will be received by U. S. Engineer Office, California Fruit Bldg., for the construction of inspection tunnels at site of proposed Kennett dam, also for necessary timbering of same near the town of Kennett. Each tunnel will be 400 ft. long, one to three in number. Further information obtainable from above.

To Be Done By Day's Work By Owners.

RESERVOIR Cost, \$10,000
 OAKLAND, Alameda Co., Cal. Foot of Fruitvale Ave.
 Concrete reservoir.
 Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.
 Plans by Eng. Dept. of Owner.

PIPE LINES, WELLS, ETC.

PAJO ALTO, Santa Clara Co., Cal.—Until April 26, 10 A. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to furnish and install complete gas mains to boiler house and gas burners in boilers at the U. S. Veterans' Hospital at Palo Alto. Bond of 50% of the contract price will be required of the successful bidder. Partial payments will be made monthly covering approximately 90% of the completed work. Plans obtainable from Supervising Superintendent of Construction at the hospital.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN FRANCISCO.—Until April 23, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to construct Section B of the Fillmore St. Sewer, involving in the main 3,000 ft. 6-ft. 9-in. circular reinf. conc. sewer in Tenth and Fell Sts. from Harrison St. to Van Ness

Ave.; estimated cost \$103,000. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall, on deposit of \$10, returnable.

SEBASTOPOL, Sonoma Co., Cal.—A. Fred Anderson, 1093 Longridge Road, Oakland, at (a) \$21,540.47 for vitrified pipe and (b) \$21,260.97 for cement pipe, submitted low bid to city trustees to construct sewage disposal plant. Complete list of bids, all taken under advisement until April 11, follows:

A. F. Anderson (a) \$21,540; (b) \$21,260
 Diamond Construction Co., \$21,350
 Harry Thorsen, Napa (a) \$21,745; (b) \$21,725.
 MacDonald & Maggoria, Sausalito (a) \$22,760; (b) \$22,220.
 A. T. Howe, Santa Rosa (a) \$22,863; (b) \$22,516
 Oakland Construction Co., \$22,930
 P. L. Burr, San Francisco, \$23,985

SANGER, Fresno Co., Cal.—Bids will be asked shortly by city trustees to construct 3335 ft. of sewers in various sections of the city; estimated cost \$1500.

PACIFIC GROVE, Monterey Co., Cal.—City Council cancels proceedings under Resolution of Intention No. (3149) to install ornamental street lighting system in Central Ave., bet. First St. and Fountain Ave. and Fountain Ave., bet. Ocean View Ave. and Lighthouse Ave., involving 46 single light Union Metal Manufacturing Co.'s electroliters No. 807 together with underground system. Bids for this work were to have been opened April 14. The bids received were returned unopened.

SAN FRANCISCO.—Until April 23, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to construct Geary street and 23rd avenue sewer from 27th Ave. and Geary St. to 23rd Ave. and Lake St.; estimated cost \$61,000. Project involves in the main 4,000 ft. 4x6-ft. to 2x3-ft. reinf. conc. sewers. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN MATEO, San Mateo Co., Calif.—City council has started proceedings to construct Beresford Park sewers; estimated cost \$60,000. It is expected that a call for bids will be issued about April 21.

FRESNO Fresno Co., Cal.—Oakland Sewer Const. Co., 354 Hobart Street, Oakland, at \$10,741.57 submitted low bid to county supervisors to construct sewer connecting Fresno County General Hospital with city sewer system, involving: 826 ft. 12-in. and 394 ft. 6-in. sewer pipe and 15 manholes. All bids, as follows, taken under advisement:

Oakland Sewer Const. Co., Oakland \$10,741
 Fresno Builders' Supply Co., Fresno 11,030
 Oakland Const. Co., Oakland 11,323
 DeGolyer & Bruce, Oakland 13,349

BERKLEY, Alameda Co., Cal.—City Engineer Harry Goodridge preparing plans for sewer in Durant Ave., estimated cost \$6000 and a unit of storm sewer in Keith Ave. from Spruce St. to Cragmont Ave., estimated cost \$10,000.

MISCELLANEOUS CONSTRUCTION

LOS ANGELES, Cal.—H. W. Rohl & Co., 806 Roosevelt Bldg., Los Angeles, at \$652,738.50 (using waterproof cement) awarded contract by Board

of Public Works to construct three tunnels and appurtenant work in connection with the Figueroa street extension will be tie lined, approximately 46.5 ft. in width by 28 ft. high of semi-circular shape, of a aggregate length of 996 ft.

WATER WORKS

SOUTH GATE, Los Angeles Co., Cal.—Until 8 P. M., April 15, bids will be received by the city council for the following:

(1) Furnishing and installing a deep well turbine pump, electric motor, etc., in 12-in. well, located at southwest corner of Ardmore Ave. and Otis St. Certain existing equipment must be purchased by bidder.

(2) Furnishing and installing a deep well turbine pump, electric motor, etc., in 12-in. well on west side of Kaufman Ave., south of Southern Ave. Certain existing equipment must be purchased by bidder.

Edward M. Lynch, 1101 Central Bldg., Los Angeles, is the engineer.

SOUTH GATE, Cal.—Chicago Bridge & Iron Works, Rialto Bldg., San Francisco, awarded contract by the city council at \$12,850 to furnish and erect a steel tower and tank having a capacity of 150,000 gallons.

TURLOCK, Stanislaus Co., Calif.—American Cast Iron Pipe Co., Balboa Bldg., San Francisco, at \$1,000.60, awarded contract by city council to furnish and deliver 500 ft. 6-in. c. i. pipe at \$307 and 800-ft. 8-in. c. i. pipe at \$693.60; delivery in 50 days.

EUREKA, Humboldt Co., Calif.—Fairbanks-Morse Co., Spear and Harrison Sts., San Francisco, at \$969 awarded contract by city council to furnish one deep well turbine pump with nominal capacity of 350 G. P. M. against a total head of 85 ft. Pump shall consist of a pumping element with a motor to be operated on a 440-volt, 3-phase, 60-cycle A. C. and at a speed not to exceed 1800 revolutions per minute; a pumping unit consisting of one or more impellers of the enclosed type, each operating in a separate case or bowl; a combination discharge column consisting of an outer housing, an inner housing and a drive shaft with suitable bearings, and a galvanized coucnopia strainer. Complete list of bids follows:

Pomona Pump Co.	\$826.00
Peerless Pump Co.	\$934.50
Layne and Bowler	\$934.50
Pelton Company	\$968.55
Fairbanks-Morse Co.	\$969.00
Byron Jackson Co.	\$989.00

SANGER, Fresno Co., Cal.—Bids will be asked shortly by city trustees to construct extensions to water system; estimated cost \$700.

LONG BEACH, Calif.—May 13 has been tentatively set as date for the proposed \$4,450,000 water bond election.

MOUNTAIN VIEW, Santa Clara Co., Cal.—Until April 16, 8 P. M., bids will be received by B. L. Hays, City Clerk, to furnish and install one deep turbine pumping plant. Specifications on file in office of clerk and obtainable on request without charge.

TULARE, Tulare Co., Cal.—Bids will be asked at once by city board of public utilities to construct extensions to water system, drill well and install pump and motor.

SACRAMENTO, Cal.—City Manager James S. Dean will recommend to city commission a bond issue for improve-

ments to municipal water system. Recommendations will include:

1. Calling of a bond election to secure funds to put the filtration plant in shape to handle water demands. Although the city water commission, in its last report, estimated \$688,000 would be required, Dean believes this figure can be cut appreciably.

2. Construction of a new, shallow-type sedimentation basin with a capacity of 70,000 gallons of water daily. This type basin is being extensively used in the east and middle-west with excellent results and its cost is far less than that of the deep-type basin now at the filtration plant.

3. Repairing of present crippled sedimentation basin so that it can be used as a "stand-by" or used on summer days when peak consumption is reached.

4. Addition of extra pumps so that water pressure in city mains can be maintained at sufficient pressure to comply with requirements of the board of fire underwriters.

ALHAMBRA, Los Angeles Co., Cal.—Bids for furnishing cast iron pipe to the City of Alhambra were opened by the City Commission April 1. Bids were taken on:

- (1) 243 ft. 14-in. pipe;
- (2) 1416 ft. 18-in. pipe;
- (3) 2376 ft. 16-in. pipe;
- (4) 1296 ft. 12-in. pipe;
- (5) 1440 ft. 10-in. pipe;
- (6) Fittings, approx. 16½ tons.

Bids which were referred to T. C. Downer, city water supt., were:

American Cast Iron Pipe Co.—(1) \$5.65, (2) \$3.515, (3) \$2.92, (4) \$1.92, (5) \$1.45, (6) \$120 ton. Pipe to be cement lined.

U. S. Pipe & Foundry Co.—Cement lined pipe: (1) \$548.90 per C ft., (2) \$341.20 per C ft., (3) \$323.30 per C ft., (4) \$183.60 per C ft., (5) \$138.50 per ft. Bitumastic lined: (1) \$555.90, (2) \$345.70, (3) \$287.10, (4) \$187, (5) \$141.10.

National Cast Iron Pipe Co.—Cement lined: (1) \$565, (2) \$364, (3) \$303, (4) \$202, (5) \$157, (6) \$108.

Reliable Iron Foundry—Bid on fittings itemized.

PASADENA, Los Angeles Co., Cal.—C. G. Claussen Co., 225 Folsom St., San Francisco, awarded contract by city directors at \$40,742.46 for 7680 ft. 24-in. Class C cast iron water pipe.

U. S. Cast Iron Pipe & Foundry Co. was awarded contract for 20,000 ft. 6-in. Class B pipe at \$12,000, and 10,000 ft. 12-in. Class B pipe at \$15,700.

Reliable Iron Foundry awarded contract for 33 tons of class D fittings at \$2805.

UPLAND, San Bernardino Co., Cal.—American Cast Iron Pipe Co. was awarded contract by the city council April 3, at \$45.6c ft. for 1000 ft. 4-in. cast iron pipe (250-lb. pressure) for the water department. Other bids were: Grinnell Co., 43c (class C, 215 lbs.); National Cast Iron Pipe Co., 46.5c (250-lb. pressure); U. S. Pipe & Foundry, 45.9c ft. (250-lb. pressure).

SANTA CLARA, Santa Clara Co., Cal.—American Cast Iron Pipe Co., Balboa Bldg., San Francisco, at \$1241.40 (immediate delivery) awarded contract by city trustees to furnish and deliver 2000 ft. 6-inch cast iron bell and spigot pipe. A. W. W. A., together with various fittings. Complete bid listing follows:

- National C. I. Pipe Co.
- American C. I. Pipe Co.
- Grinnell Co.
- Pacific States C. I. Pipe Co.
- U. S. Pipe & Foundry Co.

Contract awarded on the basis of "immediate delivery."

TULARE, Tulare Co., Calif.—Until April 17, 4:30 P. M., bids will be received by R. M. Berryhill, city manager to construct 3,700-ft. 6-in. and 8-in. water mains. Specifications obtainable from secretary of the Board of Public Utilities on deposit of \$5, returnable.

OAKLAND, Cal.—General Engineering & Drydock Co., Foot of 5th Ave., Oakland, at \$2215 submitted low bid to City Port Commission, for cast steel casing for 20-inch derrick pump. Complete bid listing, all bidders of Oakland, follows:

General Eng. & Drydock Co. \$2215
Moore Drydock Co. 2397
Pacific Coast Engineering Co. 2900

Taken under advisement.

SAN FRANCISCO—Board of Fire Commissioners seeks \$1,081,907 appropriation in next fiscal year budget to finance extensions to the high pressure water system.

PLAYGROUNDS & PARKS

SANTA ANA, Orange Co., Cal.—The county supervisors have under consideration a \$700,000 bond issue for the county's share in the proposed state park along the coast between Huntington Beach and Newport Beach.

SAN FRANCISCO—Until April 16, 12 noon, bids will be received by B. F. Lamb, Secretary, Park Commission, Park Lodge, Golden Gate Park, to resurface eight tennis courts in Golden Gate Park with not less than 1-inch standard bitumen. Certified check 10% payable to Board of Park Commissioners required with bid. Bond of 50% of contract price required of the successful bidder.

HEALDSBURG, Sonoma Co., Cal.—City Engineer Archer B. Stuart has completed plans for tennis court to be constructed on American Legion property in Center street. Construction of a playground and clubhouse is also contemplated.

REDDING, Shasta Co., Cal.—City Engineer Carl F. Mau preparing estimates of cost for draining, filling and fencing property in west Redding which Mark Firih proposes to offer city for use as a municipal playground.

BAKERSFIELD, Kern Co., Calif.—Dean and Stroble, Bakersfield, at \$2,765 awarded contract by city council to construct three tennis courts in Jastro Park. Weitzel & Larsen, Bakersfield, only other bidders, at \$2,954.

STREETS AND HIGHWAYS

SANTA CRUZ, Santa Cruz Co., Cal.—Until April 23, 3 P. M., bids will be received by H. E. Miller, county clerk to improve Section 1 of the Eureka Canyon Road, East Corralitos Road (approach to bridge), Section IV Green Valley road and Section I of the Carlton road, all in the Pajaro Road District. Certified check 10% required with bid. Plans obtainable from County Surveyor Lloyd Bowman on deposit of \$5, returnable.

TUOLUMNE & MARIPOSA COUNTIES, Cal.—Ed Hillard, Sacramento, submitted low bid to the district engineer, state highway department, Sacramento, at \$11,584.60 for highway work in Tuolumne and Mariposa counties, between Stevens Bar Bridge and Yosemite National Park, 42.9 miles. light fuel oil to be furnished and applied as dust layer.

HOLLISTER, San Benito Co., Cal.—City Engineer A. M. McCray completes specifications to pave 6 streets and 4 alleys with 5-in. concrete on a 4-in. gravel base at a cost of \$81,000. Streets to be improved are: South St. from San Benito St. to the eastern boundary of the city, five blocks. East St. from 3rd to Hawkins, 6 blocks. Hawkins St. from San Benito to Sally, 2 blocks. Third St. from San Benito to East, 1 block. Fifth St. from San Benito to Line, 2 blocks. Line St. from 4th to 5th, 1 block. Hawkins alley from Monterey to East, 2 blocks. Briggs alley from Monterey to East, 2 blocks. Wentz alley from Monterey to East, 2 blocks. Browns alley from Monterey to East, 2 blocks.

SANTA CRUZ, Santa Cruz Co., Cal.—Until April 23, 2:30 P. M., bids will be received by H. E. Miller, county clerk, to construct Section 2 of the Mount Hermon road in San Lorenzo Road District. Certified check 10% required with bid. Plans obtainable from County Surveyor Lloyd Bowman on deposit of \$5, returnable.

OAKLAND, Cal.—Lee J. Immel, 1035 Evelyn Ave., Berkeley, at \$5746 awarded contract by county supervisors to oil 6 miles of Vineyard road. Complete list of bids follows:
Lee J. Immel.....\$5746
Castle & Lee, San Leandro..... 5852
M. J. Bevanda, Stockton..... 6052
C. W. Wood, Stockton..... 6290

OAKLAND, Cal.—Lee J. Immel, 1035 Evelyn Ave., Berkeley, at \$9813.90 awarded contract by county supervisors to oil 6 1/4 miles of Vineyard Rd. Complete list of bids follows:
L. J. Immel, Berkeley.....\$ 9813
Castle & Lee, San Leandro..... 9871
M. J. Bevanda, Stockton..... 10,051
C. W. Wood, Stockton..... 9,748

REDWOOD CITY, San Mateo Co., Cal.—City council starts proceedings to improve Minnie and George streets and Maple St., from Main to Lathrop Sts., including a short stretch of Lathrop street; Chestnut St., bet. Stambaugh and Heller Sts., and Lexington Ave., bet. Iris St. and Oak Ave.

SAN MATEO, San Mateo Co., Cal.—Until April 21, bids will be received by city council to widen North B St. to a uniform width of 70 ft. between Baldwin Ave. and Tilton St. Plans on file in the office of city clerk.

SAN FRANCISCO—E. J. Treacy, Cal. Bldg., at \$4,322 submitted low bid to Board of Public Works to construct artificial stone sidewalks around Alia Plaza.

SAN FRANCISCO—Meyer Rosenberg, 12 Oak Grove Ave., at \$55,859 submitted low bid to Board of Public Works to improve Corbett Ave. bet. Clayton and 24th Sts., involving grading; conc. retaining walls; vit. clay pipe sewers; asph. conc. pave., etc. Next two low bidders were: Fay Imp. Co., Phelan Bldg., \$56,466; California Const. Co., Standard Oil Bldg., \$57,317.

SAN FRANCISCO—Until April 16, 12 noon, bids will be received by B. P. Lamb, Secretary, Park Commission, Park Lodge, Golden Gate Park, to resurface eight tennis courts in Golden Gate Park with not less than 1-inch standard bitumen. Certified check 10% payable to Board of Park Commissioners required with bid. Bond of 50% of contract price required of the successful bidder.

SAN JOSE, Santa Clara Co., Cal.—Until May 5, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Union Avenue in Supervisor District No. 5, and improve Silver Creek road in Supervisor District No. 2. Plans obtainable from County Surveyor Robert Chandler.

REDWOOD CITY, San Mateo Co., Cal.—County Supervisors authorize Geo. A. Kneese to proceed with surveys for trans-county boulevard between the city of San Mateo and Half Moon Bay. The county board has also authorized the extension of the Junipera Serra Blvd. from the city of Burlingame through the foothills to the Woodside Road.

OAKLAND, Cal.—Central California Roads, Inc., at \$2636.57 submitted lone bid to City Port Commission to pave apron wharf. Taken under advisement.

WILLOW GLEN, Santa Clara Co., Cal.—Until April 21, 7:30 P. M., bids will be received by Dana Thomas, city clerk, (48) to improve portions of Willow Glen Way, involving grading; 2-in. Durite asph. conc. surface pavement on 3-in. asph. conc. base; cem. conc. curbs, walks, gutters; corr. galv. iron culverts. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

- SAN DIEGO COUNTY, Cal.**—Until 2 P. M., April 30, bids will be received by State Highway Commission, Sacramento, for highways between San Onofre and San Clemente, about 0.9 mile in length, to be graded and paved with cement concrete, involving:
- (1) 42 sta. clearing and grubbing right of way;
 - (2) 26,000 cu. yds. rdwy. excav. without class;
 - (3) 200,000 station yards overhaul;
 - (4) 200 cu. yds. structure excavation;
 - (5) 10,000 sq. yds. subgrade for concrete pavement;
 - (6) 2075 cu. yds. class A Portland cement concrete (pavement);
 - (7) 75 cu. yds. class A Portland cement concrete (structures);
 - (8) 55,000 lbs. bar reinf. steel (pavement and structures);
 - (9) 70 lin. ft. 24-in. standard reinf. concrete pipe;
 - (10) 980 lin. ft. furnishing untreated Douglas fir piles;
 - (11) 23 each, driving Douglas fir piles;
 - (12) 1083 cu. yds. removing and disposing of existing Portland cement concrete pavement;
 - (13) 1.5 miles moving and resetting property fence;
 - (14) 42 stations finishing roadway.

SAN RAFAEL, Marin Co., Cal.—P. S. Harliss, San Rafael, at \$37,961 awarded contract by city council (488) to improve 2nd St., bet. A St. and Toll road; A St., bet. 3rd and 2nd Sts.; Brooks St., bet. Third and Second Sts., and Toll Rd. from Lincoln Ave. to Irwin St., involving grading; construct 18-inch ironstone pipe, main sewer; 6-in. ironstone house connections; corr. iron and ironstone pipe culverts; reinf. conc. syphon drain; conc. catchbasins and manholes; conc. curbs and gutters; place stone sub-base and surface with 5-in. asph. conc. pavement. Complete bid listing follows:
P. S. Harliss.....\$37,961
A. G. Haisch, San Francisco 38,913
Pacific States Constr. Co., S. F. 40,133

SAN MATEO, San Mateo Co., Cal.—City Council declares intention (30-1) to construct 6, 8, 10, 12, 15, 18 and 21 inch vit. clay pipe sanitary sewers; 4-inch cast iron pumping mains; brick manholes; vit. clay pipe sewer laterals; steel reinforced concrete sumps with sewage pumps, motors, piping, etc., in the Beresford Park District; estimated cost \$60,000. 1911 Act. Bond Act 1915. Hearing April 21. E. W. Foster, city clerk.

COLUSA COUNTY, Cal.—Until 2 P. M., April 30, bids will be received by State Highway Commission, Sacramento, for highway bet. Williams and Maxwell, about 8.3 miles in length, to be graded, involv.:

- 120,000 cu. yds. rdwy. excav. without class;
- 250,000 sta. yds. overhaul;
- 2090 cu. yds. struc. excav.;
- 570 cu. yds. class A Port. Cement concrete (struc.);
- 63,000 lbs. bar reinf. steel (struc.);
- 108 lin. ft. 12-in., 180 lin. ft. 18-in., 220 lin. ft. 24-in., 256 lin. ft. 30-in., 28 lin. ft. 36-in. and 174 lin. ft. 42-in. corr. metal pipe;
- 92 lin. ft. 30-in. corr. metal pipe (jacking in place);
- 232 lin. ft. corr. metal pipe (clean and relay);
- 3.4 miles move and reset property fences;
- 3.65 miles new standard property fence;
- .62 mile new special ppty. fence;
- 439 sta. finish rdwy.;
- 58 monuments comp. in place.

State will fur. corr. metal pipe.

SANTA BARBARA COUNTY, Cal.—Until April 25, 2 P. M., bids will be received by L. H. Gibson, district engineer, State Highway Commission, Bank of Italy Bldg., San Luis Obispo, to furnish and apply as a dust layer, heavy fuel oil between Buckhorn creek and second crossing of the Cuyama River.

CONTRACTORS' MACHINE WORKS

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Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments; Blacksmithing and Welding.

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 ZOE ST., bet. 3rd and 4th, off Brannan St.

Phone KEarny 1885

SAN FRANCISCO

BAKERSFIELD, Kern Co., Calif.—Resolution of intention No. 603 adopted by city council for constructing cement walks and curbs on the following streets:

(a) On 21st St. bet. westerly line of C St. and center line of B St.

(b) On 22nd St. bet. line 132 ft. easterly from and parallel with easterly line of H St. and a line 132 ft. westerly from the westerly line of A Street.

(c) On H St. bet. center line of 21st St. and center line of 23rd St.

(d) On G St. bet. southerly line of 22nd St. and center line of 23rd St.

(e) On F St. bet. center line of 21st St. and center line of 23rd St.

(f) On E St. bet. northerly line of 21st St. and center line of 22nd St.

(g) On D St. bet. center line of 21st St. and center line of 22nd St.

Work under 1911 Act. Protests, Apr. 21.

COLUSA COUNTY, Cal.—Until 2 P. M., April 30, bids will be received by State Highway Commission, Sacramento, for highway bet. Bear Creek and 5 miles west of Williams (III-Col-15-D, E), about 12.7 mi. in length to be graded, involving:

48 acres clear and grub right of way.

240,000 cu. yds. rdwy. excav. without class.

343,000 sta. yds. overhaul.

4300 cu. yds. struc. excav.

1440 cu. yds. class A Port. cement concrete (struc.).

124,000 lbs. bar reinf. steel (struc.).

134 lin. ft. 12-in. 30 lb. I. S. 15-in.

728 lin. ft. 24-in. 48 lb. I. S. 30-in. and

226 lin. ft. 36-in. corr. metal pipe.

50 lin. ft. corr. metal pipe (clean and relay).

2600 cu. yds. light riprap.

2 each, move and reset conc. head-wall.

672 sta. finish rdwy.

150 each, monuments complete in place.

State will furnish corr. metal pipe.

MONTEREY, Monterey Co., Cal.—Clark & Henery Construction Co., Chancery Bldg., San Francisco, at \$25,015 awarded contract by city council (2840) to improve Camino

Bienvenida and Via Mirada, involving 2½ inch asph. conc. pave. on existing

macadam base and Copa Del Oro, involving grading; 2½-in. asph. conc.

base pave. with 1½-in. asph. conc. surface; conc. curbs and gutters, 5

catchbasins with 12-in. pipe connections, Howard Severance, city engineer.

VENTURA, Ventura Co., Cal.—Fleming Construction Co., 235 West Mountain View Ave., Pomona, at \$39,140 awarded contract by county

superintendents to widen and thicken pavement in Los Angeles Ave. be-

tween Simi and Moorpark, involving approx. 4½ miles of grading and concrete paving; corr. iron pipe, etc.

CHICO, Butte Co., Cal.—Until April 15, bids will be received by city council to furnish oil to improve unpaved streets, involving approx. 106,000 gals. Estimated cost \$6,890. Martin Folk is city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Until April 14, 2:45 P. M., bids will be received by S. A. Evans, city

clerk, (457-C) to improve portions of Laurel and Jessie Sts. and East Cliff

Drive, involving cement conc. paving, curbs, walks, driveway approaches;

vit. clay pipe main san. sewer with wyes; brick manholes; vit. clay pipe

sewer laterals; wrought iron water pipe services; cem. conc. meter boxes;

corr. iron pipe drains, etc. 1911 Act. Certified check 10% payable to city

required with bid. Plans on file in office of clerk. Roy Fowler, city engineer.

HUMBOLDT COUNTY, Cal.—Englehart Paving & Construction Co., Eureka, at \$8731.80 submitted low bid

to F. W. Hazelwood, district engineer, State Highway Commission, Eureka,

to grade and surface with untreated crushed gravel or stone,

0.5 mile between Arcata Overhead Crossing and ¼ miles east. Smith

Bros., Eureka, at \$9986 next low. Bids referred to Sacramento offices of commission for action.

SANTA CRUZ COUNTY, Cal.—Following bids received April 7, by John

H. Skeggs, district engineer, State Highway Commission, to furnish and

apply light fuel oil on 20.2 miles of state highway in Santa Cruz County,

to serve as a dust layer:

Jack Casson, Hayward.....\$5,186.50

Basalt Rock Co., Inc., Napa.....\$5,490.10

Granite Construction Co., Watsonville.....\$6,147.90

SACRAMENTO, Cal.—Until April 17 5 P. M. (to be opened 8 P. M.) bids

will be received by H. G. Denton, city clerk (2300) to improve alley bet. C

and D Sts., Alhambra Blvd. and 32nd St., involving c. i. drains; vit. sew-

ers; conc. manhole; 1-in. water main connections; grading; hyd. concrete

pavement. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans on file in

office of clerk. Fred J. Klaus, city engineer.

BERKELEY, Alameda Co., Cal.—Proceedings will be started shortly by

the city council to repave Spruce St., between Los Angeles Ave. and Hearst

Ave.; estimated cost \$200,000. Harry Goodridge, city engineer.

SACRAMENTO, Cal.—Until April 17 5 P. M. (to be opened 8 P. M.) bids will be received by H. G. Denton, city clerk, (2299) to improve alley bet. D and E Sts., 10th and 11th Sts., involving c. i. drains; vit. pipe sewers; 1-inch water main connections; grading; hyd. conc. pavement. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. Fred J. Klaus, city engineer.

MENDOCINO COUNTY, Cal.—Until April 17, 2 P. M., bids will be received

by F. W. Hazelwood, district engineer, State Highway Commission, Wabash

and Albee Sts., Eureka, to furnish and stockpile untreated crushed gravel or

stone surfacing and screenings.

BERKELEY, Alameda Co., Cal.—City council will start proceedings to

improve Rose street between Shattuck Ave. and Spruce St.; est. cost,

\$15,000 and repaving of Eunice St., bet. Spruce St. and Euclid Ave., est.

cost, \$20,000. City Engineer Harry Goodridge preparing plans to pave

The Alameda from Monterey Ave. to Solano Ave.; est. cost, \$25,000. Preliminary estimates have been

prepared to improve Colusa Ave., from Solano Ave. to the north city limits.

This work will cost \$54,000.

VISALIA, Tulare Co., Cal.—County Surveyor T. W. Switzer has announced

that an investigation and report will be made to the supervisors on a

proposed new road between Dinuba and Visalia Airport, about 14 miles.

MENDOCINO COUNTY, Cal.—Following bids received April by John H.

Skeggs, district engineer, State Highway Commission, San Francisco, to

furnish and apply fuel oil on 33 miles of state highway between McDonald

and Flynn Creek, to serve as a dust layer:

Basalt Rock Co., Inc., Napa, \$10,312.68

Dysher & Lafargue, San

Anselmo.....\$11,630.05

Jack Casson, Hayward.....\$15,406.40

Bids referred to Sacramento for award.

MONTEREY, Monterey Co., Calif.—City council starts proceedings to extend

Abrego street from Fremont to Munras avenue; will be 80-ft. wide;

estimated cost between \$25,000 and \$35,000, the city to pay one-tenth of

the cost and the balance by property owners. Howard Severance, city eng.

SANTA ROSA, Sonoma Co., Calif.—Until April 21, 12 noon, (to be opened

1:30 P. M.) bids will be received by Geo. P. Sanborn, county clerk, for

asphaltic macadam surfacing on Valley Ford Highway, one mile, in Fifth

Supervisory District, involving:

400 tons crushed rock;

125 tons screenings;

35 tons heavy oil.

Specifications obtainable from E. A. Peugh, county surveyor.

SANTA ROSA, Sonoma Co., Calif.—Until April 21, 12 noon, bids will be

received by Geo. P. Sanborn, county clerk, for asphaltic oil surfacing on

Bodega Highway to Bay, 3 miles in length, in Fifth Supervisory District,

involving:

450 tons crushed rock;

300 tons screenings;

60 tons heavy oil;

120 bbls. light oil.

Specifications obtainable from E. A. Peugh, county surveyor.

(Continued on Page 32)

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SPECIFY -- USE

Timpie Hydrated Lime

STRONG—PURE—PLASTIC

Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

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BUILDING PERMITS

SAN FRANCISCO COUNTY

107 Liebman	Owner	40000
108 McIntyre	Owner	5000
109 Dondero	Polati	2700
110 Billings	Sorensen	5000
111 Pardini	Owner	2000
112 Peterson	Tellefsen	1900
113 Brownell	Moore	12000
114 Guisti	Pera	33652
115 Lyngaard	Lindgren	4000
116 Pacific	Barrett	75000
117 Carraro	Owner	3000
118 Erikson	Owner	4000
119 Miraglia	Evangelisti	5000
120 Oyen	Owner	8500
121 Watson	Watson	4000
122 Jones	Coburn	4000
126 Lesio	Owner	4500
127 Schwartz	Hinson	1400
128 Fuleti	McDonald	1500
129 McCarthy	Duerner	2000
130 Meyer	Owner	16000

APARTMENTS

(407) N INTERSECTION SCOTT & Corvantes. Three-story and basement frame (18) apartments.
Owner—Ben Liebman, 1555 Francisco St., San Francisco.
Architect—Irvine & Ebbets, 747 Call Bldg., San Francisco. \$40,000

DWELLING

(408) E FIFTEENTH AVE 134 N Taraval. One-story and basement frame dwelling.
Owner—A. McIntyre, 2002 California St., San Francisco.
Architect—E. E. Young, 2002 California St., San Francisco. \$5000

DWELLING

(409) E PIERCE ST. 50 S Chestnut; one-story and basement frame dwelling.
Owner—G. Dondero, 3280 Pierce St. Architect—None.
Contractor—G. Polati, 2229 Union St. \$2700

ALTERATIONS

(410) 150 CALIFORNIA ST.; alterations to office building; build boiler room.
Owner—S. E. Billings Estate, 312 California St.
Architect—W. H. Ratcliff, Mercantile Trust Bldg.
Contractor—W. Sorensen, 2940 Piedmont St. \$5000

GREENHOUSES

(411) 750 YALE ST.; two one-story frame greenhouses.
Owner—L. Pardini, 750 Yale St. Architect—None. each \$1000

REPAIRS

(412) N 15th ST. 105 W Sanchez; repair fire damages.
Owner—P. Petersen, 264 Noe St. Architect—None.
Contractor—O. Tollefsen, 75 Walter Street. \$1900

ALTERATIONS

(413) NE CLAY & SPRUCE STS.; alterations and additions to dwelling; slate roof.
Owner—Dr. E. E. Brownell, c-o architect.
Architect—W. C. Perry, 260 California Street.
Contractor—Moore and Madsen, 557 Market St. \$12,000

RESIDENCE

(414) SW COR. BAKER & BAY STS.; two-story and basement frame residence.
Owner—N. Guisti, 195 Moulton. Architect—P. Canali, 2315 Franklin St. Contractor—V. Pera, 2706 Greenwich Street. \$33,652

DWELLING

(415) NE CASELLI & DANVERS; 1-story and basement frame dwelling.
Owner—E. C. Lyngaard, c-o builder. Architect—None.
Contractor—Lindgren Bros., 64 Ramona Ave. \$4000

OFFICES

(416) N STEVENSON 200 E 4th St.; seven-story and basement reinforced concrete office building.
Owner—Pacific States Auxiliary Corp., 745 Market St. Architect—A. F. Roller, Crocker First National Bank Bldg.
Contractor—Barrett & Hulp, 918 Harrison St. \$75,000

DWELLING

(417) W SOMERSET 25 N Silliman; one-story and basement frame dwelling.
Owner—G. Carraro, 750 Felton St. Architect—None. \$3000

DWELLING

(418) W 29th AVE. 229 N Lawton; one-story and basement frame dwelling.
Owner—Erickson Bros., 1863 8th Ave. Architect—None. \$4000

DWELLING

(419) N SENECA 51 W Mission; one-story and basement frame dwelling.
Owner—M. E. Miraglia, 5036 Mission Street. Architect—None.
Contractor—E. Evangelisti, 700 Brazil Avenue. \$5000

DWELLINGS

(420) W 29th AVE. 175 N Lawton; two 1-story and basement frame dwellings.
Owners—Oyen & Geheran, 1000 Steiner Street. Architect—None. \$4500-\$4000

DWELLING

(421) E 11th AVE. 225 N Noriega; 1-story and basement frame dwelling.

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ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

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1222 Mission St. UNDERHILL
San Francisco 1267

Owner and Builder—E. Watson, 3 Appleton Ave.
Architect—B. K. Dobkowitz, 425 Montecrey Blvd. \$4000

REPAIRS

(422) 519 HEARST AVE.; repair fire damage.
Owner—Mr. Jones, 519 Hearst Ave. Architect—None.
Contractor—Ira W. Coburn, Hearst Bldg. \$4000

DWELLING

(423) E 16th AVE. 400 S Taraval St.; one-story and basement frame dwelling.
Owner—A. C. Johnson, 1835 8th Ave. Architect—None. \$4500

DWELLING

(424) N PALOU 200 E Newhall; one-story and basement frame dwelling.
Owner—P. Silvestri, 3580 San Bruno Avenue. Architect—None.
Contractor—W. E. Tuomisto, 3580 San Bruno Ave. \$5000

DWELLING

(425) W JENNINGS 25 N Le Conte; one-story and basement frame dwelling.
Owner—Mrs. A. Ternova, 3444 Jennings St. Architect—None. \$3500

DWELLING

(426) NE PERSIA 75 NE Prague; 1-story and basement frame dwelling.
Owner—L. Besio, 439 Lisbon St. Architect—None. \$4500

REPAIRS

(427) 770 FOURTH AVE.; repair fire damage.
Owner—L. Schwartz, 770 4th Ave. Architect—None.
Contractor—L. A. Hinson, 756 4th Ave. \$1400

ALTERATIONS

(428) SW 24th & DOUGLAS STS.; alterations to dwelling for apts.
Owner—J. Fuleti, 24th and Douglas. Architect—None.
Contractor—C. E. McDonald, 606 Capp Street. \$1500

DWELLING

(429) E LEE 65 N Grafton; one-story and basement frame dwelling.
Owner—The McCarthy Co., 46 Kearny Street. Architect—None.
Contractor—W. Duerner, Jr., 166 Miramar Ave. \$2000

DWELLINGS

(430) E 22nd AVE 250 S Vicente; four 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr. Architect—None. each \$4000

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
67	Lindeman	Lindeman	54000
68	McCarthy	Meyer	4500
69	Anglo	Sweet	1500
70	Lyngaard	Lindgren	5674
71	McCarthy	Duerner	2482
72	Volz	Tignard	485

APARTMENTS

(67) W 19th AVE. 120 N California St. N 52 x W 120; all work on 3-story frame apartment house.
Owner—H. O. Lindeman, 619 27th Ave. Avenue.
Architect—Irvine & Ebbets, Call Bldg. Contractor—W. R. Lindeman.
Filed Apr. 4, 1930. Dated Jan. 9, 1930.
Frame up \$13,500
Rough plastered 13,500
Completed 13,500
Usual 35 days 13,500
TOTAL COST, \$54,000
Limit, 90 days. Plans and Spec. filed.

DWELLING

(68) LOT 4 BLK 2959 Subdiv No 4. Miraloma Park; all work on one-story and basement frame dwelling.
Owner—The McCarthy Co., 46 Kearny Street.
Architect—None.
Contractor—Meyer Bros., 727 Portola Drive.
Filed Apr. 5, 1930. Dated Mar. 31, '30.
Side & roof sheathing on \$1125
Brown coated 1125
Completed 1125
Usual 35 days after 1125
TOTAL COST, \$4,500
Limit, 90 days. Plans and Spec. filed.

REPAIRS

(69) 377 SIXTH ST.; repair and remodel hotel.
Owner—Anglo-California Trust Co., Market and Sansome Sts.
Owner—L. Muncy.
Contractor—Isaac Sweet.
Filed and Dated April 7, 1930.
Payments not given.
TOTAL COST, \$1500
Limit, 60 days.

BUILDING

(70) INT N CASELLI AVE and NE Danvers E 30 N 71-9% W 55-6% N or 1 SE 46-2% N or 1 1/2 N 71-9% W 55-6% N; all work on 1-story and basement frame building.
Owners—Elinor C. and Katherine Lyngaard, 3340 E 22nd St.
Architect—None.
Contractor—Lindgren Bros., 64 Ramona St.
Filed April 7, '30. Dated Mar. 26, '30.
Rough sheathing on \$1418.50
Brown coated 1418.50
Completed 1418.50
Usual 35 days 1418.50
TOTAL COST, \$5,674
Limit, 90 days.
Permit applied for March 7, 1930.

ALTERATIONS

(72) E L 46th AVE.; alterations to building.
Owner—John Volz, premises.
Architect—None.
Contractor—Jean Tignard, 351 Ulloa Street.
Filed April 9, '30. Dated Mar. 12, '30.
Payments not given.
TOTAL COST, \$485

DWELLING

(71) E LEE AVE 65 N Grafton Ave N 35 x E 25; all work on 1-story and basement frame dwelling with garage.
Owner—The McCarthy Co., 46 Kearny Street.
Architect—None.
Contractor—Wm. Duerner, Jr., 166 Miramar St.
Filed Apr. 9, '30. Dated Apr. 8, '30.
Roof on 25%
1st coat of plaster on 25%
Completion 25%
Usual 35 days 25%
TOTAL COST, \$2,482
Limit, 90 days. Plans and Spec. filed.
Permit applied for.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
April 2, 1930—W SIXTH AVE 50 S Cabrillo S 25 x W 100 lot 2 Blk 1649 Assessor's map formerly Blk 356, Richmond. Roma Hardwood Floor Co vs Henrietta Wollensell.	March 29, 1930
April 2, 1930—N ORTEGA 82-6 W 47th Ave W 25 x N 100. P D Fleming to whom it may concern.	March 29, 1930
April 2, 1930—LOT 22 BLK 10 Tract A Peoples Hd Assn. H E Thorne to J F Thorne.	March 27, 1930
April 2, 1930—S ELLIS ST 163-1 E Powell St E 113 S 92-6 SW 61-6% NW 108 N 40-3%. Sommer and Kaufmann Co to whom it may concern; P Grassi & Co "Traver-tite" Works.	March 27, 1930
April 2, 1930—S ELLIS ST 163-1 E Powell St E 113 S 92-6 SW 61-6% NW 108 N 40-3%. Sommer and Kaufmann Co, to Boyd Lighting Fixture Co; W A Barnes as Barnes Corning Co; Michel and Pfeffer Iron Works.	March 25, 1930
April 2, 1930—NW NAPLES 175 and 200 NE Italy Ave NE 50 x NW 100. M T Struthers to G J Conway.	April 2, 1930
April 2, 1930—W HAMILTON 50 N Wayland St. I C Stevenson to John Casty & Son.	April 1, 1930
April 1, 1930—W CAPE ST 204 S 2nd St. L Brown to Geo. H. Hansell.	April 1, 1930
April 4, 1930—SW SACRAMENTO St and Grant Ave 363-9 x W 34-4%. Louis Heung to F R Siegrist.	April 2, 1930
April 4, 1930—N VASQUEZ AVE 80 W Laguna Honda Blvd being 44 Vasquez Ave. H W Armbrust to whom it may concern.	April 4, 1930
April 4, 1930—E 22nd Ave 25 S Law-ton St 25x95. A Halgren to whom it may concern.	April 4, 1930
April 3, 1930—E ALABAMA 245 S 25th, 27-6 x 100. C Di Piero to J Farnocchia.	April 2, 1930
April 8, 1930—W FILLMORE 106-2% N California N 53 x W 106-3. Wm Barrett to E A Cornely, Inc.	Nov., 1929
Correction in Location	
April 7, 1930—N ELBERT ST 82-6 E Frederick E 27-6 x N 137-6. Syl-vester Andriano to Fracchi and Truffelli.	April 3, 1930
April 5, 1930—SW LOT 14 BLK 1 and NW Mission St NW 80-82 NE 25-19 SE 77-59 SW 25-75. H W Strong to whom it may concern.	April 4, 1930
April 5, 1930—LOT 21 BLK 5803 St Mary's Park. Roman Catholic Archbishop of S F to A R Johnson.	March 23, 1930
April 4, 1930—NE DARIEN WAY about 50 SE from Westgate Dr 41x90. S Laren and Vincent P Laguens to whom it may concern.	April 3, 1930
April 7, 1930—W 14th Ave 131-2 S Irving St 25x127-6. Emil E Erickson to whom it may concern.	April 7, 1930
April 7, 1930—N BAY 93-3 W Broderick W 25 x N 100. Emma McCabe to whom it may concern.	April 1, 1930
April 7, 1930—S JACKSON 125 E Lyon. Wm McIntosh to whom it may concern.	April 7, 1930
April 2, 1930—SE ALEMANY BLVD 132-997 NE from Inter said Ale-many Blvd and NE Tingley SE 26-110 SE par with Tingley 81-642 to NW line lot 26 blk 6800, Castle Manor. A A Wesendunk, Jr to whom it may concern.	April 1, 1930
April 2, 1930—W VERNON 25 S Sargent S 25 x W 100. George Schroff to B A Faines.	Apr. 2, 1930

LIENS FILED

San Francisco County

Recorded	Amount
April 4, 1930—LOTS 7A, B, C, BLK 7032A map Subdiv No 2, Geneva Terrace. G and L Mazzera as G Mazzera Co vs A J Kronquist and L Glicksberg.	\$120.50
April 3, 1930—N PINE 73 W Baker W 33-3 N 50 S 36 S 25 W 2-9 S 25. Frank Nicolai and A. Giavannoni as San Francisco Gravel Co vs Anne C McDonald. F B Neel.	\$135.24

RELEASE OF LIENS

San Francisco County

Recorded	Amount
April 1, 1930—N GEARY ST 94-6 E Steiner St E 30 N 124-6 W 30 x S 123-6. Robert Balzke to Haley Bros.	
April 7, 1930—N MARKET 197-2 W Larkin W 164-9% N 60-4 E 42 N 27 E 170 S 132-2% known as Capital Theatre. A J Bayer Co to MacDonald & Kahn, Inc.	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
399	Bruna	Miller	2600
400	Campbell	Owner	2500
401	Charles	Owner	3250
402	Donna	Eppson	3000
403	Ellam	Owner	3300
404	Gaeta	Owner	2000
405	Green	Owner	4000
406	Hunter	Troiet	2500
407	MacGregor	Owner	8000
408	Nevoia	Marietti	3300
409	Enterprise	Owner	5500
410	Offe	Johnstone	2130
411	Bardwell	Owner	7500
412	Murphy	Owner	1000
413	Thiess	Owner	1450
414	Hughson	Owner	7500
415	Addison	Hambleton	7000
416	Golden	Henning	1500
417	Ihrig	Owners	4500
418	Ihrig	Owners	1000
419	Ligon	Owner	2000
420	Munoy	Nunes	3800
421	Toselli	Marietti	8000
422	Tweedt	Tweed	37000
423	Vargos	Cohn	5950
424	Larson	Owner	5000
424	Elhi	Owner	2500
425	Glantz	Owner	6000
426	Markwart	Peterson	1000
427	Monroe	Bishop	1550
428	Aschen	Owner	4000
429	Brown	Campbell	7000
430	Derry	Owner	5000
431	Goldwater	Rose	1500
432	McCrath	Owner	1000
433	Norhelm	Owner	8000
434	Taylor	Owner	4000
435	Humphrey	Blitrite	5000
436	Texas	Owner	1800
437	Texas	Owner	2000
438	Conlogue	Owner	3000
439	East Bay	Owner	1600
440	Guidotti	Ungaretti	4000
441	Jennings	Searns	1500
442	Knapp	Owner	1500
443	Southern	Owner	7000

DWELLING

(399) NO. 918 CORNELL AVE., Albany. Five-room dwelling.
Owner—Miss Bruna, 906 Cornell Ave., Albany.
Architect—None.
Contractor—T. T. Miller, 1052 West Seventh St., Oakland. \$2600

DWELLING

(400) NO. 1461 PORTLAND AVE., Albany. Five-room stucco dwelling and 2 garages.

Owner—A. L. Campbell, 1641 Solano Ave., Albany.
 Architect—W. W. Dixon, 1844 Fifth Ave., Oakland. \$2500

DWELLING
 (401) NO. 904 NEILSON ST., Albany
 Six-room stucco dwelling.
 Owner—Cora Charles, 1071 Spruce St., Berkeley.
 Architect—Owner. \$2250

COTTAGE
 (402) NO. 731 ADAMS ST., Albany.
 Five-room cottage.
 Owner—Gabriel Donna, 729 Adams St., Albany.
 Architect—None.
 Contractor—G. Eppson, 727 Adams St., Berkeley. \$3000

DWELLING
 (403) NO. 801 CARMEL AVE., Albany.
 Six-room stucco dwelling.
 Owner—Grover Ellam, 1409 Santa Fe Ave., Berkeley.
 Architect—None. \$3300

DWELLING
 (404) NO. 1020 STANNAGE AVE., Albany.
 Five-room stucco dwelling.
 Owner—Gaetana D. Gaeta, 516 Kains Ave., Albany.
 Architect—G. D. Gaeta, 816 Kains Ave., Albany. \$2000

COTTAGE
 (405) NO. 802 CERRITO ST., Albany
 Five-room cottage and garage.
 Owner—Herbert Greer, 319 Ramona Ave., Albany.
 Architect—None. \$4000

BUILDING
 (406) NO. 532 CORNELL AVE., Albany.
 Five-room concrete building.
 Owner—H. C. and Gussie Hunter, 524 Cornell Ave., Albany.
 Architect—A. E. Troiel, 2928 Ellis St., Berkeley.
 Contractor—A. E. Troiel, 2928 Ellis St., Berkeley. \$2500

DWELLINGS
 (407) NO. 503, 504, 510, 527 EVELYN Ave., Albany.
 Four 4-room dwellings and garages.
 Owner and Contractor—C. M. MacGregor, 470 13th St., Oakland.
 Architect—None. \$2000 each

DWELLING
 (408) NO. 1303 DARTMOUTH ST., Albany.
 Five-room stucco dwelling and garage.
 Owner—Raymond Nevola, 1010 Ramona Ave., Albany.
 Architect—None.
 Contractor—Chas. Marietti, 1201 Stannage Ave., Berkeley. \$3300

SHOP
 (409) 2342 VALDEZ ST., Oakland; 1-story brick and tile shop.
 Owner—Enterprise Hall Assn., Standard Oil Bldg., San Francisco.
 Architect—R. H. Cooley, 354 Hobart St., Oakland. \$5500

DWELLING
 (410) E 9TH AVE., 290 South A St., Oakland; one-story 4-room dwelling.
 Owner—E. Offe.
 Architect—None.
 Contractor—J. D. Johnstone 1810 94th Ave., Oakland. \$2180

DWELLING
 (411) 818 NORTHVILLE ROAD, Oakland; two-story 7-room dwelling.
 Owner and Builder—Chas. E. Bardwell, Jr., 794 Lerida Ave., Oakland.
 Architect—None. \$7500

ALTERATIONS
 (412) 2200 CLAREMONT ROAD, Oakland; alterations and additions.
 Owner and Builder—J. D. Murphy, 200 Claremont Ave., Oakland.
 Architect—None. \$1000

ADDITION
 (413) 4673 PARK BLVD., Oakland; addition.
 Owner & Builder—A. H. Thiess, 4673 Park Blvd., Oakland.
 Architect—None. \$1450

RESIDENCE
 (414) 2 ALTA AVE., Piedmont; two-story 8-room frame residence and garage.
 Owner and Builder—Flora R. Hughson, 102 Pacific Ave., Piedmont.
 Architect—Albert Farr, 68 Post St., San Francisco. \$7500

DWELLING
 (415) 2930 FERNSIDE BLVD., Alameda; one-story 8-room frame & stucco dwelling.
 Owner—Addison Corp., 1441 Franklin St., Oakland.
 Architect—S. C. Jackson, 428 Builders' Exchange.
 Contractor—F. Hambleton, 1005 Chatham Road, Oakland. \$7000

ADDITION
 (416) 1708 HARMON, Berkeley; addition.
 Owner—Golden Gate Academy, 1709 Alcatraz, Berkeley.
 Architect—None.
 Contractor—K. I. Henning, 540 Alcatraz, Berkeley. \$1500

APARTMENTS
 (417) 2122 SANTA CLARA AVE., Alameda; three-story 57-room frame and stucco apartments.
 Owners and Builders—Ihrig & Thorpe, 1162 Broadway, Alameda.
 Architect—Paul V. Tuttle, 337 17th St., Oakland. \$45,000

GARAGE
 (418) 2122 SANTA CLARA AVE., Alameda; sixteen-car frame and stucco garage.
 Owners and Builders—Ihrig & Thorpe, 1162 Broadway, Alameda. \$1000

RESIDENCE
 (419) 2830 MABEL ST., Berkeley; 1-story 5-room 1-family frame residence.
 Owner and Builder—J. Ligon, 1203½ Haskell St., Berkeley.
 Architect—None. \$2000

RESIDENCE
 (420) 1769 HAYS ST., San Leandro; five-room frame and stucco residence.
 Architect—None.
 Contractor—A. F. Nunes, 37 Castro St., San Leandro. \$3800

STORES & APARTMENTS
 (421) 1205-11 GILMAN, Berkeley; 2-story 12-room stores and apartments.
 Owner—Joe Toselli, 1216½ Delaware, Berkeley.
 Architect—None.
 Contractor—Chas. Marietti, 1201 Stannage, Berkeley. \$3000

APARTMENTS
 (422) 2420 VIRGINIA ST., Berkeley; three-story 51-room apartments.
 Owner—A. G. Tweed, 1121 Hampel, Oakland.
 Architect—None.
 Contractor—Henry Tweed, 4035 Greenwood, Berkeley. \$37,000

RESIDENCE
 (423) 901 DUTTON AVE., San Leandro; six-room frame and stucco 1½-story residence.
 Owner—Manuel Vargus, 415 Superior Ave., San Leandro.

Architect—None.
 Contractor—Cohn Bros., 396 7th St., Oakland. \$3950

DWELLING
 (424) S CLARENDON CRESCENT 130 E Mandana Blvd., Oakland; one-story 8-room dwelling.
 Owner and Builder—E. G. Larson, 786 Prospect Ave., Oakland.
 Architect—None. \$5000

RESIDENCE
 (424) 1638 BELVEDERE AVE., Berkeley; one-story 4-room 1-family frame residence.
 Owner—A. Ebl.
 Architect—Hobart and Oman, 1802 Chestnut St., Berkeley. \$2500

RESIDENCE
 (425) 432 MICHIGAN AVE., Berkeley; one-story 5-room 1-family frame residence and garage.
 Owner—A. A. Glantz, 1662 Beulah Pl., Oakland.
 Architect—None. \$6000

ALTERATIONS
 (426) 280 INDIAN ROAD, Piedmont, alterations.
 Owner—A. H. Markwart, 280 Indian Road, Piedmont.
 Contractor—J. B. Petersen, 4021 Agua Vista Ave., Oakland. \$1000

ALTERATIONS
 (427) 1307 MCGEE AVE., Berkeley; alterations.
 Owner—D. Monroe.
 Architect—None.
 Contractor—J. B. Bishop, 587 Athol Ave., Oakland. \$1550

DWELLING
 (428) N E 16th ST., 290 W Fruitvale Ave., Oakland; one-story 7-room dwelling.
 Owner and Builder—W. A. Aschen, 2611 Coolidge Ave., Oakland.
 Architect—C. E. Rednours, Hayward. \$4000

ADDITION
 (429) 3476 PIEDMONT AVE., Oakland; two-story concrete addition.
 Owner—Albert Brown Undertaking Co., 3476 Piedmont Ave., Oakland.
 Architect—W. F. Webber, Portland.
 Contractor—Campbell Const. Co., Sacramento. \$7000

DWELLING
 (430) 821 LEE AVE., San Leandro; two-story frame and stucco dwelling.
 Owner and Builder—Derry Bros.
 Plans by Owners. \$5000

ALTERATIONS
 (431) 2037 FRANKLIN ST., Oakland; alterations.
 Owner—M. Goldwater, 2085 Franklin St., Oakland.
 Architect—None.
 Contractor—A. H. Rose, 478 25th St., Oakland. \$1500

ALTERATIONS
 (432) 1530 23rd AVE., Oakland; alterations to apartments.
 Owner and Builder—J. G. McCraith, 1122 Grand St., Alameda.
 Architect—None. \$1000

RESIDENCE
 (433) 665 SPRUCE ST., Berkeley; 2-story six-room one-family frame and stucco residence.
 Owner and Builder—Ray H. Norhelm, 581 Arlington Ave., Oakland.
 Plans by Owner. \$3000

DWELLING
 (434) W LA CRESTA 40 S Hampel St., Oakland; one-story six-room dwelling.
 Owner and Builder—C. L. Taylor, 240 Wayne Ave., Oakland.
 Architect—None. \$4000

RESIDENCE
(435) 544 THE ALAMEDA, Berkeley;
one-family residence;
Owner—H. F. Humphrey, 1232 Grove
St., Berkeley.
Architect—W. W. Dixon, 1844 5th Ave.
Oakland.
Contractor—Bilrite Const. Co., 366
Ocean View, Berkeley. \$5000

SERVICE STATION
(436) 2598 TELEGRAPH AVE., Berk-
eley; service station.
Owner and Builder—Texas Company,
929 S Broadway, Los Angeles.
Architect—None. \$1800

GREASING STATION
(437) 2590 TELEGRAPH AVE., Berk-
eley; class C greasing station.
Owner and Builder—Texas Company,
929 S Broadway, Los Angeles.
Architect—None. \$2000

DWELLING
(438) 5430 BROOKDALE AVE., Oak-
land; one-story 5-room dwelling.
Owner and Builder—F. W. Conlogue,
2559 Church St., Oakland.
Architect—None. \$3000

ALTERATIONS
(439) 512 16th St., Oakland; altera-
tions.
Owner and Builder—East Bay Munic-
ipal Utility District, 512 16th St.,
Oakland.
Architect—None. \$1600

DWELLING
(440) W MAPLE AVE., 100 N Nicol
Ave., Oakland; one-story 6-room
dwelling.
Owner—L. Guidotti, 1067 57th Street,
Oakland.
Architect—None.
Contractor—Chas. Ungaretti, 1727 Ft.
hill Blvd., Oakland. \$4000

ALTERATIONS
(441) NW COR. SANTA CLARA and
Grand Aves., Oakland; alterations.
Owner—R. Jennings, 178 Grand Ave.,
Oakland.
Architect—None.
Contractor—L. Severns. \$1000

DWELLING
(442) 5712 COUNTRY CLUB Drive,
Oakland; two-story 9-room con-
crete dwelling.
Owner and Builder—J. F. Knapp, 163
Wildwood Ave., Oakland.
Architect—Miller and Warnecke, Fi-
nancial Center Bldg., Oakland. \$15,800

RESERVOIR
(443) FOOT OF FRUITVALE Ave.,
Oakland; concrete reservoir.
Owner and Builder—Southern Pacific
Co., 337 13th St., Oakland.
Architect—None. \$7000

BUILDING CONTRACTS

Alameda County

58 Prince	Durgan	1125
59 Castlewood	Stolte	7134

STORE
(58) N FOOTHILL BLVD. 150 ft. E
of 73rd Ave., Oakland; general con-
struction on (5) store building.
Owners—G. W. and Ida May Prince,
7324 Foothill Blvd., Oakland.
Architect—None.
Contractor—F. W. Durgan.
Filed April 4, 1930. Dated Mar. 8, 1930
Payments as per arrangement
made with loan company.
TOTAL COST, \$11,125
Limit, 120 days.

BATH HOUSE
(59) ADJACENT to the location of the
outdoor swimming pool on the
property of the Castlewood Coun-

try Club near Pleasanton; gener-
al construction on 1-story frame
bath house.
Owner—Castlewood Country Club, Inc.
Architect—Edw. T. Foulkes, 357 12th
St., Oakland.
Contractor—F. C. Stolte, 3455 Laguna,
Oakland.
Filed Apr. 8, '30. Dated Apr. 2, '30.
10% of each month. Balance
Usual 35 days. TOTAL COST, \$7,134
Bond, \$3567. Sureties, Pacific Indemn-
ity Co. Limit, 45 days. Plans and
Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
April 4, 1930—PTN LOTS 1 AND 2 Blk M, Durrant Manor. Charles W Griffith to whom it may concern April 3, 1930	
April 4, 1930—NO. 2945 CLINTON Ave., Alameda. Emil Lichters to whom it may concern. Mar. 31, 1930	
April 4, 1930—NW BOND & COLE Sts., Oakland. C R House to Clyde Sage April 1, 1930	
April 4, 1930—SW PARK AVE AND Hollis St (rear of Lot), Emery- ville. Town of Emeryville to W J Eiddle March 31, 1930	
April 4, 1930—NO. 5291 PROCTOR Ave., Oakland. Joseph L Morten- sen to Joseph L Mortensen April 4, 1930	
April 4, 1930—LOT 9 AND 1/2 LOT 10 Blk 19, Sunset Terrace Tract, Albany. Esther Brandas to G E Carlson April 4, 1930	
April 4, 1930—NO. 2929 EIGHTY- second Ave., Oakland. Ernest T Minney to whom it may concern April 2, 1930	
April 2, 1930—LOT 14 BLK B, Clare- mont Pines, Oakland. Edith O Ekstrom to J H Mogk April 1, 1930	
April 3, 1930—FIRST & FRANKLIN Sts., Oakland. Southern Pacific Co to The Moore Dry Dock Co March 31, 1930	
April 3, 1930—FRUITVALE, Oak- land. Southern Pacific Co to Hut- chinson Company March 28, 1930	
April 3, 1930—FRUITVALE, Oak- land. Southern Pacific Co to Hut- chinson Company March 28, 1930	
April 3, 1930—LOT 10 BLK H, Ken- wood Park, Oakland. E C How- ard to C Tollefsen April 3, 1930	
Apr 3, 1930—LOT 6, Wildwood Gar- den No 2, Piedmont. Sam H and Kathryn F Kelley to Beckett and Wight March 5, 1930	
April 2, 1930—MASONIC HOME nr. Decoto. Masonic Homes of Calif (K E Parker Co, contractor) to Lars C Larsen, Inc., sub-contractor March 31, 1930	
April 7, 1930—LOTS 164 and 165 Blk 336, Arbor Villa Tract, Oak- land. H B Jacobs to Jacobs and Pattiani April 5, 1930	
April 8, 1930—LOT 7 BLK 3, Grand View Terrace, Berkeley. Sadie E and Charles C Metcalf to whom it may concern April 4, 1930	
April 8, 1930—LOT 42, Maple Ter- race, Oakland. R L Rademaker to J G Fisher April 4, 1930	
April 8, 1930—1651 SHORT ST. and 1650 Sacramento St, Berkeley. Hughes & Beach to Self April 1, 1930	
April 8, 1930—OAKLAND. Southern Pacific Co to Hutchinson Co, Inc March 31, 1930	
April 8, 1930—BERKELEY, Oakland and Alameda. Southern Pacific Co to Hutchinson Co, Inc. Mar. 31, 1930	
April 7, 1930—550 COLUSA ST, Berk- eley. Marie E French to O M French April 4, 1930	
April 7, 1930—NEWARK, Pacific G & E Co to Chicago Bridge & Iron Works April 1, 1930	

April 7, 1930—E LAGUNA AVE 377 ft S of Montana Ave, Oakland. E Clark to A E Clark April 7, 1930	
April 5, 1930—PTN LOT 20 BLK E, Leonard Tract, Berkeley. D Ben Replegle to R Beadell and Geo J Lane April 3, 1930	
April 5, 1930—431 35th ST, Oakland. C B Howard to The Weeks Const Co Ltd March 22, 1930	
April 5, 1930—NE 14th ST 80 ft W of Oakes Blvd, San Leandro. I E Jones to Alex C Wieben April 2, 1930	
April 5, 1930—PTN LOTS 13 and 11 Blk 14, Berkeley. Thos C Knott penter to whom it may concern April 4, 1930	

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
April 8, 1930—LOTS 25 and 26 Arbor Villa, Oakland. Superior Tile and Products vs Chris and Doe Dietz \$4043.50	
April 8, 1930—LOT 5 BLK G, Excel- sior Heights, Oakland. Marcus & Merrick, Ltd., vs H Hofvendahl.....	\$185.01
April 7, 1930—LOT 1 BLK 11, Re- gents Park No 6, Oakland. Abra- ham Tidley vs Fred R Drink- house, R Drinkhouse \$42.47	
April 7, 1930—LOT 5 BLK G, Excel- sior Heights, Oakland. Thomas F Higgins vs Harry Hofvendahl.....	\$503
April 5, 1930—SW EAST 15th ST 120 ft NW of 8th Ave, Oakland. The Oakland Planning Mill Co vs Louis H and Katherine Cochran, K J Henning \$500.80	
April 3, 1930—SW E 15th 126 NW 8th Ave, Oakland. Michel & Pfeif- er Iron Works vs Louis & Kath- erine Cochran, K Henning \$68	
April 3, 1930—LOT 5 BLK G Excel- sior Heights, Oakland. A Som- marstrom vs H Hofvendahl, Ed- ward and Hugo Sommerstrom as Sommarstrom Bros. \$2145	
April 1, 1930—SE ADDISON AND Grove Sts, Berkeley. Oscar Olof- son vs Framot Temple Assn, Inc H C Peterson \$787.90	
April 1, 1930—LOT 8 BLK 10, East- lawn, Oakland. O W Hodges vs John G, Alice and Catherine F Coburn \$900	
April 1, 1930—S NINTH ST 7 ft W of Fallon, Oakland. Herrick Iron Works vs Japanese American So- ciety of California, S M Tieglund \$114	
April 5, 1930—SW EAST 15th ST 120 ft NW of 8th Ave, Oakland. R E Fritz Elec Co, \$246.50; Maxwell Hardware Co, \$653.77; Churchill Tile Co, \$525, vs Louis Cochran, K J Henning	

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
April 2, 1930—LOT 55 and SE 1/4 lot 56 blk 12, Chevrolet Park, Oakland. J H Fitzmaurice to A J Darr, Fannie S Darr \$106.37	
April 4, 1930—LOT 159, Arbor Villa, Oakland. Geo A Schuster, \$2100; P M Henning, \$592.75; Churchill Tile Co, \$572.50; J L Roark, \$1,- 000; Industrial Iron Works, \$425, to Thos C and Susan Pimm.....	
April 4, 1930—LOTS 153 and 160, Arbor Villa, Oakland. M Knott to Chas D Knotty, Thomas C Pimm \$3316.48	

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
LOT 11 BLK 77, Grand Ave. Exten-
sion, San Mateo. All work for

one-story frame & stucco bungalow with basement.
Owner—Lodovico Quilchi, South San Francisco.

Architect—None.

Contractor—A. Pianca, 109 Pine Terrace, South San Francisco.

Filed April 1, '30. Dated March 31, '30.

Roof on\$2500

Plastered 2000

Usual 35 days 1700

TOTAL COST, \$6200

Bond, \$3100. Sureties, S. Pianca and Luis Varni. Limit, 90 working days.

Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$6,000; Lot 3 Blk 4 11-16th Ave.; owner and builder, P. G. Magneson.

STORE, \$8000; Lot 10 3rd Ave.; owner, Martin Stelling Jr., and E. L. Gould, 155 Montgomery St., San Francisco; contractor, Young and Horstmeier, 461 Market St., San Francisco.

RESIDENCE, \$17,500; Lot 23 Blk 4 Fordham and Virginia; owner, W. C. Schneider, 31 14th Ave., San Mateo; contractor, The Minton Co., Mt. View.

BUNGALOW, \$7000; Lot 66, 837 N. Idaho, Peninsula Manor; owner, L. Gasti; contractor, E. D. Soward.

BUNGALOW, \$5,000; Lot 35, 816 N. Cluemont; owner and builder, M. Peterson, 128 Lorton, Burlingame.

STORE, \$14,000; Lot 4 3rd Ave. and San Mateo Drive; owner, Martin Stelling Jr. and Edgar L. Gould, 155 Montgomery St., San Francisco; contractor, Young & Horstmeier, 461 Market St., San Francisco.

RESIDENCE, \$4000; Lot 5 Blk 21 9th Ave.; owner and builder, Lengfeld & Olund, 145 El Camino Real, San Mateo.

CABINS, three, \$1500; Lot 30 subdiv of lots 12-19-21, 2nd Ave.; owner and builder, H. A. Ward, 2nd Ave. and Date, San Mateo.

BUNGALOW, \$3500; Lot 163 100 ft. Jessimina St., 39 Barneson St.; owner, Philip Yager, 333 N. Elsworth, San Mateo; contractor, E. V. Hinard.

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
March 31, 1930—LOT 18 BLK 7B, Western Addn, San Mateo. C S Hower vs Leo H Davis.....	\$85
March 31, 1930—LOT 9 BLK 13, Bayview Heights. N S. McCartney, \$170; B Solari, et al, \$65.50, vs Harry Hanush, et al.....	
April 2, 1930—PART BLK 11, Burlingame. Chicago Lumber Co vs J C Cummings.....	\$370.45

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
March 23, 1930—0.384 ACRES, Hillsborough. Legendre H P Cing Mars, et al to Black & Campbell.....	March 27, 1930
March 28, 1930—BELMONT. Roman Catholic Archbishop to H H MacDonald.....	March 24, 1930
March 31, 1930—LOT 24 BLK 6 Burlingame. G W Williams Co to Self.....	March 28, 1930
March 29, 1930—PART LOTS 5, 6 & 7 Blk 9, East San Mateo. Ashley & Powers to whom it may concern.....	March 28, 1930
April 1, 1930—LOT 17 BLK 42, Redwood Highlands. The Dorse Co	

Recorded	Amount
April 1, 1930—HILLSBOROUGH. Edwin C Porter et al to Daniel Hayes.....	March 29, 1930
April 2, 1930—LOT 9 BLK B and lot 5 blk C, Fayes Redwood Gardens. Robert S Bowers to Self (two completions).....	March 23, 1930
April 3, 1930—LOT 67 Part Lot 66, Portola Woods. R Craig Ferguson to Edward J Schmalings.....	March 27, 1930

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
April 2, 1930—LOT 17 BLK 20, Milbrae Highlands. C H Moore to Robert Bowers.....	
April 2, 1930—LOT 3, Woodstock in Hillsborough. H E Casey, et al to B F Mackall.....	

BUILDING PERMITS

SAN JOSE

APARTMENTS, 3-story frame and stucco, \$60,000; Hawthorne and First Sts., San Jose; owner, H. Schuster, 2424 Curtis St., Berkeley.

RESIDENCE, 3-room, frame, \$2000; Twenty-first St. near San Antonio St., San Jose; owner, Mrs. M. Waters, General Delivery; contractor, C. O. Metcalf, 448 Metcalf Ave., San Jose.

FACTORY, tire, concrete, \$30,000; First and Reed Sts., San Jose; owner, Firestone Tire Co., 397 S. First St., San Jose; architect, Company Engineers; contractor, R. O. Summers, 17 N-First St., San Jose.

ALTER Class C business building, \$1250; No. 369 S-First St., San Jose; lessee, Golden Furniture Co., contractor, E. J. Shottenhamer, 401 S. Market St., San Jose.

ADD to frame industrial building, \$2000; No. 959 Hamline St., San Jose; owner, C. A. Crowell, Prem.

ALTER frame office building, \$1000; No. 1045 E. Santa Clara St., San Jose; owner, V. D. Goodrich, 1045 E. Santa Clara St., San Jose.

BUILDING PERMITS

PALO ALTO

LAUNDRY, Class C, \$5000; No. 651 Emerson St., Palo Alto; owner, Jew Gnum You; contractor, L. M. Burr.

RESIDENCE, stucco duplex, \$3000; No. 371 Lytton Ave., Palo Alto; owner, Lucy J. Carey; contractor, Paul H. Smith, Willow St., Palo Alto.

RESIDENCE, frame and stucco, \$6000; No. 1823 Middlefield Road, Palo Alto; owner, Mrs. A. Jones; contractor, E. M. Lenzen.

BUILDING CONTRACTS

SANTA CLARA COUNTY

ALTERATIONS

MARKET ST frontage approximately 90 ft. and approximately 125 ft. on San Antonio St., San Jose. All work for alterations and repairs to two-story brick building.

Owner—Auzerais Estate Co., Auzerais Bldg., San Jose.

Architect—Chas. S. McKenzie, Twohy Bldg., San Jose.

Contractor—H. A. Bridges, 1398 Lincoln St., San Jose.

Filed April 3, '30. Dated April 2, '30.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$3651

Bond, \$4340.50. Surety, Globe Indemnity Co. Limit, on or before June 15, 1930. Forfeit, none. Plans and specifications filed.

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
March 22, 1930—LOT 22, Veuve Lagrue Tract, San Jose. Alfred Bowen vs Angelo Cireigliano.....	\$321.27
April 2, 1930—NW SANTA CLARA and San Pablo Sts., San Jose. Central Supply Co vs The Farmers Union.....	\$4827.02
April 3, 1930—N 100 FT. LOT 12, Blk 2, Alba Park Addition, Palo Alto. C A Bloemquist vs W G Bell.....	\$222.00
April 5, 1930—N 100 FT. LOT 12, Blk 2, Alba Park Addition, Palo Alto. J H Daly, \$364.75; E L Schiller, \$130; Palo Alto Lumber Co, \$1420.14; John L. Ingram, \$351 vs W G Bell.....	

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
March 22, 1930—SW ELM 210 NV McKendrie, San Jose. F A Turner to whom it may concern.....	March 19, 1930
March 22, 1930—NW SANTA CLARA and San Pedro 70x150 ft., San Jose. The Farmers Union to J S Sampson Co.....	March 21, 1930
March 22, 1930—SW LINE LOT 34, Chace Villa Lots No. 3, San Jose. Ray Fritchett et al to whom it may concern.....	March 20, 1930
March 22, 1930—LOT 70 BLK 22, Montgomery & Rea Subd., San Jose. Fred A McCall to whom it may concern.....	March 20, 1930
March 22, 1930—60 ACRES ADJ LD of Babb Ft. Pueblo Tract No. 1, San Jose. Manuel O Santana et al to whom it may concern.....	March 21, 1930
April 2, 1930—SW 1/2 LOT 9, Epperly Half Acres, San Jose. Charles O Hainer to whom it may concern.....	April 2, 1930

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

April 2, 1930—LOT 15 BLK 7, Resubd of Palm Haven. Charles W Lannin to whom it may concern..... April 2, 1930

April 3, 1930—LOT 13, Myrtle Park, San Jose. Manuel J Seimas et al to whom it may concern. April 3, '30

April 4, 1930—LOT 36 Santana Subd San Jose. Rellie Williams et al to whom it may concern..... April 4, 1930

April 4, 1930—2 ACRES between San Jose-Milpitas Road and Central Pacific Railroad. Mary Louie to whom it may concern..... March 31, 1930

April 4, 1930—LOT 3 BLK 81, Breck Subd., Palo Alto. Ira D Whitaker to whom it may concern. April 3, 1930

April 4, 1930—LOT 9 BLK 1, Sub of Lots 1 and 3, Alba Park, Palo Alto. Herbert L and Chlo A Morgan to whom it may concern..... April 2, 1930

April 4, 1930—N 50 FT. LOT 1 BLK 111, Crescent Park, Palo Alto. Marjorie S Price to whom it may concern..... March 31, 1930

BUILDING CONTRACTS

MONTEREY COUNTY

RESIDENCE

LOT 35 BLK 201, Monterey Peninsula Country Club, Monterey. All work for one-story seven-room concrete residence.

Owner—Charles T. Nounan, Monterey Peninsula Country Club, Monterey

Architect—W. O. Raiguel, Del Monte Hotel, Del Monte.

Contractor—Niles Bain, Casanova St., Carmel.

Filed April 3, '30. Dated Mar. 29, '30. On or about 5th of each month 80% Completion..... 80% Usual 35 days..... Final

TOTAL COST, \$10,500

Bond, \$—, Surety, —, Limit.

Forfeit, none. Plans and specifications filed.

HOTEL

GABILAN ST., between Main St. and Monterey St., Salinas. All work for three-story concrete hotel

Owner—Walter and Leona Webling, Salinas.

Architect—Wesley W. Hastings, Tyler St., Monterey

Contractor—M. J. Murphy, Inc., Monte Verde and Ninth Sts., Carmel.

Filed April 8, '30. Dated April 3, '30. Concrete poured to 2nd floor.....\$3000 Roof on..... 5000 Rough plastering completed..... 4000 Completion notice filed..... 10500 Usual 35 days..... 7500

TOTAL COST not to exceed \$42,600

Bond none. Limit, 120 working days. Forfeit, none. Plans and specifications filed

STORE

KING CITY. All work for concrete store building.

Owner—Mr. and Mrs. Leslie Hables, King City

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Contractor—Fred McCrory, 506 Fremont St., Monterey.

Filed April 3, '30. Dated April 1, '30. As work progresses..... 75% Usual 35 days..... 25%

TOTAL COST, \$5275

Bond, \$5275. Surety, The Century Indemnity Co. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

RESIDENCE

S SEVENTEEN MILE DRIVE, Pebble Beach. All work for two-story concrete residence.

Owner—Mr. and Mrs. W. W. Holt, Pebble Beach.

Architect—James H. Mitchell, Willis Polk & Co., Hobart Bldg., San Francisco.

Contractor—Mattock & Feasey, 210 Clara St., San Francisco.

Filed Mar. 29, '30. Dated Mar. 26, '30. As work progresses..... 75% Usual 35 days..... 25%

TOTAL COST, \$26,755

Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
April 1, 1930—LOT 3 BLK 2, Sub-division known as Maple Park. John A Murphy to Wallace I Richmond.....	March 31, 1930
April 2, 1930—74 FT. LOT 12 and 10 ft. Lot 10 Blk 26, Map of Little's Survey, Monterey. William P Sweeney to William P Sweeney.....	April 1, 1930
April 4, 1930—LOTS 2 AND 4 BLK 109 Pacific Grove Retreat and the 1st 3 additions thereto. Harry & Camilla Leach to whom it may concern.....	April 4, 1930
April 5, 1930—NE 40 FT. OF SW 80 FT. of Lots 2 and 4 Blk 24, Little's Survey of New Monterey. Rita Tablazo to E H Sundberg.....	April 3, 1930
April 7, 1930—S CATTLEMAN'S Lane Blk No. 250, City of Salinas Monterey County Ice & Development Co to P T Wallstrom.....	March 29, 1930
April 7, 1930—LOT 8 BLK 63, Carmel-by-the-Sea. Robert Anderson to M J Murphy Inc.....	April 4, 1930
April 7, 1930—BEG N MAPLE ST at point of intersection on E boundary of Blk 13, Clara I Dexter's Subdivision, Monterey. Jos P Gomes to whom it may concern.....	April 4, 1930
April 8, 1930—LOT 1 BLK 9, Homestead Adcn to Salinas City. Mazie Sullivan to whom it may concern.....	April 7, 1930

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
April 7, 1930—STOCKTON. California Water Service Co to Shulman-Conroy Painting Co (painting and cleaning outside of 200,000 gal steel tank).....	April 4, 1930
April 4, 1930—LOT 20 BLK 28, Sub-division No. 2, Tuxedo Park, Stockton. E Merlo to whom it may concern.....	March 29, 1930
April 4, 1930—LOT 12 BLK 85, East of Center St., Stockton. George Finkbohner to John Cavanagh.....	March 26, 1930

BUILDING PERMITS

RICHMOND

COTTAGE, 5-room frame and plastered and detached garage, \$3900; N Solano St., bet. Lassen and McLaughlin Sts., Richmond: owner, Peppin & Johnson, 1128 Macdonald Ave., Richmond.

LECTURE and sales room, frame, 30x70 ft., \$2500; N Murdock St., bet. 25th and Bissel Sts., Richmond: owner and contractor, C. P. Murdock Co., 1440 Broadway Oakland architect, Hamilton Murdock, Syndicate Bldg., Oakland.

COTTAGE, 4-room frame and plaster and garage, \$2200; W 38th St., bet.

Nevin and Barrett Aves., Rich-F. Farley, 2808 Webster St., Berkeley.

RESTAURANT, frame, 25x36 feet, \$1600; W Tenth St. at Dock, Richmond; owner, J. L. Deatsch, 257 7th St., Richmond; contractor, J. F. Childs, 107 Edward Ave., Richmond.

COTTAGE, 5-room frame and plastered and detached garage, \$3500; N Solano St., bet. Lassen and McLaughlin Sts., Richmond; owner and contractor, Peppin & Johnson 1128 Macdonald Ave., Richmond.

COTTAGE, 5-room frame and plastered and detached garage, \$4500; E Key Blvd. bet. Roosevelt and Drumm Sts., Richmond; owner, David Dryden, 1518 Solano Ave., Albany.

FACTORY, brick and steel, 25x110 ft., \$4000; E Eighth St., bet. Chandler St. and Santa Fe R. R., Richmond owner, Standard Fixture Co., 1 Ninth St., Richmond; architect, R. F. De Sanno, 337 17th St., Oakland.

RAISE 5-room frame cottage for basement garage, \$1000; No. 581 Third St., Richmond; owner, R. Borda, Premises; contractor, W. Green, 2027 Gaynor St., Richmond

BUILDING CONTRACTS

SONOMA COUNTY

BANK & POST OFFICE LOT IN FORESTVILLE. All work for one-story frame building, bank and post office.

Owner—Thomas Silk, Forestville.

Architect—None.

Contractor—Alfred Carlson, Buena Vista, Calif.

Filed Mar. 26, '30. Dated Feb. 24, '30. Ready for roofing.....\$1000 Completed and accepted..... 1100 Usual 35 days..... 1150

TOTAL COST, \$3150

Bond, none. Limit, April 10, 1930. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

STOCKTON

RESIDENCE, \$5300; 1235 W Elm St.; owner and builder, H. Isenberger, 425 E Magnolia, Stockton.

SERVICE Station, \$4000; 2303 Pacific Ave.; owner, A. J. McPhee, 520 E Oak St., Stockton; contractor, Fay Zinds.

GARAGE, public, \$2100; 525 N Sacramento; owner, Gloria Ice Cream Co., Oak and Aurora, Stockton.

ELECTRIC sign, \$1500; No. 337 E. Main St., Stockton; owner, M. Friedbier, 339 E. Main St., Stockton; contractor, Grider Electric Co., 409 E. Weber St., Stockton.

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 3-room, \$3000; No. 2124 U St., Sacramento: owner, C. K. McClatchy, 2112 22nd St., Sacramento; contractor, F. Maloney, 3172 T St., Sacramento.

RESIDENCE, 7-room, \$7000; No. 3501 Curtiss Park Drive, Sacramento: owner & contractor, E. A. Corum, 2665 Donner Way, Sacramento.

RESIDENCE, 6-room, \$6500; No. 541 35th St., Sacramento: owner, Geo. Townsend, Del Paso Heights, Sacramento.

RESIDENCE, six-room, \$4800; 1713 Berkeley Way; owner and builder, O. M. Froling, 1625 40th St., Sacramento.

RESIDENCE, 7-room, \$4500; 401 34th

St.; owner, John Dandretta, 4905 K St., Sacramento.
RESIDENCE, 5-room, \$4900; 936 47th St.; owner, Edw. Parenti, 1905 C St., Sacramento; contractor, Jos. Pesce.

REPAIRS, general, \$1000; No. 2138 Third Ave., Sacramento; owner, Dr. Roy Jones, Premises.

REPAIRS, general, \$1600; No. 919 33rd St., Sacramento; owner, James Bancroft, Premises.

RESIDENCE, 5-room, \$3500; No. 2608 59th St., Sacramento; owner, Rodney Blake; contractor, C. G. Gardner, 1515 29th St., Sacramento

GARAGE, private, \$90,000; No. 2401-2415 S St., Sacramento; owner, P. T. & T. Co., 1414 K St., Sacramento; contractor, MacDonald & Kahn, Financial Center Bldg., San Francisco.

STATION, service, \$2500; No. 2300 J St., Sacramento; owner, Joe Gilovich, 2308½ J St., Sacramento.

STATION, service, \$4700; No. 2030 Ninth St., Sacramento; owner, Mrs. J. S. Remick, Senator Hotel, Sacramento.

REPAIRS, general, \$1645; South Side Park, Sacramento; owner, City of Sacramento; contractor, C. J. Hopkinson, 1510 28th St., Sacramento.

RESIDENCE, 5-room, \$4000; No. 1124 Perkins Way, Sacramento; owner, Land Drive Terrace, 819 J St., Sacramento

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
April 4, 1930—LOT 18, Wright Tct, Sacramento. Agnes G Morris to whom it may concern (2 completions).....	March 31, 1930
April 1, 1930—E 64 PT of S 20 ft of Lot 4, K and L, 3rd and 4th Sts. Amelia R Barnard to whom it may concern.....	March 25, 1930

April 2, 1930—LOT 63 W. & K. Industrial Tract, Sacramento. Louis A Beyer and Edgar C Anderson to whom it may concern.....

April 7, 1930—LOT 54, Beyerford Heights, Sacramento. Jas Robert Estes to whom it may concern.....

April 7, 1930—LOT 14, Grant Terrace, Sacramento. A F Luckan to whom it may concern. April 4, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
April 4, 1930—LOT 156, Boulevard Park, Sacramento. A Borchard (as Sacramento Hardwood Floor Co) vs Clarence H and C E Smith.....	\$364
April 4, 1930—LOT 156 Boulevard Park known as 613-615 21st St., Sacramento. Gertrude French (as Alhambra House & Window Cleaning Co) vs Clarence H Smith and Paul R Opdyke.....	\$17.50
April 2, 1930—LOTS 23 & 24 West Colonial Heights known as No. 4123 Stockton Blvd., Sacramento. Dolan Bldg Material Co vs Peter Thomas et al.....	\$609.61
March 31, 1930—LOT 156 Boulevard Pk, Sacramento. Schneider, Chapell & Jones vs C E and Clarence H Smith.....	\$154.89
April 2, 1930—LOT 156 Boulevard Park, Sacramento. C C Neff (doing business as) Capital Roofing & Supply Co vs C E and Clarence H Smith.....	\$650

April 2, 1930—E½ LOT 7 K and L, 17th and 18th Sts., Sacramento. Dallman Supply Co vs Frank Quadros, owner (John Cassandro, remond; owner and contractor, C. cord owner).....\$179.55
April 7, 1930—LOT 156 Boulevard Park, Sacramento. A Gustafson and H H Gilbert (as Sierra Mill) vs Paul R Opdyke; C E Smith and Clarence H Smith.....\$28.87

BUILDING CONTRACTS

FRESNO COUNTY

FLOORING
SECTION 25, 10-14, Fresno. All work for installing flooring in cookhouse at main camp.

Owner—Standard Oil Co., Mattei Bldg. Fresno.

Architect—None.
Contractor—Sinclair-Wolfe Co.

Filed April 3, '30. Dated Mar 20, '30.
On completion.....75%
Usual 35 days.....Balance

TOTAL COST, \$1112
Bond, \$1112. Surety, Fidelity & Casualty Co. of New York. Limit, 7 days. Forfeit, plans and specifications, none

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$2900; No. 1528 Tulare St., Fresno; owner, L. M. Schwartz, Premises; contractor, Ed. Tribble.

SIGN, \$1800; Van Ness and Tuolumne Sts., Fresno; owner, Appleing & Rodman, Premises; contractor, Inland Light Co., 814 Fulton St., Fresno.

Shop, \$11,000; No. 402 Broadway, Fresno; owner, A. K. Yezjian; contractor, W. T. Harris, 577 McKinley St., Fresno.

LUNCH stand, \$1800; No. 1224 Belmont Ave., Fresno; owner, Jake Krajian, 1236 Belmont Ave., Fresno.

ALTERATIONS and additions, \$1000; No. 1561 E St., Fresno; owner, S. C. Hannibal, Premises.

DWELLING, \$6000; 1241 Poplar Ave.; owner and builder, E. G. Byrd, 432 W Yale St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
April 4, 1930—N ½ OF S ½ LOTS 1 and 2, Comy Place, Fresno. W E Robinson to whom it may concern.....	April 3, 1930

April 4, 1930—N ½ OF NE ¼ OF NW ¼ of Section 22, 14-21, Fresno. B Poochigian to G Terzian.....

April 5, 1930—LOTS 3 AND 4, High Addition Annex No. 1, Fresno. E G Byrd to whom it may concern.....

April 7, 1930—LOT 20, Elmore Terrace, Fresno. E G Byrd to whom it may concern.....

OFFICIAL PROPOSALS

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M., on April 30, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications

therefor, to which special reference is made, of portions of State Highway, as follows:

Culosa County, between Williams and Maxwell (III-Col-7-B,C), about eight and three-tenths (8.3) miles in length, to be graded.

Culosa County, between Bear Creek and five miles west of Williams (III-Col-15-D-E), about twelve and seven-tenths (12.7) miles in length to be graded

Monterey County, a timber bridge across Alcer Creek (V-Non-56-A), consisting of sixteen 18-foot spans on frame bents with concrete pedestals.

San Diego County, between San Onofre and San Clemente (VII-SD-2-D), about nine-tenths (0.9) mile in length, to be graded and paved with Portland cement concrete.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.
DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,
State Highway Engineer.

Dated April 2, 1930.

LEGAL NOTICE

STATEMENT OF OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

OF BUILDING & ENGINEERING NEWS, published weekly at San Francisco, California, for April 1, 1930, State of California, City and County of San Francisco, ss.

Before me, a Notary Public in and for the state and county aforesaid, personally appeared J. I. Stark and R. J. Rath, who, having been duly sworn according to law, depose and

SAYS that they are the owners of the BUILDING & ENGINEERING NEWS, and that the following is, to the best of their knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in Section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:
 Publisher, Stark-Rath Printing & Publishing Co., 547 Mission St., San Francisco.
 Editor, J. P. Farrell, 1258 39th Ave., San Francisco.

Managing Editor, J. P. Farrell, 1258 39th Ave., San Francisco.
 Business Managers, R. J. Rath, 786 51st Ave., San Francisco, and J. I. Stark, 778 30th Ave., San Francisco.

2. That the owners are:
 R. J. Rath, 786 31st Ave., San Francisco.

J. I. Stark, 778 30th Ave., San Francisco.

A. R. Miller, 869 Trestle Glen Road, Oakland.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or securities are: none.

4. That the two paragraphs next above giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by them.

STARK-RATH PTG. & PUB. CO., Publishers.

R. J. RATH, Secretary.
 Sworn to and subscribed before me this 31st day of March, 1930.

(SEAL) CHALMER MUNDAY,
 Notary Public in and for the City and County of San Francisco, State of California.

(My commission expires Oct 25, 1933)

STREETS AND HIGHWAYS

ROSEVILLE, Placer Co., Cal.—J. M. Adams, Roseville, at \$264.75 awarded contract by city trustees to construct sidewalks in Park Drive. Other bids: John Rastles, \$260; Andro Lezenich, \$288.75.

MENLO PARK, San Mateo Co., Cal.—Peninsula Paving Co., Call Bldg., San Francisco, at \$64,518 submitted low bid to city trustees to improve portions of College Ave. and Cambridge Ave., involving grading; comb. hyd. conc. curbs and gutters; pave with 3-in. asph. conc. surface on 4-in. waterbound macadam base; 4-in. vit. pipe sewer laterals; hyd. cem. conc.

storm water sewer. 1911 Act. Bond Act 1915. Complete list of bids follows:

Peninsula Paving Co., Redwood City \$64,518
 S. M. McGaw, Stockton 66,210
 L. A. Batchelder, San Francisco 67,766
 Union Paving Co., S. F. 72,503
 A. G. Ralsch, San Francisco 72,970
 Hanrahan Co., San Francisco 76,085

Bids taken under advisement, pending outcome of an injunction against the work filed by property owners.

CHICO, Butte Co., Cal.—Until April 15, 8:15 P. M., bids will be received by H. H. Hume, city clerk, to furnish and deliver 100,000 gallons of road oil. Certified check 10% required with bid. Specifications obtainable from Martin Polk, City engineer.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street. Phore KEarny 1252.

D-3433—Sales Connection. Dayton, Ohio. Partner, handling sales, in substantial manufacturing concern at Dayton, Ohio, wants sales connection for other lines to sell in Ohio and Indiana. Already has excellent connections with best department stores. About two-thirds time available.

D-3434—Agency. Sausalito, Calif. Party interested in contacting eastern firm to represent as Pacific Coast representative. Desires exclusive agency.

D-3436—Distributor or manufacturers' Agent. Seattle, Wash. Firm anxious to secure distributor for combustion chamber and valve lubricator prefeasible leading hardware and automobile distributing companies.

D-3437—Wallpaper Removing Machine. South Bend, Ind. Manufacturers of a wallpaper removing machine are interested in securing manufacturers' agent or jobber in this territory to handle their machine.

D-3439—Distributor. Detroit, Mich. Company seeking to obtain a distributor in San Francisco for mechanical device for opening garage doors.

D-3440—Electrical Condensers. New York City. Manufacturers of electrical condensers used as part of radiators, electric motors used for interference elimination and power factor correction is interested in securing adequate sales representation in San Francisco.

19091—Hop Harvesting Machinery. Brussels, Belgium. Organization is seeking information regarding manufacturers of labor-saving machinery used in California in harvesting hop.

19092—Western Hemlock. San Francisco, Calif. A firm in the Netherlands is interested in making a connection with an exporter of western hemlock who is not already represented in the Dutch market.

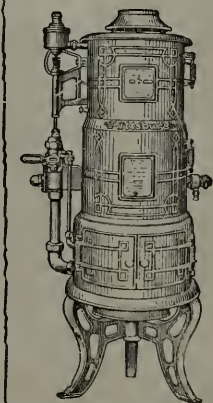
19097—Laboratory Glassware. Schmiedefeld, Germany. Manufacturer of thermometers and laboratory glassware wishes representative.

19098—Machinery. Wiehe, Germany. Manufacturer of special machinery for making carbon paper and typewriter ribbons wishes connections.

20000—Distributor. New York, New York. Importer of a trademarked bathing preparation is seeking a man or woman to act as sole distributor in San Francisco.

20009—Crockery. San Juan, Porto Rico. Party wants to import Japanese & Chinese crockery, especially plates, cups and saucers, from local dealers in crockery.

20014—Representation. San Francisco, Calif. Party who is returning to the Orient in a few weeks wishes to communicate with firms that are interested in establishing their lines in the Oriental market. He is especially interested in chemicals, paints, glass and building hardware.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

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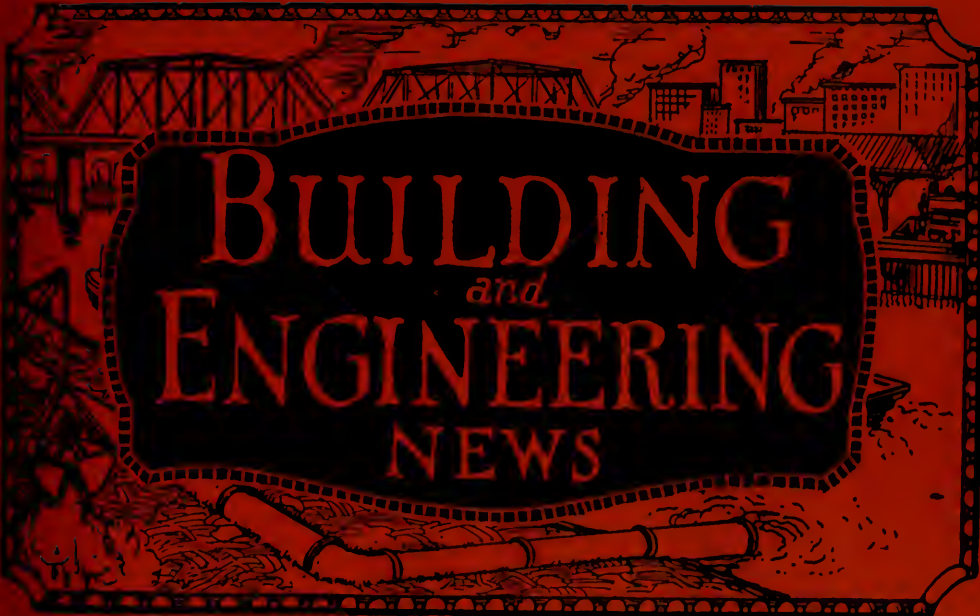
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BUILDING *and* ENGINEERING NEWS



Publication Office
Mission Street

SAN FRANCISCO, CALIF., APRIL 19, 1930

Thirtieth Year, No. 16
Published Every Saturday

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO

Phone KEarny 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

APPROACH PLANS FOR G. G. BRIDGE APPROVED

Plans for approaches to the proposed Golden Gate bridge have been approved by the directors of the Golden Gate Bridge and Highway District. There will be two approaches to the bridge on the San Francisco side. They will be directly through the Presidio. One will connect with the Park-Presidio boulevard at Lake street; the other will connect with the Marina boulevard at Lyon street.

A series of underpasses and overpasses will be provided at all crossings in the Presidio.

On the Marin side one approach will travel 7390 feet through the Fort Baker reservation, following close to the crest of the hills and connecting with the Redwood highway about three miles north of Sausalito.

The second approach will follow along the present Fort Baker road from Sausalito. The laterals will be 60 feet wide with 8 foot shoulders.

The plans and specifications for these approaches must be submitted to the War Department for approval because they pass through military reservations. Joseph B. Strauss, chief engineer, is in Washington, D. C., and will present the plans to the War Department next week.

Strauss will also request permission to erect a toll house or toll houses and parking plazas at the ends of the bridge.

A request that an approach be constructed to connect with the Shore Line highway at Sausalito Beach, involving a 9½-mile roadway and costing \$750,000, was taken under advisement.

A committee consisting of Supervisor Fred Suhr of San Francisco and Casper Gardner, A. H. Upton and J. B. Platt, all of Marin county, requested this approach.

The directors appropriated "up to \$1000" for "a destination and point of origin" traffic survey to be made of trans-gate commuters by the State Railroad Commission.

PACIFIC COAST GETS N. E. L. A. INDUSTRIAL HEATING SCHOOL

Arrangements have been completed for holding the 1930 National Electric Light Association Industrial Heating School on the Pacific Coast this year rather than in Detroit or some other Eastern city, according to Electrical West. Because the N. E. L. A. convention will be held in San Francisco it will be possible to recruit a staff of instructors and lecturers for conducting the school from those who will come to the Pacific Coast to attend the convention.

The school will be held in two sections, the first in Los Angeles from June 2-11, inclusive, and the second in San Francisco on June 12 and 13. One of the features of the school will be a series of inspection trips to plants in this section where industrial heating installations have been made.

STOCKTON TO BUILD \$1,500,000 POWER PLANT

W. B. Hogan, city manager of Stockton, has filed application with the State Department of Public Works, Division of Water Rights, seeking a permit to divert water and develop power from the Calaveras River in Calaveras County for municipal purposes.

A plant costing \$1,500,000 and including a concrete dam, 1450 feet long and 144 feet high is contemplated. The proposed plant will develop 2550 horsepower, which is to be used for municipal light and power purposes. Two hundred cubic feet of water per second would be diverted from the river directly without storage and in addition a reservoir with a capacity of 65,500-acre feet would be constructed with a capacity of 163,000 acre feet. Work on the dam, which is part of a flood control project, was started last July and is to be completed within five years.

For a municipal water supply the city asks a permit to take fifty cubic feet per second from the river which will be carried through a forty-two inch pipe line 100,000 feet long to the city for distribution. Estimated quantities of water to be used by the city range from 18,000,000 gallons per day this year to 61,600,000 gallons per day in 1960.

Architects' Association To Publish Contract Documents

Publication of contract documents applicable to the state of California are assured by action taken at the semi-annual meeting of the executive board, Northern and Southern Sections, State Association of California Architects, held last week in Los Angeles.

The special committee composed of Lester W. Hurd, Edwin Bergstrom and Myron Hunt reported that an agreement had been made between the State Association of California Architects and the American Institute of Architects, whereby the latter would undertake to publish a set of contract documents applicable to the state of California. The agreement between the State Association and the Institute was approved by the board. An attorney will be employed and arrangements will be made at once to commence the preparation of these documents which, it is felt, will be of valuable assistance to the architects and building contractors profession of this state.

The chairmen of the various standing committees reported that the activities assigned to their respective committees were being carried out and they all hoped to have a very complete report ready for the convention to be held in Del Monte, October 10 and 11.

WALL PAPER INDUSTRY STAGING A COMEBACK

The wallpaper industry, already showing an annual business volume of well over \$250 millions, is developing a very definite upward trend, according to The Business Week.

Orders for 23,161,000 more rolls were received during the 6 months ending March 1 than in the corresponding period of the previous year, and production increased 10,761,000 rolls. A slight increase in price was obtained. This favorable showing is largely credited to the use of a certification of quality label adopted by the Wallpaper Association of the United States and printed on the back of each roll. Legally approved in August, 1929, the label has already been adopted by all but three or four manufacturers.

Attention of the consumer has been attracted to the new range of modernized wallpaper patterns by the judicious use of an advertising appropriation of \$250,000, and an additional \$100,000 for educational purposes.

"The vogue of the painted wall put the American industry far behind the industries of France and Great Britain, both in volume and in artistic merit," said E. D. Belknap, executive vice-president of the Wallpaper Association. "We're staging a comeback. We're putting style and quality into the product. The new guarantee label has restored confidence. To some extent, the evils of the trade, as much as the painted walls, hurt the industry. Lack of new designs, poor quality of paper stock, colors that faded, hurt the industry. Since August 4, 1929, it has cost the industry hundreds of thousands of dollars to replace the fadeable patterns with permanent colors, but fully 90% of the wallpapers now pass the test and obtain the right to use the new label.

"At the start, dealers refused to carry the papers guaranteed for two years on the wall. They wanted quick replacement merchandise, consequently they lost their public. Now, however, most of them are glad to pay a slight increase for the better quality papers, with no increase to the consumer. Between smarter patterns and guaranteed colors, the dealer is regaining his public."

Patterns specially designed to match architecture are a feature of the new wallpaper campaign.

Promotion plans of the industry include advertisements in half a dozen popular magazines, a tour of the country by cooperative field agents, who will spread educational propaganda among dealers, architects, and decorators.

A certificate of the increase of capital stock of the Homer T. Hayward Lumber Company has been filed at Santa Cruz. The increase will be from \$250,000 to \$500,000, divided into 5000 shares. The assent was given by the stockholders, Homer T. Hayward, Mrs. Maud A. Hayward, Arthur C. Hayward, C. H. Griffen, Jr., and Mrs. C.

MAKE CONSTRUCTION ALLURING TO YOUTH SEEKING START IN LIFE

Seven general contractors at the convention of the California State Builders' Exchange at Long Beach said they had no mechanics in their employ under 30 years of age. One contractor estimated the average age of skilled workers in the building trades at 55 years. These statements may represent an extreme of the situation in the building crafts, but they indicate the seriousness of the problem with which the construction industry will sooner or later have to cope. The building trades evidently are no longer attractive to the average youth. Most boys with a mechanical bent want to be electricians or automobile mechanics. Too many aspire to white collar jobs, the contractors complain.

What can be done to make the building trades more alluring to ambitious youth? That is a question that must be taken up and considered seriously at no distant day. Machinery has solved the labor problem in some industries. But there are many things which cannot be done by machines, even though they may appear to operate with almost human intelligence; and this is particularly true in the construction industry. Human understanding and judgment are essential as well as mechanical skill. Welding a trowel, a hammer or saw may appear to be simple task. But without brains to direct their use, these may be made implements of waste or destruction as well as construction.

At one time the apprenticeship system served to keep the ranks of all skilled trades filled. The trade was handed down from father to son and the apprentice was content to receive the cost of his keep. But boys are no longer satisfied with meager wages that apprentices formerly received and contractors are loath to pay what they consider more than apprentice services are worth. Besides construction as a rule does not offer continuity of employment to the extent that prevails in some other industries, and it offers no sinecures.

The present is far more important to the average boy today than the future. What his father did is no precept for him. He sees what he thinks and believes to be shorter cuts to lucrative employment. And it is a common and not an unnatural failing for the father to wish his son a better lot than has fallen to him. So the youth is encouraged in his desire to seek another vocation and particularly one that promises quicker and more attractive rewards. But he generally finds that wherever his energies are directed his progress is measured by his ability to take advantage of his opportunities and that there is no primrose path to success.

Analyzing the problem of thinning ranks in the building trades it is difficult to absolve those engaged in the construction industry from a certain responsibility for it. Too many contractors lack the faith which they should have in their own business. They complain of their inability to get ahead. Too many are struggling to make a mere living in it, they are prone to say, and there are no opportunities within the range of their vision. The more they talk and think about it the worse it looks to them and they spread pessimism and gloom. Finally they are firmly convinced that if they had gone into some other business and worked half as hard and put in half as much time they would have been much better off, if, indeed,

The matter of training apprentices in the construction industry is a problem for consideration in every section of the country. In addition to institutions which charge a fee for preliminary training in the construction trades, many schools have been established in various parts of the United States by union labor organizations, by Builders' Exchanges and other associations having a direct connection with the construction industry.

The training of apprentices is a serious problem. A thorough system of training first class mechanics, undoubtedly, remains to be worked out.

What can be done to make the building trades more alluring to ambitious youth?

The problem is discussed by Southwest Builder and Contractor (Los Angeles) in the accompanying article.—Editor.

they had not made a real success.

If those engaged in the contracting business have no faith in it and are constantly harping on the difficulties which beset it and the lack of opportunities, how can they expect ambitious boys looking about for a start in life to think well of it? Why should a boy be asked to even consider a vocation in which there is no hope for him to progress? And why should he waste the days when he should be laying the foundation for better things to come without any immediate adequate compensation, to say nothing of the future?

As a matter of fact, there is no better or more honorable field of endeavor than construction. Everyone that lays a hand to it is contributing to the welfare of his fellowmen, adding to the wealth of his country and creating monuments to his industry and skill. Conditions in the construction industry are far from being ideal, or even what those most easily satisfied could wish them to be. But this industry has no monopoly on the ills that those engaged in it most complain of—irresponsible and dishonest competition, unfair treatment, price cutting and lack of opportunities. These ills belong to most, if not all, other industries in greater or less degree. And those engaged in any one of the other industries probably consider they are not as well off as those engaged in construction.

We sometimes wonder if contractors take their business as seriously as they should. It's an old, old gag that no one ever gets a contract except by making a mistake in his bid. But does the contractor really feel that way about it? Does he honestly believe his business is only a gamble, as he is so fond of saying? If he doesn't consider that his estimate is sometimes right when he gets a job and that his knowledge, experience and skill are important in his business, does he have the right mental attitude toward it?

When those engaged in construction begin to show a little more faith in their business, talk less of their individual troubles and make more of their opportunities—yes, and sacrifice a little more for the common weal—then they will be on their way to make construction alluring to the youth looking about to get a start in life. And right there is where the re-

sponsibility of contractors lies in meeting the problem of thinning ranks in the building trades. Vocational education and apprentice schools, no matter how good they may be, will avail little in the solution of the problem, unless the boy seeking a trade can be convinced that construction is at least on a par with other industries in its present and future opportunities.

EASTERN DIAMOND ADVISES ON G. G. BRIDGE PROJECT

Editorial in Engineering News-Record

Completion of test borings and other preliminaries for the proposed Golden Gate bridge has at last made available the data required for locating the piers and definitely estimating the cost of a structure having the unprecedented span of 4200 ft. Opposition from taxpayers who objected to the financing plan has been fought through the courts and finally decided by the federal Supreme Court in favor of proponents of the bridge. There remains the major problem of raising the money with which to build the bridge. Voters of the Bridge and Highway District—which includes six counties but places 85 per cent of the total assessment in San Francisco—are to be asked, probably late next summer, to approve a bond issue of \$30,000,000 for construction costs. Toll revenue from automobile traffic is expected to pay operating costs and refund the first cost. Engineers are interested quite as much in the financing program as in the technical phases of the project, and since their opinions have influence on popular voting in matters of this kind, it would be good strategy on the part of proponents of the Golden Gate bridge to find means of making sure that the project is presented in the right light to the local engineers. Two years ago an adverse attitude existed among San Francisco engineers, and such an attitude would not be helpful in a major bond issue campaign that requires a two-third vote. In its technical aspects the project is distinguished by proposing the first long-span bridge in proximity to an active earthquake rift. Its location is roughly parallel to and about six miles from the San Andreas fault, whose movement caused the destructive San Francisco earthquake of 1906. Such a condition obviously raises the most interesting question as to tower stiffening and as to the effect of a major shake on towers, cables and suspended structure. As to costs, men of excellent repute in the bridge-building field say that a suspension bridge can be built as planned within the over-all cost estimate of \$30,000,000, a surprisingly low figure. Larger sums are spent on many public projects with less argument and litigation than have attended this one. Hence detail questions of cost are less important now than diplomacy and the cultivation of the right public attitude toward the project.

Painters' Union of Hanford, Calif., comprising 25 members, has voted to adopt the five-day week schedule. The short week will go into effect at once and will not involve any increase in wages.

400,000 HOMES ANNUALLY HELD OF U. S. SAYS CONFERENCE CHIEF

Need of more and better homes, 400,000 of which will have to be built annually if we are to keep pace with population growth and the present standard of living, is stressed in a discussion of construction as "the balance wheel of industry," by Edward Eyre Hunt, secretary of the President's Conference on Unemployment, in a summary of recent economic changes in the United States which has just been issued under the title "An Audit of America."

In the four years before we entered the World War there was an average construction of 209 square feet per person added to the population," observes Mr. Hunt. "The post-war boom not only wiped out any shortage created by the war but raised the average to nearly 221 square feet. The next two years showed a low construction record, but beginning with 1923, persistent upward movement began, and by the end of 1927 the average residential construction per person added to the population was more than 236 square feet."

"The volume of construction during the war and immediately afterward apparently was not seriously below normal requirements."

"If we take 1916 as showing neither a deficiency or a surplus, the accumu-

lation above normal requirements reached 1,411,000,000 square feet of floor area in 1927, enough at the present rate of 220 square feet per person, to accommodate a surplus in population of about 6,400,000. But that does not mean an oversupply since much of the old type of housing has become obsolete and standards are constantly advancing."

Mr. Hunt's summary is based on the facts contained in a report and survey issued last spring in which the need of 400,000 additional homes annually, and the demand for better homes were emphasized. The desire of families to live in more satisfactory surroundings was found to be the force behind the large home-building program.

The survey was conducted by the National Bureau of Economic Research and dealt with the whole economic situation in the United States during the post-war period. In his summary, Mr. Hunt refers to the National Bureau's survey as "a description of the levels on which the American people live." The survey with an interpretive report was made public by the Commerce Department. Economic changes of which President Hoover was chairman when he was Secretary of Commerce.

ESSENTIAL POINTS ARE CITED FOR WIDENING HOME OWNERSHIP

The establishment of the first committee ever to represent and act for all groups included in the nation's building industries will be an important result of the recent Chicago meeting of the National Building Survey Conference. A resolution passed at the conference authorized the appointment of a small committee of key men in the building industries who will take under consideration the naming of a larger committee, whose membership will constitute a true cross-section representative of all of the many interests which go to make up the building industry. This committee will have the power to act on the various matters brought before the National Building Survey Conference.

Out of the conference likewise came a clearly defined statement of the four major problems which must be solved to facilitate home ownership for the man of moderate means.

Backs Prudent New Building and Modernizing

The conference went on record as backing prudent new building and modernizing and as encouraging the release of money for mortgage investments.

The four points essential to the widening of home ownership, as brought before the meeting by the National Association of Real Estate Boards, were cited by Julius Barnes, chairman of the United States Chamber of Commerce and of the National Business Survey Conference, as eminently practical suggestions toward the successful progress of the nationwide movement to promote construction, now being advocated by President Hoover.

These suggestions, included in the address made by Leonard P. Reaume, Detroit, president of the National Association of Real Estate Boards, constituted a plea that the country's leaders in the construction and building industries should approach in a laboratory and research spirit the following four problems which face build-

ing and allied interests in this country today: (1) taxation; (2) the economic cost of land; (3) financial costs for homes, and (4) some method of economic standardization of building processes.

"At present 80 to 90 per cent of the local tax burden is borne by real property. Probably about 20 per cent of the expenditures of local governments are of direct benefit to real estate. This situation penalizes the home owner."

Suggests Changes in Junior Financing Laws

As a way of lowering the buyer's costs of home financing, Reaume stated that help might be looked for from the removal of certain restrictive laws which now exist in many states with respect to junior financing. Reaume announced that the United States Department of Commerce, recognizing this situation, has stated its willingness to start, with the National Association of Real Estate Boards, an investigation of such laws and how they could be changed in order to facilitate the flow of capital into the junior financing field.

E. J. Russell, St. Louis, a director of the American Institute of Architects, told the conference delegates that architects for the past two months have been feeling a renewed building activity which will soon express itself in terms of building permits. Lower cost levels prevailing in building materials account for this recent activity, according to Russell, who predicted that the building plans for which architects are making preliminary sketches will materialize and reflect on the building industry in all its branches within seven or eight months. Speaking as a representative of the country's architects, Russell reported that plans now in progress include all class of structures.

Hale Tells of Building and Loan Activities

Ernest Hale, Boston, president of the United States League of Building

and Loan Associations, outlined for the conference the activities of building and loan associations throughout the country. Hale brought out the fact that one-seventh of the population of the United States are now housed in structures financed through building and loan associations.

Fenton B. Turck Jr., New York City, chairman of the National Building Survey Conference, presided at the Chicago meeting. Turck reported a rapid flow of funds back into the real estate mortgage field. "This trend has been particularly noticeable in the last two weeks," he said. "Savings banks now have money flowing back into them. We are experiencing a return of interest rates to the classic six per cent. On March 21, \$200,000,000 was withdrawn from the call money market in New York by a group of small city bankers. This is an indication of the return of money to local centers."

Dr. Hugh Baker, head of the department of trade associations of the United States Chamber of Commerce, addressed the conference on the necessity for organized effort on the part of the building industries.

In speaking of the work which the conference committee representing building industries will be able to accomplish, Julius Barnes expressed his belief that results could be far reaching. "Such a committee can work toward again making home ownership the prime interest in the life of the man of average means, so that this interest will be placed before short lived luxuries in expenditures of income," Mr. Barnes said. "The purpose of your committee should be a unified direction of all industries concerned in the whole business of building."

S. F. MAN NAMED MEMBER OF IRRIGATION AID BOARD

Charles E. McLean, San Francisco banker, has been named a member of an irrigation-reclamation financing commission appointed by Governor C. C. Young. The committee is expected to help stabilize irrigation and reclamation projects affecting the Sacramento, San Joaquin and Imperial valleys. The board will report to the next legislature.

Others named are: Will C. Wood, state bank superintendent; Attorney General U. S. Webb and State Engineer Edward Hyatt, Jr., all members of the irrigation bonds certification committee; Charles L. Childers, for many years attorney for the Imperial irrigation district; W. P. Jeffries, Los Angeles broker, and Fred W. Kiesel, Sacramento banker.

Arco Co., Cleveland, Ohio, will build at Los Angeles, three brick buildings totaling 16,500 sq. ft. of floor space to house a paint manufacturing plant, a lacquer plant and varnish plant. The new factory will be known as the Arco Company Ltd., of California, and will be under the general direction of Howard Wise. Howard Raeney will be general sales manager, and E. B. Hagar, who has been manager of the San Francisco branch, will be made district manager with headquarters in Los Angeles.

Construction that will involve an expenditure of \$4,500,000 will be undertaken at the Trona, San Bernardino county plant of the American Potash and Chemical Corp., according to word from Philadelphia, headquarters of that concern. The contract for construction is said to have been awarded to the United Engineers and Constructors, Inc., of Philadelphia. The Trona plant is located just over the line from Kern in San Bernardino county.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

"During 1930 the building and loan associations of the country will be of tremendous assistance in bringing about more stabilized financial conditions, due to the conservative manner in which they are handling the savings of more than 12,000,000 of the citizens of the United States, for the people of this country are turning again to the old investment standards and are giving more consideration and thought to the essentials of safety and availability of their funds and the worthwhileness of the interest return," says J. M. Abbott, president of the California Building-Loan League.

"The first essential, that of safety of the money saved or invested, is of greatest importance, and the record of building and loan associations of the country is notable in this regard. The percentage of loss to the total resources of 1928, the last available figures, being .0071 per cent, an infinitesimal amount in comparison with the total resources of over \$8,000,000 entrusted to these institutions. The second essential, that of availability of money invested, has always been an outstanding feature of this type of investment, while the third essential of a worth while interest rate is a continuing inducement for people to save and invest in these associations.

"The security of the associations, their investments being based to a great extent on mortgage loans, is one of the best to be found anywhere and the borrower on such security has an exceptional form of mortgage, in that he is sure of the permanence of his loan, subject to his ability to meet the small amortization payments, making this form of home financing mortgage the most attractive to be found and of very real help in acquiring a home.

"With over 90 per cent of their total resources invested in mortgage loans on dwelling properties, the building and loan associations of the United States will continue to be of great assistance in furnishing funds to those seeking to build or buy homes of their own, and the attractiveness for the investment of funds of the shares of these associations will continue to draw more and more funds to these institutions as the great benefits of this form of saving and investment and home owning plan becomes better known."

The rapid progress being made in the establishment of local credit bureaus as part of the plan of the Associated General Contractors of America for the stabilization of credit in the construction industry will be a major subject for discussion at the executive board meeting of that organization in Washington, April 28. The loose credit practices that have hitherto prevailed are held by contractors to be largely responsible for the occasional rendering of inadequate construction service to owners and for the enforcement of double payments from owners under existing lien laws.

Frozen, uncollectable and past due accounts that have resulted from loose credit policies are estimated by the contractors' association to run well over \$200,000,000 annually and are considered to be one of the factors contributing to unsatisfactory conditions in both the construction industry and in general business.

The move of general contractors to stabilize credit is said to be receiving the enthusiastic support of organized building supply dealers, subcontractors, surety companies, financial institutions and other groups and is represented as being the first time in history that a group of buyers has proposed that more stringent credit terms be established.

In carrying out the plan contractors and supply houses join together in establishing standard credit terms. Regular monthly reports are submitted to a local credit bureau by all selling groups and delinquent accounts are consolidated and made available to all supply dealers connected with the bureau.

Among the cities reported as having most recently adopted this procedure in an effort to correct unsatisfactory conditions in construction, are: Milwaukee, Wis., Chicago, Ill., Grand Rapids, Mich., and Cincinnati, Ohio. Altogether some 45 cities are engaged in launching the credit stabilization plan which is expected to be effective throughout the country within another year.

The building industry in New Jersey is at a standstill as a result of an "uncontrolled epidemic" of cheap construction, C. V. R. Bogert of Hackensack, president of the New Jersey Chapter of the American Institute of Architects, declares in a statement urging the enactment of a law practically limiting the practice of architecture to registered architects.

Proposed legislation now pending in the New Jersey Assembly provides for the seal of a registered architect on all plans and specifications, excepting those for buildings or alterations costing \$5,000 or less, and structures directly connected with engineering work such as waterworks, power, heating, and sewage disposal plants. In referring to building conditions, C. V. R. Bogert says:

"The present conditions prove that building is a technical science and the public should be protected against its manipulation by unscrupulous persons. It is only natural that the building industry should now be retarded by the refusal of financial institutions to loan sufficient funds to allow building operations to be undertaken.

"Their confidence in this form of investment has been shattered. The only hope of restoring confidence and putting this important industry on a sound and lasting basis is to insist on proper plans and specifications for every building operation."

The general business outlook, according to the latest report of the Sieberling Research Corporation of Berkeley, is more promising for the western and southern districts of the United States than for most other sections. The studies of this service

have revealed that the business recession in many parts of the West and South was under way some months before it appeared in the industrial and manufacturing centers. The opinion is expressed that in those areas where the bottom has now been reached the outlook favors gradual recovery to a normal condition. Particularly is this true in the Twelfth Federal Reserve Dist., which includes California.

HERE — THERE — EVERYWHERE

Approximately 6000 students have been enrolled and are now taking the correspondence course in General Illumination being conducted by the Westinghouse Lighting Institute, Grand Central Palace, New York City, which has been made available without cost, to those interested in lighting.

Formation of the San Jose Contractors' Association to foster a movement to have all building done by home contractors, is announced by W. L. Howe, executive secretary of the Santa Clara County Builders' Exchange. A direct appeal is made to merchants to give preference to local contractors.

Validity of the city ordinances of Oceanside requiring contractors and subcontractors to take out a license and post a bond of \$1000 was upheld by the superior court of San Diego which sustained the building inspector of Oceanside in refusing to issue a building permit to E. L. Forney, who declined to comply with the license law.

New officers of the Los Angeles Hood Club are R. S. Osgood, Wheeler-Osgood Co., president; C. S. Estes, Los Angeles Wholesale Lumber Association, vice-president; J. E. Martin, California Lumber Merchant, secretary-treasurer. Carl D. Shufelt of the E. K. Wood Lumber Co. is the new vicegerent snark of Los Angeles district.

Highly satisfactory results have been obtained by the Paraffine Companies, Inc., in financing home owners in the matter of repairs, according to R. S. Shainwald, president of the company. This financing is done through the Residential Finance Company, a subsidiary conceived by Shainwald and his associated three years ago. The plan recently has been copied by eastern industrial corporations.

Plumbers of San Leandro seek revision of existing ordinances to place plumbing requirements on the same standards as are now in effect in larger cities. Requested changes include examinations for both master and journeyman plumbers, rigid gas inspection service and uniform regulations governing bonding of all contract jobs.

The Plumbing and Heating Industries Bureau with headquarters at Chicago, is assembling building code and plumbing code data on the principal cities of the United States for local governments interested in formulating new codes or revising existing ones. The uniform code of the Pacific Coast Building Officials' Conference will be used in connection with the work.

E. H. Galpin has been elected secretary-manager of the Industrial Association of Santa Clara County. Galpin succeeds the late W. A. Edwards as association executive. For six years he was manager of the Tilden Lumber & Mill Company, and for the last two years has been secretary of the Peninsula Lumbermen's Club with headquarters in Palo Alto. The Industrial Association of Santa Clara county was formed eight years ago for the purpose of promoting the American plan in industry.

TRADE NOTES

Floyd Helvie, formerly a member of the firm of Helvie & Hughes, has been appointed manager of the roofing and tile departments of the Bush Roofing Company at San Jose.

Little River Redwood Lumber Co. of Madera, has acquired a site at Chowchilla, Madera county, and will operate a branch yard. The site is 150 by 300-feet and is served by the Southern Pacific Railroad.

Oakland offices of the Redwood Manufacturing Company have been moved from 950 Aileen street to the ground floor of the Builders' Exchange Building, 354 Hobart Street.

Jos. E. Stevens Company, retail and wholesale dealers in paints, varnishes, lacquers and brushes, is occupying new and larger quarters at 2115 Broadway, Oakland. The concern was formerly located at 2031 Broadway.

J. W. Rice, said to represent manufacturing interests of Cleveland, Ohio, has purchased from the Pacific Alloy & Steel Company, a tract of 55 acres at Bay Point, Contra Costa County, and will establish a plant for the manufacture of porcelain and tile.

Pan Pacific Piling and Construction Company, operating a concrete pile manufacturing plant in Richmond, proposes to enter the concrete pipe field. The Richmond plant would supply the Northern California district while a plant in Los Angeles would serve the Southern section.

Roy M. Butcher of San Jose and Clarence A. Rylander of San Francisco have purchased the electrical business of Wagner Bros. at 53 South Second St., San Jose, and will operate under the name of Mission Electric Company. The new owners will carry a complete electrical line.

John Paglierio, former executive of the San Pablo Pottery Company and now operating the Technical Porcelain Works in Albany, Alameda County, announces plans to erect an industrial and domestic tile manufacturing plant in El Cerrito, Contra Costa County. A site with a 75 ft. frontage has been purchased for the plant which will represent an expenditure of \$20,000 including equipment.

G. W. Williams Co., Ltd., of Burlingame, has been organized with a capital set-up of 10,000 preferred and 10,000 common shares, all of no par value, to conduct a contracting and building business. The company has been authorized by the corporation commission to issue 5016 common shares to George W. Williams, president, in exchange for the business and assets; 2000 preferred and 2000 common shares at \$25 to the public and 1000 common shares for conversion when offered for preferred in the ratio of two preferred for one of common.

Building permits issued in March in 583 leading cities of the country showed a gain of 46 per cent over February, S. W. Straus & Co. reports. March permits totaled \$187,270,891 in value, and February \$128,043,217. The normal seasonal increase from February to March is 37 per cent.

ALONG THE LINE

Truscon Steel Company, Youngstown, Ohio, announces the appointment of Oscar W. Loew as a vice-president of the company.

The body of Charles A. Wagner, 39, San Francisco civil engineer, was found in a canyon in San Mateo county last Tuesday with a shot through his temple and revolver clutched in one hand. It is said he worried over financial difficulties. His wife and three children survive.

Claude M. Thompson, 48, partner in the firm of Thompson Brothers, paying contractors of Fresno and Santa Cruz, died at the Merritt Hospital in Oakland April 10. Thompson had been in failing health for the past year and discontinued active work last January. He was a native of Fresno.

Jason C. McCune, for the last three years connected with the trade extension and statistical departments of the West Coast Lumber Association at Seattle, is now attached to the Los Angeles office, 910 Architects' Bldg., and will assist lumber dealers in the south in promoting wider markets for use of west coast woods.

W. A. Pickering, president of the Pickering Lumber Company, operating plants in Tuolumne County and other sections of the United States, died in Kansas City April 15. Death was due to an internal hemorrhage.

Among Pickering's vast holdings are the plants in Tuolumne County, Altura and McDowell, in the northern part of the state, in Pickering, La., and Kansas City.

Members of the Fresno city council, due to a tie vote, are unable to select a city engineer to fill the vacancy caused by the resignation of A. M. Jensen, who entered private practice in San Francisco. C. C. Van Valkenburgh, Jr., and Jean L. Vincenz are the engineers seeking the position which brought about the tie vote.

Olof Anderson and Edgar C. Smith, the latter a deputy county surveyor, also seek appointment to the position.

Skyscrapers have become economic necessities in the cities of North America. Their growth and development constitutes an important part of the "Fact Book" just being issued by the American Institute of Steel Construction. In this volume, which represents an enlargement and modification of the report issued last year for the first time, will be found the most authentic list of tall buildings ever assembled. They include all the important buildings in all of the larger cities of the continent. Area, volume, and all the other important dimensions as well as height, are included in the survey of skyscrapers. The "Fact Book" also includes a directory of the steel constructors of North America, statistical record of the industry, bibliography, motion pictures, stereopticon slides and innumerable other handy facts of interest.

The American Institute of Architects announces the award of the Le Grun scholarship for 1930 to Joseph B. Wertz, of Durham, N. C. First honorable mention went to Richard J. Pearce, of Seattle, Washington.

Kawneer and Zouri

Complete Consolidation

Through an exchange of stock, based upon average earnings of each company during the past five years, an affiliation has been consummated between the Kawneer Company, of Niles, Michigan, and the Zouri Drawn Metals Company, of Chicago Heights, Illinois, it is announced by Charles M. Boynton, vice-president of the Kawneer Manufacturing Company of California, with headquarters at Berkeley.

No additional financing is contemplated as a result of this affiliation since neither company has any funded indebtedness. After giving effect to the affiliation, the capital structure will be solely represented by non par value stock of the Kawneer Company.

The combined resources will permit greater research in design and engineering with consequent improvement in marketing and production facilities.

There are no changes contemplated in the management or policies of either company. The Zouri Company will retain its own identity and continue to operate its plant in Chicago Heights, Illinois, and Mr. Lowell Chapin as President of the Zouri Company will be in charge. In addition the Messrs. Lowell and Henry Chapin will become directors of the Kawneer Company. The Kawneer Company will be represented on the board of the Zouri Company.

Business connections with either company will experience no disturbance in their contractual relations.

Unfilled Steel Orders

Show Increase in March

Unfilled tonnage orders of the United States Steel Corporation on March 31 showed an increase of 90,905 tons over the February 28 total.

Unfilled orders at the end of last month aggregated 4,570,653 tons against 4,479,748 on February 28, and 4,467,710 on January 31. The total for March 31, 1929, was 4,410,718 tons.

This moderate increase in tonnage was a pleasing surprise to Wall street, for in view of the rather slack demand in the earlier part of March little change had been expected and most forecasts indicated that slight decline was likely.

The steel corporation's back log of unfilled orders is now the largest since February of 1926. The total of 4,410,718 tons at the end of March, 1929, set a new high record for last year.

The present high tonnage, however, is due in a large measure to curtailed operations. The company's current operations are around 80 per cent of rated capacity, against 93 per cent at this time last year.

Rates on carload shipments of cement from Monolith, Cal., to Nevada and Utah points were called unreasonable and discriminatory by witnesses testifying last Wednesday in Los Angeles before Interstate Commerce Commission Examiner Witter. The hearing is on the application of the Monolith Portland Cement Company, which seeks relief from existing rates. Witnesses for the company asserted that rates of the Santa Fe, Southern Pacific and Los Angeles & Salt Lake railways, from Monolith into Utah and Nevada, are higher than similar carload rates of the same roads from Los Angeles and Colton.

PERFORMANCE RECORDS OF CONTRACTORS BEING LISTED

The encouraging manner in which public officials, architects, engineers, banks, manufacturers, dealers and surety companies throughout the country are co-operating with organized contractors in the effort to list the performance records of every contractor in the United States will be featured at the forthcoming Executive Board Meeting of the Associated General Contractors of America at Washington, D. C., April 28.

Through the efforts of the contractor's association and organized surety companies the Bureau of Contract Information, Inc., was formed last August in Washington, D. C., to investigate and establish the facts about the performance of contractors. The wholehearted co-operation which the other groups in the industry have given in this program is revealed by a recent study of the work of the bureau.

To date 2500 performance records and statements of contracts on hand have been secured from as many contractors throughout the United States. The investigation of the performance records of contracting concerns by the Bureau of Contract Information, Inc., is based upon the individual contracts performed rather than on a general investigation which would permit the omission from the record of such contracts as might develop derogatory information.

It has been found that from 40 to 50 verification inquiries must be made in checking up each performance record. To date more than 75,000 such inquiries have been mailed concerning 1897 of the first contracting concerns on which data has been secured.

From this number of verification inquiries, data has already been received from public officials, engineers and architects concerning 17,934 construction projects. Financial institutions have reported concerning 5371 projects. Manufacturers and distributors of materials and equipment have reported on their experiences with the contractors on 15,392 projects and surety companies have replied to 5572 inquiries although appealed to more recently.

Through such co-operative effort the construction industry aims to definitely establish and make available the facts concerning the degree of responsibility of all contractors in the country. This move is seen as a most important step in the program of the Associated General Contractors of America for the elimination of the conditions which have hitherto encouraged irresponsibility in construction.

CALIFORNIA ART TILE TO EXPAND ACTIVITIES

Coinciding with completion of the first quarter's business, California Art Tile Corporation has announced the resumption of active service with the company of J. W. Hislop, veteran clay-craft engineer and designer, who will bring out under the company's trade name a full new line of quarry, or floor tile. Production will commence at an early date.

At the present time, S. R. Coffee, sales manager, is in the East arranging for greater facilities for distribution of the company's products in the Middle West and in the southern States. Substantial orders are reported from the Southern California, Arizona and Northern Mexico districts, where a new distributor has been ap-

STEEL MANUFACTURERS WILL UNDERTAKE ADVERTISING

A merger of trade associations, representing more than 80 per cent of the hot and cold rolled sheet and strip production of the country and embracing 32 individual contributors, will undertake a new, broad advertising and trade extension program under the name of the Trade Research Division of the National Association of Flat Rolled Steel Manufacturers. The merger includes the National Association of Sheet and Tin Plate Manufacturers, the Hot Rolled Strip Steel Institute and the Cold Rolled Strip Steel Institute.

While the actual merger of these associations took place more than a year ago, it was not until January of this year that the trade extension work, heretofore conducted only by the sheet manufacturers, was broadened to include both hot and cold rolled strips.

More than 5,000 different products, ranging from carpet tacks, spectacle cases and tips on shoe laces, to household furniture, Pullman cars and standardized buildings are made of hot and cold rolled sheets and strips. It is this portion of the steel industry, with its wide and complex popular appeal, that is now engaged in a nation-wide educational effort, planned to make the public favorably conscious of the part flat rolled steel plays in present-day life; how civilization, as we know it, would be impossible without steel; and how this same civilization can be improved by a still wider use and new applications of what has been termed "the Universal Metal."

MAINTAIN BUSINESS PRESTIGE BY NOT CUTTING RATES

The most interesting part about price maintenance which provides a profit sufficient to keep up your interest in your business, is that such sales are as easily made as those at cut prices, where profits are sacrificed. Naturally when you purchase a bill of goods, you price them with the thought in mind that a certain sum will be realized on your investment. This is the only way you can stay in business. If you cut prices later on to secure an order, you are really fooling only yourself, and undermining your business prestige. Put a fair margin of profit on your merchandise, set the price and stick to it. When a sale is made you will also establish a reputation for good business ethics. A fair margin of profit is your due and there isn't a prospective customer in your community who begrudges you that profit. If you cut prices once; you will have to cut again and again. Prices need only to be right to get the business.—(Western Canada Contractor).

CONTRACTS FOR 16-MILE PIPE LINE ARE AWARDED

The California-Hawaiian Sugar Refining Corporation has let three contracts in connection with the 16-mile pipe line from the Suscol wells south of Napa to the Crockett refinery. It is expected the work will be completed within 175 days.

The pipe contract has been let to the United States Pipe & Foundry Company and involves 80,000 feet of 20-inch cast iron pipe totaling 6400 tons.

James Currie of Burlingame has been awarded the contract to lay the pipe, exclusive of two 15-inch lines to be placed by Duncanson-Harrelson Company of San Francisco. The latter lines will be suspended from the Carquinez Straits bridge.

CEMENT MILL PRODUCTION SHOWS IMPROVEMENT

American portland cement mills show some improvement during the past month in the ratio of operations to capacity as indicated by the figures for 12 month's period ending March 31. According to statistics released by the Bureau of Mines of the Department of Commerce the ratio of operations to capacity for the last 12 month's period was 66.1 per cent. The ratio for the 12 month's period ending February 28 was 65.6 per cent. However, the ratio percentage for the 12 month's period ending March 31, 1929 was 70.9 per cent.

During the month 11,225,000 barrels were produced, 8,846,000 barrels were shipped, and stocks on hand at the end of the month were 30,563,000 barrels. Production in March 1930 was 12.6 per cent more and shipments 12.5 per cent less than March, 1929. Stocks at the mills were 2.8 per cent more than a year ago.

SOUTHWEST ENGINEERING CAPITAL IS INCREASED

Stockholders of the Southwestern Engineering Corp., Los Angeles, have approved an increase in its capitalization from \$2,000,000 to \$3,500,000, through an increase in the \$25 par value common stock from \$1,000,000 to \$2,500,000. While there was no change in the amount of the preferred stock, of which there are 40,000 shares of \$52 par, stockholders authorized a reduction from 8 to 6 per cent in the rate, and the offering of one-fourth share of common stock to equalize the difference. The preferred also was made convertible into common stock at the rate of one share of preferred for one of common to April 30, and two shares of preferred for one of common thereafter.

HOME TOWN CONTRACTS AIM OF PORTLAND CITY COUNCIL

Hereafter specifications for public work in Portland, Ore., will carry the declaration that the bidders must be residents of the state, that a bid must be employed on the work on which the bid is submitted, and the bidder must designate whether he proposes to use domestic or foreign cement.

...City Commissioner Barbur declares that a study of charter provisions and the state laws shows that the council has the right to make such designations, in order to protect home industry. Under these provisions there is a differential of 5 per cent allowable for the use of home products in determining which is the "best" bid. One result of this determination to change specifications was made apparent, when George C. Arenz, low bidder to improve Hawthorne avenue from East Water to E. 55th Street, told Commissioner Barbur that he would use Oregon cement on this job. The cost of this work will be \$109,000.

RULE STANDARD COLOR FOR ALL BALTIMORE FILLING STATIONS

Gasoline filling stations in Baltimore, Md., must be uniform in color, as well as design, it has been ruled by the Board of Estimates. This ruling followed a complaint from City Solicitor A. Walter Kraus that the new stations being constructed were too garish in color. The board has for some time required the plans for filling stations to be passed by Charles F. Goob, Chief Engineer of Baltimore.

NEED FOR WIDER HIGHWAYS DOES NOT EXIST AT THE PRESENT TIME

Promiscuous building of super-highways is shown to be ill-advised in a summary of traffic statistics dealing with highway planning issued by the American Road Builders' Association.

Instead, the association finds need of greater activity over the entire network of the nation's roads, with all construction preceded by a careful survey of the present traffic facilities and its future requirements.

Regional planning is urged for all centers of traffic density. Such planning would indicate whether present roadways should be reconstructed to great width, or whether the construction of more arterial highways over new routes would be most advisable.

Over the majority of state and country highway mileage, a two-lane surface, of 20-foot width, is thought to offer adequate provision for traffic of the next ten or fifteen years. A right-of-way of 100 feet is favored and this would permit of eventual widening of the traveled way.

The summary was made from a nation-wide survey of rural and metropolitan traffic areas, traffic origins and concentration, roadway widths and rights-of-way and light and heavy vehicle traffic.

It was found that the necessity does not exist at the present time for the construction of systems of wide highways throughout the country. Except in comparatively small areas, such volumes of traffic do not now exist and will not during the next fifteen or twenty years, at least.

In a state as a whole there is no necessity, therefore, of planning an ultimate right-of-way in excess of 100 feet or a roadway surface width in excess of 40 feet whether a single or dual strip pavement is involved. On the great majority of the mileage, for a long period of years, even these widths will not be required.

This statement is based on the existing traffic and predicted future traffic on the state and county highways of Wisconsin, the northeastern section of Illinois, Ohio, Pennsylvania, Maryland, Virginia, Connecticut,

cut, Vermont, New Hampshire and Maine. The highways in these areas form a cross section of the highway and traffic conditions in all states.

Four years ago in Ohio there were approximately 11,000 miles in the state highway system of which only 131 miles were carrying more than 2500 vehicles per day, including passenger cars, motor trucks and motor busses. The same relative conditions are found in other areas.

The proportionate mileage carrying a volume of traffic requiring extraordinary pavement widths and design is limited to comparatively small areas, around the larger cities.

If the traffic trends based upon the last twelve years are any indication of the future growth it can be safely said that on the bulk of the state and county highway mileage, during the next ten or fifteen years construction can be largely confined to the provision of two-lane surfaces.

A two-lane surface, twenty feet wide, will carry 8000 vehicles a day at a speed of thirty miles an hour. These figures take into consideration the normal amount of motor truck and motor bus traffic and are based upon actual research studies dealing with traffic volume, traffic speed, and pavement width.

Pavement widths are thought of in terms of traffic lanes with general agreement on the 10-foot lane as standard. Odd numbers of lanes are falling into disfavor.

Reasonable standards of width of rights-of-way are considered as follows:

Local roads, two lanes for traffic, plus parking, 66 to 86 feet; primary and secondary trunk lines in well-settled communities, four lanes, plus parking, 100 feet; primary highways, six lanes, plus parking 120 feet; superhighways with provision for high-speed motor traffic separated from local traffic, ten lanes and four parking strips, 200 feet; special snow-belt trunk highways, two lanes, with provision for permanent snow fence and protective planting within the right-of-way, 150 feet to 300 feet.

maintain a high level of activity in the construction industry but also in the allied lines of industry and commerce that are in turn stimulated by construction operations, and thereby serve as a stimulus to the permanent building program of the country as well as to help relieve unemployment at the present time. The ultimate social and community values of such a national building program should also prove of greatest significance to the country at large."

In giving out this letter, Mr. Craig announced that a national conference for the purpose of furthering this program is being called under the auspices of the American Construction Council to be held in New York City on April 25, 1930.

The American Construction Council was organized at a meeting held in Washington in 1922, at which President Hoover, then Secretary of Commerce, was the principal speaker. It is interested nationally in all phases of construction activity that are affected with a public interest, such as stabilization of employment in the building trades and allied lines, the relation of investment to construction including safeguards for the building investing public, the relation of taxation to construction, promotion of home ownership and home improvements including household equipment, better building both as to equipment, standards of construction and proper finance methods, and local group cooperation. It is also interested in the development of rural highways and especially their coordination with rural electrification.

ELEVATORS AID TRAFFIC IN BAHIA

Two high speed American elevators have solved the problem of commuters in the Brazilian city of Bahia, according to the U. S. Department of Commerce.

Bahia is a "two level" city, and the task of daily transporting thousands of commuters between the two levels constitute a real problem.

It was solved by installing two huge American elevators with a capacity of 27 persons each and operating at a speed of 700 feet a minute. As a result 4000 persons an hour can be carried the 195 feet between the two levels of the city.

AMERICANS LEAD IN CONTRACTS WITH SOVIET RUSSIA

America still has the edge over other countries in the number of contracts with the soviet government for technical aid and supervision in Russia's industrial campaign.

Official figures show that American engineering firms have captured 89 out of 97 contracts awarded by the soviet government during the past year. Germany follows with 35 contracts. France has 10 and Sweden 8. No less than 1350 foreign engineers and specialists, mostly American and German, hold individual contracts with the soviet government.

SURFACE COMBUSTION COMPANY OPENS S. F. BRANCH

The Surface Combustion Company, manufacturers of special and rated industrial furnaces and heating equipment, with factory and headquarters in Toledo, Ohio, and The Webster Engineering Company, a division of the Surface Combustion Company, and manufacturers of fuel heaters with factory and headquarters in Tulsa, Oklahoma, have established branch offices in San Francisco at 447 Sutter Street. S. T. McAdam, Jr., is district manager in charge of distribution.

ELIMINATION OF DISTRICT SLUMS IS AIM OF CONSTRUCTION COUNCIL

Governor Franklin D. Roosevelt of New York expressed his interest and approval of plans to inaugurate a national campaign for the elimination of slum districts in all cities of the United States which is being undertaken by the American Construction Council. It is announced in a letter made public today. (Governor Roosevelt was the original president of the American Construction Council which is a nation-wide organization of men prominent in all branches of the construction industry of the country, and is now its Honorary President).

The letter which was addressed to E. M. Craig of Chicago, the active president of the Council, is as follows:

"I am greatly interested in the proposal, growing out of my recent remarks before the New York Board of Trade, as conveyed to me through the Executive of the American Construction Council, Mr. Dwight L. Hooper, for a nation-wide survey of slum conditions in the larger and medium sized cities of the country and the formulating of definite plans for the elimination of such undesirable housing districts.

"This field undoubtedly furnishes one of the greatest reservoirs of future building activity for the country inasmuch as the rebuilding of slum districts comprises, broadly speaking, a great area of potential building and engineering construction that has as yet hardly been touched. The American Construction Council with the cooperation of such bodies as the American Institute of Architects, engineering societies, representative financing organizations engaged in building financing, city planning experts and local building groups in the various large cities such as the local building congresses and builders' exchanges, as well as labor, should, it seems to me, because of its national scope and impartial nature, be in a position to render a great service to the country. By focusing upon this problem the intelligent cooperation of all branches of the construction industry both locally and nationally in a great quasi-public business undertaking, noteworthy benefits should be derived.

"A comprehensive program along these lines should not only help to

Building News Section

APARTMENTS

Plans To Be Revised.
ALTERATIONS Cost, \$50,000
SAN JOSE, Santa Clara Co., Calif. W
Santa Clara St.
After present building for three-story
apartment house (46 rooms).

Owner—Paul Masson Building.
Architect—W. H. Weeks, Hunter-Du-
lin Building, San Francisco; 1736
Franklin St., Oakland, and Bank
of Italy Bldg., San Jose.

New bids may be called for at a
later date.

On previous call for bids, The Min-
tion Co., Mt. View, submitted lowest
bid on general work at \$58,600. L. C.
Flint, 1019 Nevada St., San Jose, was
low on heating at \$4,785 and Webb &
Fleming, 363 E Julian St., San Jose,
low on electrical work at \$2,120.

Contract Awarded.

APARTMENTS Cost, \$9600
SAN FRANCISCO. W 25th Ave. bet.
Judah and Kirkham Sts.
One-story frame and stucco bungalow
apartments (2 to 3-room apts.)
Owner—Emil Mack.
Architect—John H. Powers and John
H. Ahnden, 605 Market St.
Contractor—Anderson & Carlsen, 1177
De Haro St.

Preparing Working Drawings.

APARTMENTS Cost, \$350,000
BERKELEY, Alameda Co., Cal. Sac-
ramento St. and University Ave.
Five-story Class A and C apartment
building (brick, terra cotta and
steel frame construction).
Owner—Davis-Pearce Co., Grant and
Weber Sts., Stockton.
Architect and Builder—Davis-Pearce
Co., Grant and Weber Sts., Stock-
ton.

Will contain ninety two and three-
room apartments, six stores and
garage.

Plans will not be ready for bids for
sixty days.

Sub-Bids Being Taken.

APARTMENTS Cost, \$70,000
SAN JOSE, Santa Clara Co., Calif.
Hawthorne and First Sts.
Three-story frame and stucco apart-
ments.

Owner and Builder—H. Schuster, 2424
Curtis St., Berkeley.
Architect—F. H. Slocombe, 85 Cam-
bridge Way, Oakland.

Plans Being Figured.

APARTMENTS Cost, \$400,000
SANTA MONICA, Los Angeles Co.,
Cal. San Vicente Blvd. near
Ocean Avenue.

Nine-story and basement Class A re-
inforced concrete apartments (97
x160 ft) (75 apts., garage).

Owner—Crown & Co., 1661 Bucking-
ham Road, Los Angeles.

Architect—Kurt Meyer, Radon, 1836
Oak Tree Terrace, Los Angeles.

Plans Being Figured.

APARTMENTS Cost, \$17,000
BURLINGAME, San Mateo Co., Cal.
Two-story reinforced concrete apart-
ment and store building (4 2-room
apts. and 3 stores).

Owner—Carl Torelli, 1145 Drake St.,
Burlingame.

Architect—E. L. Norberg, 580 Market
St., San Francisco.

Plans Being Prepared.

APARTMENTS Cost, \$75,000
ALAMEDA, Alameda Co., Cal. Santa
Clara Avenue.

Three-story and basement frame and
stucco apartments with reinforced
concrete garage (18 2, 3, and 4
-room apts.)

Owner—A. C. Cook.

Architect—Chester Treichel, American
Bank Bldg., Oakland.

Sub-Contracts Awarded.

APARTMENTS Cost, \$80,000
SAN FRANCISCO. NW Twenty-fifth
Ave. and Lake St.

Six-story and basement Class C
apartments (12 apts.)

Owner and Builder—L. B. Ham, 105
Montgomery St., San Francisco.

Architect—E. M. Sharpe, 105 Mont-
gomery St., San Francisco.

Heating—M. J. Reeves Heating Co.,
959 Natoma St., San Francisco.

Plumbing—Higgins & Kraus, 730 Te-
hama St., San Francisco.

Elevators—Spencer Elevator Co., 166
Seventh St., San Francisco.

As previously reported reinforced
concrete awarded to Gunn, Carle &
Co., 441 Market St., S. F.; structural
steel to Western Iron Works, 141
Beale St., S. F.; concrete to Van-
nucci Brothers Const. Co., 1875 San
Bruno Ave., S. F.

Contract Awarded.

ALTERATIONS Cost, \$35,000
SAN FRANCISCO. 1597 Greenwich.
Alterations and additions to (18) apts.
Owner—S. Schwalbe, 1597 Greenwich
Street.

Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd.

Contractor—Augustine & Oertel, 1566
Church St.

Contract Awarded.

APARTMENTS Cost, \$100,000
ANGELS CAMP, Calaveras Co., Cal.
Two apartment buildings (one 12-room
and one 18-room).

Owners—Geo. Becker and E. L. White,
Burlingame, F. C. Adams, et al,
Angels Camp.

Private Plans.

Contractor—Adams Const. Co., An-
gels Camp.

A Demonstration of the SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

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ELECTRIC DRILLS
GRINDERS, BUFFERS

PETER H. NELSON

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BONDS

WINTERS, Yojo Co., Cal.—Election
will be called shortly in Winters
School District to vote bonds of \$16,
000 to finance erection of a new
auditorium at the grammar school.

PACIFIC GROVE, Monterey Co.,
Cal.—Until April 25 bids will be re-
ceived by county supervisors for pur-
chase of the \$70,000 bond issue of the
Pacific Grove High School District,
proceeds of the sale to finance erec-
tion of 7-classroom and auditorium
addition to the present high school,
plans for which are being completed
by Architect W. H. Weeks, 111 Sutter
St., San Francisco.

VISALIA, Tulare Co., Cal.—Until
May 5, bids will be received by the
county supervisors for the purchase
of the \$6500 bond issue of Grand View
School District; proceeds of the sale
to finance school improvements.

ANTIOCH, Contra Costa Co., Cal.—
Trustees of the Antioch High School
District will call an election next
month to vote bonds of \$150,000 to
finance erection of a new high school.
A date for the election will be set
shortly.

LOS ANGELES, Cal.—Chaffey Uni-
on High School District will vote
bonds of \$410,000 May 16 for construc-
tion of a junior college and additions
and alterations to high school on On-
tario. The junior college is to cost
\$210,000 and alterations and additions
\$200,000. Allison & Allison, 1005 Cal-
ifornia Reserve Bldg., Los Angeles,
architects.

ARVIN, Kern Co., Calif.—Election
will be held May 3 in Arvin School
District to vote bonds of \$19,000 to
finance erection of a new school.
Trustees of the district are: A. T.
Nelson, J. W. Krauter and E. O.
Mitchell.

HILLSBOROUGH, San Mateo Co.,
Cal.—Election will be held May 5 in
Hillsborough School District to vote
bonds of \$35,000 to finance school im-
provements. Trustees of the district
are: Elliott McAllister, Eleanor H.
Kushland and Thomas H. Breeze.

KAWEAH, Tulare Co., Cal.—Elec-
tion will be held May 5 in Kaweah
School District to vote bonds of \$10,
000 to finance erection of a new school.
Trustees of the district are: J. S. Dun-
gan and John A. Van Cleve (clerk).

SAN LORENZO, Alameda Co., Cal.
—Election will be held April 23 in San
Lorenzo School District to vote a di-
rect tax of \$12,000 to finance school
improvements. Trustees of the dis-
trict are: W. Z. Smith, R. P. King
and W. S. Perkins.

WILLIAMS, Colusa Co., Calif.—No
bids received by county supervisors
for purchase of the \$105,000 bond issue
of the Williams Union Grammar
School, proceeds of the sale to finance
erection of a new school. Bids will
be re-advertised for. Starks & Flan-
ders, Forum Bldg., Sacramento, ar-
chitects.

COLUSA, Colusa Co., Cal.—No bids received by county supervisors for the purchase of the \$45,000 bond issue of the Grand Island Union Grammar School District. New bids will be asked. Proceeds of the sale of the bonds will finance erection of a new school.

CHURCHES

FRESNO, Fresno Co., Cal.—Rev. F. D. Hayner, pastor, Second Baptist Church, Merced and G Sts., has appointed committee to make drive for funds to finance erection of a new edifice to replace the present plant.

Contract Awarded—Sub-Bids Being Taken.

CHURCH Cost, \$50,000
BURLINGAME, San Mateo Co., Cal.
One- and two-story frame and stucco Church.

Owner—Burlingame Baptist Church.
Architect—Willis Polk & Co., 277 Pine St., San Francisco.

Contractor—Bessett Bldg. Co., 826 Walnut St., Burlingame.

Contract Awarded.
ADDITION Cost, \$15,000

SALINAS, Monterey Co., Calif.
Addition to frame and stucco church (auditorium, motion picture stage, etc.).

Owner—Japanese Church.
Plans by W. W. Hastings, Tyler St., Monterey.

Contractor—Mr. Tronjen, Rob Roy Camp, Salinas.

FRESNO, Fresno Co., Cal.—Jacob Ishelm, Route 10, Box 278, Fresno, representing the Board of Trustees of the Biola Church, is taking bids for painting that structure. Specifications and further information obtainable from above.

Plans Being Figured—Bids Close April 28, 10 A. M.

CHURCH Cost, \$350,000
SAN FRANCISCO NE Ellis and Taylor Streets.

Six-story and basement reinforced concrete, steel and terra cotta church, hotel apartments and stores building.

Owner—Glide Foundation (Mrs. L. H. Glide), 162 Uplands Ave., Berkeley (Rev. F. W. Rollins, Pastor).

Architect—James Plachek, Mercantile Bank Bldg., Berkeley.

Following is a list of prospective bidders:

Vogt & Davidson, 185 Stevenson St. Walter Sorensen, 2940 Piedmont Ave., Berkeley.

Barrett & Hilp, 918 Harrison St., San Francisco.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

Ralph McLeran Co., Hearst Bldg., San Francisco.

Plans Being Completed. Cost, \$16,000

ALTERATIONS
SANTA ROSA, Sonoma Co., Cal.
Alterations and additions to present church building (erect social hall and general alterations).

Owner—First Methodist Episcopal Church.
Architect—Rollin S. Tuttle, Box C, Los Gatos.

Mead Clark, E. A. Eymann and W. J. Meeker are on the building committee. Bids will be taken in three weeks.

FACTORIES AND WAREHOUSES

Sub-Bids Being Taken.

FACTORY Cost, \$200,000
LOS ANGELES, Cal. SE Twelfth St. and Stanford Ave.

Five-story and basement Class A reinforced concrete factory (12,000 square feet).

Owner—Siskin Investment Co.
Plans by John M. Cooper.

Contractor—John M. Cooper Co., Inc., 321 Rives-Strong Bldg., L. A. Angeles.

Plans Being Completed. Cost, \$15,000

CREAMERY
SAN JOSE, Santa Clara Co., Calif. W San Carlos and Locust Sts.

One-story reinforced concrete creamery.
Owner—Hester Dairy, San Jose.

Architect—Wolfe and Higgins, Realty Bldg., San Jose.
Bids will be taken in one week.

Contract Awarded. Cost, \$10,000

ALTERATIONS
SAN FRANCISCO. SE Arthur and Third Sts.

Alterations to abattoir and cold storage plant.
Owner—H. Moffatt Co., Crocker First National Bank Bldg.

Architect—None.
Contractor—Barrett & Hilp, 918 Harrison St.

Plans Being Prepared.

ADDITIONS & REARRANGEMENTS Cost, \$4,500,000 including equip.
TRONA, San Bernardino Co., Cal. On the Mojave Desert.

Additions and re-arrangements of present plant, including installation of equipment.

Owner—American Potash & Chemical Corp., Philadelphia, Pa.

Engineers & Contractors—United Engineers and Constructors, Inc., 320 Union Oil Bldg., Los Angeles.

The improvements will consist of the erection of a new power plant, a large addition to the potash and borax plant and additions to the village, involving an expenditure of \$4,500,000.

The power plant will be housed in a reinforced concrete building with concrete slab roof. Other buildings will be steel frame and concrete construction, some with corrugated steel exteriors.

All purchasing will be handled through the Los Angeles office. Preliminary construction work on the project has been started. Los Angeles office of the engineers are operated as Dwight P. Robinson Co., C. C. Thomas, vice-president, Division of United Engineers & Constructors, Inc.

PITTSBURG, Contra Costa Co., Cal.
—Plant of California Western Fish Co., destroyed by fire April 9 with a loss of \$200,000, covered by insurance.

Frank Cardinalli is manager of the plant.

RICHMOND, Contra Costa Co., Cal.
—Pan Pacific Piling & Construction Co. of Los Angeles, operating a concrete pile manufacturing plant at Richmond, proposes to purchase additional lands and undertake plant extensions on the lagoon harbor to engage in the manufacture of concrete pipe, under a patented process.

BAY POINT, Contra Costa Co., Cal.
—J. W. Rice, said to represent manufacturing interests of Cleveland, Ohio, has purchased from the Pacific Alloy & Steel Co. a tract of 55 acres at Bay Point and will establish a plant for the manufacture of porcelain and tile.

MODESTO, Stanislaus Co., Calif.—Milk Producers' Ass'n of Central California has been granted a building

permit by the city council to erect a one-story, 48 by 70-ft., brick and concrete addition to the present plant at Tenth and E Sts.; will be used for separator room and warehouse for condensary supplies.

Plans Being Prepared. Cost, \$20,000

INDUSTRIAL BLDG.
SAN FRANCISCO. Potrero Ave. near Nineteenth Street.

One-story, basement and mezzanine floor reinforced concrete industrial building.

Owner—Victor Hoelscher and Daniel Rosenblum, 544 Market St., San Francisco.

Architect—Walter Falch, Hearst Bldg., San Francisco.
Segregated bids will be taken in one week.

Construction Under Way. Cost, \$200,000

MFG. PLANT
OAKLAND, Alameda Co., Cal. Fourteenth and Poplar Sts. (180x170 feet).

Two-story reinforced concrete manufacturing plant.
Owner—American Creamery Co., J. A. Silveria, President, 1433 Cypress Ave., Oakland.

Architect—Eng. Dept. of Owner.
Work is being done by owners by day's labor.

CRESCENT CITY, Del Norte Co., Cal.—McVay, Ward & Ward, recently awarded the U. S. mail contract from Coos Bay to Crescent City, are having plans prepared for a stage line terminal at Third and Eye Streets; will be one-story of frame and stucco construction, 50 by 70 ft.

EL CERRITO, Contra Costa Co., Cal.—John Paglierio, former executive of the San Pablo Pottery Company and now operating the Technical Porcelain Works in Albany, Alameda county, will erect a new industrial and domestic tile manufacturing plant in Kearny St., near Manila St.; involving an expenditure of \$20,000.

Plans Being Completed. Cost, \$50,000

WAREHOUSE
WATSONVILLE, Santa Cruz Co., Cal. Warehouse and general offices.

Owner—Espendolas, Inc.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Bids will be called for in ten days.

Construction Deferred. Cost, \$—

ADDITION
SAN FRANCISCO. Eighth St. near Folsom St.

Four-story reinforced concrete addition to present laundry.
Owner—Galland Laundry Co., 301 8th St.

Architect—Hyman & Appleton, 68 Post Street.
The owners have decided not to proceed with this addition until later in the year.

Sheet Metal Contract Awarded. Cost approx. \$300,000

FACTORY
SOUTH SAN FRANCISCO, San Mateo Co., Calif.

Extension to present 3-story concrete factory.
Owner—Consolidated Chemical Industries, San Francisco.

Architect and Contractor—Austin Co. of California.

Sheet Metal—Fire Protection Products Co., 1101 16th St., San Francisco.

As previously reported, piling contract awarded to B. C. Gerwick, 112 Market St., San Francisco; reinforcing steel to Gunn, Carle & Co., 444 Market St., San Francisco; brick work to Pacific Coast Aggregates, 111 Sutter St., San Francisco.

OAKLAND, Alameda Co., Cal.—Until May 5, 4:30 P. M., bids will be received by City of Oakland Port Commission for steel rolling doors for the transit shed on Ninth Ave. Pier.

April 16, 1930
Construction PLANT.
PACKING Plant Total cost, \$400,000
OAKLAND, Alameda Co., Cal. Five acre tract 57th Ave. near E 14th Street.
One-story concrete and brick cannery (460x250-ft.).
Owner—Cutler-Lobingier Packing Co., Ontario, Calif.
Plans by Austin Co. of California.
Contractor—Austin Co. of California, 1924 Broadway, Oakland.
Plumbing bids will be taken shortly. (6554) 1st report April 5, 1930. 14

Plans Being Figured—Bids Close May 13, 2 P. M.
STATIONS Cost, \$—
LOS ANGELES COUNTY, Orange County and Ventura County on State Highway.
Three maintenance stations (comprising one-story cottage, garage, bunk house and oil house: frame construction).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

GARAGES AND SERVICE STATIONS

YUBA CITY, Sutter Co., Cal.—Until April 23, 2 P. M., bids will be received by Albert B. Brown, county clerk, to erect garage building, 40 by 80 ft., of corrugated iron construction at east side of Clark Avenue 100 feet south of West Forbes Ave. Plans obtainable from County Superintendent of Highways, O. W. Lanzendorf, Courthouse, Yuba City, on deposit of \$5, returnable.

April 12, 1930
SAN FRANCISCO.—See "Government Work and Supplies," this issue. Bids opened for erecting and leasing Post Office garage building.

Contract Awarded.
GARAGE Cost, \$35,000
SAN FRANCISCO, SW Eighteenth and Shotwell Sts.
One-story concrete garage.
Owner—Langendorf United Bakeries, Inc., 1160 McAllister St., San Francisco.
Engineers—Ellison & Russell, 712 Pacific Bldg., San Francisco.
Contractor—Barrett & Hilt, 913 Harrison St., San Francisco.

BAKERSFIELD, Kern Co., Calif.—McMahan Bros. started work on service station at 18th and G Sts. for Easton & Sybrandt.

Contract Award Rescinded.
GARAGE Cost, \$20,000
GILROY, Santa Clara Co., Cal.
One-story reinforced concrete auto sales and garage building.
Owner—H. E. Robinson, Gilroy.
Plans by M. J. Murphy, Carmel.
The contract for this structure was awarded on April 11 to Wm. Radtke, Gilroy, at approximately \$20,000. The contract has been rescinded and the proposed construction deferred due to the fact that prospective lessee has acquired another building.

ORLAND, Glenn Co., Cal.—Shell Oil Co. has taken a lease on property on Colusa St. and the Old Pacific Highway on which will be erected a modern service station and garage. Garage will be concrete construction, 30

by 70-ft., with service station, 42x32 ft. Construction will involve an expenditure of \$10,000.

Sub-Contracts Awarded.
STATION Cost, \$10,000
SAN JOSE, Santa Clara Co., Calif.
First and Williams Sts.
Reinforced concrete super-service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Architect—Eng. Dept. of Owner.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.
Plumbing and Sheet Metal Work—C. A. Merritt & Sons, San Jose.
Electrical Work—Garden City Elec. Co., San Jose.
Lathing and Plastering—Earl W. Heple, San Jose.
Masonry—H. K. Daegling, San Jose.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO—Until April 26, 10 A. M., under Schedule No. 923-30-257, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver miscellaneous office supplies; 200 ft. rubber belting; 50 ft. canvas belting; paints and oils; shellac, etc. Further information obtainable from above.

Excavating & Brick Contracts Awarded.
BUILDING Cost, \$1,127,388
SAN FRANCISCO, U. S. Marine Hospital, Presidio.
Main building, attendants' quarters, boiler house and laundry.
Owner—U. S. Government.
Plans by Supervising Architect, Washington, D. C.
Contractor—Clinton Const. Co., 923 Folsom St.
Excavating—J. P. Holland, 1834 McKinnon Street.
Brick Work—White & Gloor, Monadnock Bldg.

As previously reported structural steel awarded to Dyer Bros. Iron Works 17th and Kansas Sts.; electric work to Severin Electric Co., 172 Clara St.; plumbing, heating and ventilating to Mechanical Contracting Co., 83 Shipley St.

Other awards will be made shortly.

HAWTHORNE, Nev.—Until May 7, under Specification No. 6123, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for kitchen and cafeteria equipment for the Naval Ammunition Depot at Hawthorne, Nev. The work consists of furnishing and installing oil ranges, dishwashers, vegetable peelers, urn sets, combination kitchen and mixing machines, cook's tables, cafeteria counters and steam tables, and other pieces of kitchen equipment, complete and ready for operation. Specifications obtainable from the District Public Works Officer, Room 513, 100 Harrison St., San Francisco, upon deposit of \$10 check or money order payable to the Chief of the Bureau of Yards and Docks.

SAN FRANCISCO—Until April 25, 10 A. M., under Schedule No. 923-30-256, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver: Paints and paint brushes; 200 float balls; 200 water closet tank balls; pipe fittings and plumbing fixtures; 1000 ft. c. i. soil pipe, 1½-in. in 5-ft. lengths; 108 ft. centrifugally cast iron water pipe, 6-in. bell and spigot, in 12 ft. lengths; 429 brass or bronze body valves. Further information obtainable from above.

SAN FRANCISCO—Until April 22, 11 A. M., bids will be received by Con-

structing Quartermaster, Fort Mason for repairing turbo-generator at power plant, Building No. 25, Letterman General Hospital. Plans obtainable from above.

SAN DIEGO, Cal.—Until 11 A. M. April 22, bids will be received by the Public Works Officer, 11th Naval District, San Diego, for framing for capstan at Naval Operating Base (Destroyer Base), San Diego, Spec. No. 5581. Work consists of modification of inboard end of structural steel marine railway cradle for installation of capstan (including removal of existing work; structural steel work; pipe railing; timber work and painting) and the installation of an electric capstan furnished by the government. To obtain bidding data, prospective bidders should forward to the Public Works Officer, Headquarters, 11th Naval District, foot of Broadway, San Diego, Calif., a check or postal money order for \$10, payable to the Chief of the Bureau of Yards and Docks, a security for the safe return of drawings and specifications. Geo. A. McKay, Captain (G.E.C.), U. S. N., Public Works Officer.

TUCSON, Ariz.—Until April 28, 10 A. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Calif., to furnish, install and connect, ready for operation, one deep well pump and motor on well and connecting pipe lines at Veterans Hospital at Tucson. Plans obtainable from above.

SACRAMENTO, Cal.—Until April 23 11 A. M., under Order No. 1792-1623 bids will be received by U. S. Engineer's Office, California Fruit Bldg., to furnish and deliver miscellaneous castings. Further information obtainable from above.

Being Done By Day's Work By Owner
COTTAGES, ETC. Cost, \$3,000
RED BLUFF, Tehama Co., Cal. Las sen Park.
Group of employees' cottages, checking station, etc.
Owner—U. S. Government.
Architect—Thomas C. Vint, 525 Market St., San Francisco.
Contractor—Care Dept. of Interior.

CALIFORNIA.—Authorization of \$1,642,000 for California river and harbor improvements, including \$1,284,000 for San Francisco harbor, has been approved by the house rivers and harbors committee and will be included in the general rivers and harbor bill. The funds for San Francisco harbor are for dredging a bar across the main entrance to a depth of 45 feet and improvements at Presidio shoals. Other California projects approved include: Petaluma Creek, \$185,000; Sulphur Bay from Martinez to Antioch \$52,000; Humboldt Harbor, \$92,000; Redwood Creek, \$26,000; Middle River and Empire Cut, \$3,000.

TUCSON, Ariz.—Until May 3, 10 A. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Calif., to install lawn sprinkling system at Veterans' Hospital at Tucson. Plans and further information obtainable from Superintendent at Palo Alto.

MARE ISLAND, Cal.—Until May 25 11 A. M., under Specification No. 6149 bids will be received by Public Works Officer, Mare Island Navy Yard, for reinforcing by arc-welded metal strip one 190-ft. steel chimney at Mare Island Navy Yard. Plans obtainable from above office on deposit of \$5, returnable.

PUGET SOUND, Wash.—C. C. Moore & Co., Engineers, Inc., Sheldon Edg., San Francisco, at \$35,086 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. No. 6098, for condenser and auxiliaries at the Puget Sound Navy Yard.

SAN FRANCISCO.—Until April 28, 10 A. M., under Schedule No. 928-30, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver 119 coils of Manila rope; 500 ft. 3/4-in. water hose; 100 ft. 3/4-in., 200 ft. 1 1/2-in. water hose; 3,096 gals. ready mixed olive drab paint; 3,500 cotton mops; 95 steel filing cabinets, vertical, one drawer wide; 4 drawers high; 6 gold-on-oak finished flat top wood office desks, single 60-in. long, 34-in. wide, Type C. Further information obtainable from above.

PALO ALTO, San Clara Co., Cal.—Until May 5, 10 A. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to furnish and install steel grilles in certain buildings at Veterans' Hospital, Palo Alto. Bond of 25% of contract will be required of the successful bidder. Plans and further information obtainable from above.

FORT LEWIS, Wash.—Constructing Quartermaster, Fort Lewis, rejects bids to erect quarters for 11 nurses, 1 field officers' quarters, and 3 company officers' quarters.

HAWTHORNE, Nevada.—American Laundry Machinery Co., Cincinnati, Ohio, at \$10,815 submitted low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish and install laundry equipment at Hawthorne, Nevada, under Specification No. 6111. Troy Laundry Machinery Co., 1291 Folsom St., San Francisco, at \$10,990 only other bidder. Taken under advisement.

SITKA, Alaska.—Until April 30, bids will be received by Supervising Architect, Treasury Department, Washington, D. C., to install a new heating system in U. S. Customhouse at Sitka. Plans obtainable from above.

SAN FRANCISCO.—Price Building Subletties Co., 638 Howard St., at \$1,106 submitted lowest bid to Constructing Quartermaster, Fort Mason, to install electric dumbwaiter in Officers' Ward No. 54 at Letterman General Hospital, Presidio.

Following is a complete list of the bids:

Price Bldg. Specialties Co.	\$1,106
C. Jorgensen Co.	1,235
Spencer Elevator Co.	1,645
Ole Elevator Co.	1,680
B. C. an Emon Elevator Co.	2,100
Electric Supply Co., Inc., of New Jersey	2,290

Bids held under advisement.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Department Office, 100 Harrison St., San Francisco:

Bids Open April 25

Sch. 3177, western yards, abrasive wheels as required during the fiscal year 1931.
Sch. 3171, western yards, boiler gaskets, as req. during fiscal year 1931.
Sch. 3180, all yards, packings as required during the fiscal year 1931.
Sch. 1334, class 462, supplemental

opening April 25, for wrenches, original date of opening July 23, 1929.

Bids Open April 25

Sch. 3183, Brooklyn, Philadelphia, or Puget Sound, approximately 375,000 lbs. medium steel shapes and 60,000 lbs. steel I-beams.

Sch. 3195, San Diego, 800 incandescent lamp sockets; Mare Island, 1,600 do; Puget Sound, 1,600 do and 300 do; Puget Sound, 300 do.

Sch. 3167, Mare Island and Puget Sound, 4,100 non-watertight portable guards.

Sch. 3194, Mare Island, 80 lbs. plate mica; Puget Sound, 100 lbs. do; Mare Island, 375 lbs. sheet mica.

Sch. 3202, western yards, fiber, gray, insulating and fish paper.

Sch. 3223, Mare Island, 5 motion picture machines and parts.

Sch. 3198, eastern and western yards 36,500 sq. ft. steel cork.

Sch. 3168, western yards, storage batteries and parts.

Sch. 3240, Puget Sound, 38,640 lbs. steel channels.

Sch. 3208, western yards, brushes and packing, carbon; motion picture machine carbons, carbon plate and carbon searchlight.

Sch. 3205, western yards, attachment plugs and snap switches.

Bids Open May 16

Sch. 3083, San Diego, Anacostia, or f.o.b. works, 18 airplanes and spares.

MARE ISLAND, Cal.—Until May 7, under Specification No. 6104, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., to erect six reinforced concrete shell houses and a railroad extension at the Mare Island Navy Yard Ammunition Depot. Plans obtainable from above office on deposit of \$10, returnable.

HALLS AND SOCIETY BUILDINGS

WILLIAMS, Colusa Co., Cal.—Masonic Lodge of Williams has purchased site and will shortly select an architect to prepare plans for a new store and lodge building.

Preparing Working Drawings.
STORE & LODGE Cost, \$60,000
GILROY, Santa Clara Co., Cal. N
Monterey Street.

Two-story concrete store and lodge building (19055 ft.).

Owner—Mainero Bros., Gilroy.
Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.

Lessee—Elks Club (2nd story); B. Barsingher, (1st story).

TULARE, Tulare Co., Cal.—Fraternal Order of Eagles has appointed a committee to secure preliminary plans and estimates of cost for a new store and lodge building. Committee consists of Thos. Sawyer, Clyde Cantwell, O. D. Walker, L. R. West and Ward G. Rush.

VALLEJO, Solano Co., Cal.—Clarín Manufacturing Co., Chicago, at \$5,200 awarded contract by Building Committee of Veterans' Alliance Association to furnish and install 1,500 upholstered metal folding seats in new memorial building.

Ink Ribbon Manufacturing Co., San Francisco, at \$1,200 awarded contract to furnish and install 350 opera chairs in auditorium balcony.

Levenson Co., San Francisco, at \$2,200 awarded contract to furnish and deliver crockery, glassware, silverware and complete equipment for kitchen in connection with the same project.

Contract for drapes, rugs and furnishings are yet to be awarded.

Contract Awarded.

BUILDING Cost approx. \$230,000
OAKLAND, Alameda Co., Calif. 15th and Grove Streets.

Six-story and basement class C steel frame and concrete building.

Owner—Salvation Army.
Architect—Douglas Stone, Gt. Western Power Bldg., Oakland.

Contractor—Jacobs and Pattiani, 337 17th St., Oakland.

Others who submitted bids are as follows:

K. E. Parker, San Francisco.
MacDonald & Kahn, San Francisco.
R. W. Littlefield, Oakland.

Charles Heyer, San Francisco.
Harry Knight, Oakland.

Fred. Muller, Oakland.
M. Fisher, Oakland.

Schuler & McDonald, Oakland.

HOSPITALS

Bids To Be Called Shortly.

HOSPITAL Cost, \$510,000
LOS ANGELES, Cal. County Farm near Hondo.

Two-story reinforced concrete hospital (188x191 ft.) and extension to utilities (accommodations for 200 patients).

Owner—County of Los Angeles.
Architect—Karl Muck, County Architect, Los Angeles.

Plans Being Figured—Bids Close May 13, 1030 A. M.

ADDITION Cost Approx., \$150,000
OAKLAND, Alameda Co., Cal. Fairmont Hospital.

Two-story Class C reinforced concrete hospital addition.

Owner—County of Alameda.
Architect—H. H. Meyer, Kohl Bldg., San Francisco.

Additional Sub-Contracts Awarded.

ADDITION Cost, \$650,000
SAN FRANCISCO. Fell and Baker Streets.

Addition to present class A hospital. Owner—Southern Pacific Railroad Co., 65 Market St.

Architect—Alfred I. Coffey and Martin J. Rist, Pelland Bldg.

Contractor—Barrett & Hily, 918 Harrison St.

Reinforcing Steel—Pacific Coast Steel Co., 111 Sutter St.

Steel Pans—Steelform Contracting Co., Monadnock Bldg.

As previously reported lumber contract awarded to Rolando Lumber Co., 301 Berry St.; excavation to Piombo Bros., 1239 14th St. Other awards will be made shortly.

WOODLAND, Yolo Co., Cal.—Until May 5, 2 P. M., bids will be received by H. R. Saunders, county clerk, for painting county detention home. Certified check 10% payable to county required with bid. Specifications obtainable from county clerk.

Plans Being Completed

MOTHER HOUSE Cost, \$95,000
MISSION SAN JOSE, Alameda Co.

Three-story reinforced concrete Spanish type Mother House (stucco exterior, tile roof; main facade 136 feet long).

Owner—Female Religious of the Order of Saint Dominic.

Architect—Arnold Constable, 580 Market St., San Francisco.

Structural Engineer—W. Adrian, 417 Market St., San Francisco.

Mechanical Engineer—Coddington Co., 222 Kearny St., San Francisco.

Plans will be ready for bids in two weeks.

TULARE, Tulare Co., Cal.—Tulare Camp of Spanish War Veterans will petition the county supervisors to levy a direct tax to finance erection of a community auditorium in Tulare.

Preparing Working Drawings.
TEMPLE Cost, \$200,000
 SANTA ANA, Orange Co., Cal. Syca-
 more Ave. and Fifth St.
 Four-story and basement steel frame
 temple.
 Owner—Masonic Temple Association.
 Architect—W. Horace Austin, Pacific
 Southwest Bk. Bldg., Long Beach

Completing Plans.
LODGE Cost, \$400,000
 LONG BEACH, Los Angeles Co., Cal.
 Cedar Ave.
 Reinforced concrete lodge (80x150 ft.)
 Owner—Lodge No. 888, B. P. O. Elks,
 Long Beach.
 Architect—W. Horace Austin, Pacific
 Southwest Bank Bldg., and Schil-
 ling & Schilling, Farmers and
 Merchants Bank Bldg., Associate

SACRAMENTO, Cal.—Until April 17,
 5 P. M., bids will be received by H.
 G. Denton, city clerk, to furnish and
 deliver 300 more or less, portable
 chairs in sections of threes for Oak
 Park Clubhouse. Certified check 5%
 payable to City Controller required
 with bid. Specifications on file in of-
 fice of city clerk.

HOTELS

To Be Done By Day's Work By Own-
 er.
REMODEL Cost, \$300,000
 MONTEREY, Monterey Co., Calif.
 Remodel present 3-story concrete bldg.
 for hotel (45 rooms).
 Owner—A. C. Hinkle, 495 Washington
 St., Monterey.
 Plans by W. W. Hastings, Tyler St.,
 Monterey.

Commissioned To Prepare Plans.
HOTEL Cost, \$1,000,000
 PALM SPRINGS, Riverside Co., Cal.
 Six miles east of Palm Springs.
 One to four-story reinforced concrete
 hotel and 100 hollow concrete block
 bungalows.
 Owner—Palm Springs Hotel Corp. (H.
 L. Lewis et al).
 Architect—A. B. Rosenthal, Lanker-
 shim Bldg., Los Angeles.

Preliminary Plans Being Prepared.
HOTEL Cost, \$125,000
 LOS BANOS, Merced Co., Cal. Sixth
 and J Streets.
 Three-story fireproof hotel (95x200 ft.)
 (66 rooms, coffee shop, etc.)
 Owner—J. R. McLean and Chas. Mc-
 Millen, Oakland.
 Architect—Chas. McCall, 1404 Frank-
 lin St., Oakland.

Completing Plans.
HOTEL Cost, \$750,000
 SAN FRANCISCO. Location with-
 held.
 Fifteen-story class A hotel.
 Owner & Builders—Haley Bros., Russ
 Building.
 Plans by Owner.
 Sub-bids will be taken in one week.

POWER PLANTS

SAN FRANCISCO—Until April 22,
 11 A. M., bids will be received by Con-
 structing Quartermaster, Fort Mason,
 for repairing turbo-generator at
 power plant, Building No 25, Letter-
 man General Hospital. Plans obtain-
 able from above.

SAN FRANCISCO—At the August
 26 primary election, a proposal will
 be submitted to vote bonds of \$63,-
 045,000 for acquisition of the local
 electrical distribution properties of
 Pacific Gas & Electric Co. and the
 Great Western Power Company, in
 addition to \$21,500,000 issue to

finance additional expenditures, in-
 volving improvements, etc.

CALAVERAS COUNTY, Cal.—City
 of Stockton, W. B. Hogan, city man-
 ager, has filed application with the
 State Department of Public Works,
 Division of Water Rights, Sacramento
 for a permit to divert water from the
 Calaveras River and develop power for
 municipal purposes. A plant costing
 \$1,500,000, including a concrete dam
 1,450-ft. long and 144-ft. high is con-
 templated. Plant would develop 2,-
 550-hp. and would be used for mun-
 icipal light and power purposes. For
 a municipal water supply the city pro-
 poses to take 50 cu. ft. per second to
 be carried through a 42-inch pipe line
 100,000 feet long to the city for dis-
 tribution.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

RED BLUFF, Tehama Co., Calif.—
 City votes direct tax of \$28,000 at a
 recent election to finance minor addi-
 tions, alterations and repairs to city
 hall and fire department quarters.

Plans Being Figured—Bids Close May
 5, 10 A. M.
ADDITION Cost, \$235,000
 RIVERSIDE, Riverside Co., Cal Tenth
 and Orange Streets.
 Reinforced concrete addition to
 courthouse.
 Owner—County of Riverside.
 Architect—G. Stanley Wilson, 3646
 W. Ninth St., Riverside.
 Previous bids rejected.

SANTA ROSA, Sonoma Co., Cal.—
 Until May 13, 12 noon, bids will be
 received by Geo. P. Sanborn, county
 clerk, to furnish and install filing
 equipment in office of county clerk's
 office. Specifications obtainable from
 Clerk or from County Purchasing
 Agent.

Preliminary Plans Being Prepared.
LIBRARY Cost, \$65,000
 BURLINGAME, San Mateo Co., Cal.
 One-story fireproof library building.
 Owner—City of Burlingame.
 Architect—E. L. Norberg, 580 Market
 St., San Francisco.

Bonds have been voted to finance
 construction.

Plans Being Figured—Bids Close May
 7, 2 P. M.
JAIL Cost, \$40,000
 GRANTS PASS, Oregon.
 Two-story and basement, 50 by 80-ft.,
 fireproof jail.
 Owner—County of Josephine, F. L.
 Coon, County Clerk, Grants Pass,
 Oregon.
 Architect—Tourtellotte and Hummel,
 Postal Bldg., Portland.
 Main floor will provide facilities for
 offices and living quarters for warden
 and cells for juveniles and women in-
 mates, in addition to garage quarters.
 Second floor will be devoted to cells
 for men. Will have capacity of 30
 prisoners in all. Plans are on file in
 the office of the clerk and obtainable
 from the architects.

Preliminary Plans Being Prepared.
REPAIRS Cost, \$—
 RED BLUFF, Tehama Co., Cal.
 General repairs and remodeling for
 City Hall.
 Owner—City of Red Bluff.
 Architect—Liston Ehorn, Red Bluff.
 City council proposes to levy a di-
 rect tax to finance these improve-
 ments which will involve complete
 renovation of the present city hall, in-
 cluding a stucco exterior, rearrange-
 ment of partitions, new plumbing,
 improvements of jail quarters, etc.

Contracts Awarded.
MEMORIAL BLDGS. Cost, \$—
 ARCATA & FORTUNA, Humboldt Co.
 Calif.
 Two American Legion Memorial
 Buildings.
 Owner—County of Humboldt, Fred M.
 Kay, County Clerk.
 Architect—Newton Ackerman, Fourth
 and Commercial Sts., Eureka.
General Work (Fortuna Memorial)
 Louis Halversen, Santa Rosa—\$21,200

Plumbing
 J. P. Ryan, Eureka—\$955
Electrical Work
 F. Dahlquist, Ferndale—\$692
 Following is complete list of bids:
General Work
 Louis Halversen—\$21,200
 Chris. Winkler, Ferndale—22,488
 Halsby & Lax, Eureka—22,492
 Mercer-Fraser Co., Eureka—23,250
 Oliver S. Almle, Arcata—25,475

Plumbing
 J. P. Ryan—\$955
Electrical Work
 F. Dahlquist, Ferndale—\$692
 Heating bids rejected.
General Work (Arcata Memorial)
 Louis Halversen, Santa Rosa—\$19,140

Plumbing
 J. P. Ryan, Eureka—\$708
Electrical
 Hilfiker Elec. Co., Arcata—\$567
 Following is complete list of bids:
General Work
 Louis Halversen, Santa Rosa—\$19,140
 Mercer-Fraser Co., Eureka—20,700
 Oliver S. Almle, Arcata—20,989

Plumbing
 J. P. Ryan, Eureka—\$708
 A. Brizard, Inc., Arcata—\$40
Electrical Work
 Hilfiker Elec. Co., Arcata—\$567
 Heating bids rejected.

DELANO, Kern Co., Cal.—Ross and
 Reed, Delano, at \$2,589, with tile roof,
 awarded contract by city council to
 erect one firehouse. Other bids:
 Henry King, with tile roof, \$2,687.65;
 William Burchett, \$2,553.37, with al-
 ternate bid of \$2,560, without tile roof;
 J. C. Rook, 2,900 and \$2,790 without
 tile roof.

BAKERSFIELD, Kern Co., Calif.—
 A. Hansen awarded contract at \$1994
 by the Kern county supervisors for
 constructing portico and walks for ad-
 ministration building at the Bakers-
 field airport. Symmes & Cullimore, ar-
 chitects, Habersfelde Bldg., Bakers-
 field.

Contracts Awarded.
ARMORY \$75,000 available
 LONG BEACH, Los Angeles Co., Cal.
 Two-story reinforced concrete armory
 with steel roof.
 Owner—State of California.
 Architect—Geo. B. McDougall, State
 Architect, Public Works Building,
 Sacramento.
 Structure will be of steel and con-
 crete frame construction with con-
 crete walls and floors, steel and wood
 roof construction and tile and com-
 position roofs. The floor area is ap-
 proximately 21,265 sq. ft.
General Work
 George Mitty, 412 W 6th St., Los
 Angeles, \$44,438.
Electrical Work
 Kuster Wetzel Electric Co., Long
 Beach, \$1,925.
Plumbing and Heating
 Pacific Pipe & Supply Co., 1002
 Santa Fe Ave., Los Angeles, \$4,614.

Preliminary Plans Being Prepared
CITY HALL Cost, \$40,000
 AUBURN, Placer Co., Cal.
 Two-story brick city hall.
 Owner—City of Auburn.
 Architect—W. H. Weeks, Hunter-
 Dulin Bldg., San Francisco; 1736
 Franklin St., Oakland, and Bank of

LAS VEGAS, Nev.—County commissioners will probably start proceedings soon for addition to county courthouse. Will contain jail and offices. Last legislature authorized bonding of county for \$150,000 for project.
Italy Bldg., San Jose.

RENO, Nevada.—Until May 9, 7:30 P. M., bids will be received by Trustees of the Washoe County Library, Reno, to furnish and install in county library:

One case of shelving ten Bays wide, covered by glass sliding doors to be locked, keyed alike, shelves adjustable 1-inch C-C; 90-inches high; 30 feet long, 8 or 9 inches deep (7½ feet high, 30 feet long); fiber rollers; plate glass for covers; 18 ga. steel for door frames; 29 ga. steel for backs; 3 ft. sections; closed back; finished ends; olive green finish to match present equipment.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, \$5500
STOCKTON, San Joaquin Co., Cal.
One-story and basement frame, stucco and brick veneer residence (5 rooms).
Owner—Mr. McKay.
Architect—Chas. H. Young, 221 Bank of Italy Bldg., Stockton.
Contractor—John Hackman, Sonora Road and Walker Lane, Stockton.

Preparing Plans.
RESIDENCE Cost, \$20,000
SAN FRANCISCO, Pacific Ave.
Two-story brick veneer residence.
Owner—Mrs. E. Lent, 2100 Jackson St.
Architect—Erle J. Osborne, Balboa Building.

Plans Being Revised.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal. North Cragmont.
Two-story frame and stucco residence
Owner—Mrs. Schneider.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, \$25,000
SAN FRANCISCO. Filbert St. bet. Pierce and Scott Sts.
Two-story and basement frame and stucco residence (3 rooms).
Owner—Mrs. G. Bagicalupi.
Architect—John H. Powers and John H. Ahnden, 605 Market St.
Contractor—R. De Luca & Son, 2256 Jones St.
Painting and tile contracts will be awarded shortly.

Sub-Contracts Awarded.
RESIDENCE Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
Two-story frame and stucco residence
Owner—W. W. Holt.
Architect—Willis Polk Co., 277 Pine St., San Francisco.
Contractor—Mattock and Peasey, 210 Clara St., San Francisco.
Plumbing—Barton Plumbing & Heating Co., Monterey.
Electric Work—Carol & Seales, Monterey.
Mill Work and Lumber—Work Mill & Lumber Co., Monterey.
Plastering—J. R. Brady, Monterey.

Contract Awarded.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. No. 956 Hildale Avenue.
Two-story frame and stucco residence (8 rooms).
Owner—H. E. Fontecilla, 1700 Medara Ave., Berkeley.
Plans by W. H. Hooper, 732 Cragmont Ave., Berkeley.
Contractor—W. H. Hooper, 732 Cragmont Ave., Berkeley.

Plans Being Completed.
RESIDENCE Cost, \$10,500
SAN FRANCISCO. St. Mary's Park SW College and Banton Sts.
One-story and basement frame and stucco residence (5 rooms, 2 baths)
Owner and Builder—A. R. Johnson, 3901 Mission St., San Francisco.
Plans by D. E. Jaekle, Cal Bldg.
Sub-bids will be taken April 14th.

Plans Being Figured.
RESIDENCE Cost, \$100,000
BEVERLY HILLS, Los Angeles Co., Cal. No. 910 N. Alpine Drive
Two and three-story concrete residence (130x120 ft.) (18 rooms and 8 baths).
Owner—Ralph B. Lloyd.
Architect—John L. De Lario, Bank of Italy Bldg., Los Angeles.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
SAN FRANCISCO. SW Vicente and Fourteenth Avenue.
Two-story and basement frame and stucco residence.
Owner and Builder—G. K. Elkington & Sons, 330 Vicente St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$—
SAN FRANCISCO, Marina District.
Two-story frame and stucco residence (8 rooms).
Owner—Withheld.
Architect—Fabre & Hildebrand, 110 Sutter St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, \$5000
MONTEREY, Monterey Co., Cal.
One-story and basement frame and stucco residence.
Owner—Mr. Marks.
Architect—Swartz & Ryland, Spazier Bldg., Monterey, 373 Main St., Salinas, and Brix Bldg., Fresno.

Plans Being Figured.
RESIDENCE Cost, \$7000
SAN MATEO, San Mateo Co., Cal. Peninsula Manor.
One-story frame and stucco residence
Owner—Peninsula Manor, Bayshore Blvd. and Peninsula Ave., San Mateo.
Plans by Enri E. Cavasso, 235 Third Ave., San Mateo.

Sub-Bids Wanted.
RESIDENCE Cost, \$10,500
SAN FRANCISCO. St. Mary's Park SW College and Banton Sts.
One-story and basement frame and stucco residence (5 rooms, 2 baths)
Owner and Builder—A. R. Johnson, 3901 Mission St.
Plans by D. E. Jaekle, Cal Bldg.

Construction Started.
RESIDENCES Cost, \$36,000
SALINAS, Monterey Co., Cal.
Five 1-story frame and stucco residences (3 room each).
Owner—Wm. Houston.
Plans by W. W. Hastings, Tyler St., Monterey.
Contractor—E. R. Stalter, 466 Gibson, Pacific Grove.

To Be Done By Day's Work.
RESIDENCE Cost, \$12,000
SAN FRANCISCO. NW 27th Ave. and Cabrillo St.
Two-story and basement frame and stucco residence.
Owner and Builder—H. P. Hoyt, 45 Second St.
Architect—G. M. Cantrell, 45 2nd St.

Contract Awarded.
RESIDENCE Cost, \$12,000
WOODLAND, Yolo Co., Cal. College Street.
Two-story frame and stucco residence (9 rooms, 3 baths).
Owner—Mrs. Kenneth Lowe.
Private Plans.
Contractor—J. G. Motroni, Woodland.

Plans Being Figured—Bids Close Apr. 26th.
RESIDENCE Cost, \$20,000
SARATOGA, Santa Clara Co., Cal.
Two-story and basement nine-room frame and stucco Spanish type residence.
Owner—Frank Michael.
Architect—Herman Krause, 243 N 9th St., San Jose.

Bids Opened—Held Under Advertisment
RESIDENCE Cost, \$20,000
PEBBLE BEACH, Monterey Co., Cal.
Two-story frame and stucco residence
Owner—A. C. Webbe.
Architect—Sidney B. Noble & Archie T. Newsom, Federal Realty Bldg., Oakland.

Bids Rejected—To Be Done By Day's Work By Owner.
RESIDENCE Cost, \$—
STOCKTON, San Joaquin Co., Calif. State Hospital Farm.
One-story and basement frame assistant physician's residence (six rooms), stucco exterior, shingle roof.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Contract Awarded.
RESIDENCE Cost, \$20,000
MONTE CRISTO, Sonoma Co., Calif. Russian River.
Two-story frame and log residence (12 rooms).
Owner—C. H. Collier, Sequola Hills, Oakland.
Plans by Mr. Henas.
Contractor—J. Henas, 6916 Arthur St., Oakland.
Construction has just been started.

Completing Plans.
RESIDENCE Cost, \$14,000
MOUNT EDEN, Alameda Co., Cal.
Two-story frame and stucco residence
Owner—M. Dennis.
Architect—Wolfe & Higgins, Realty Bldg., San Jose
Plans will be ready for bids in one week.

Contract Awarded.
RESIDENCE Cost, \$125,000
SANTA MONICA, Los Angeles Co., Cal. Huntington Palisades Tract.
Two-story frame and stucco residence (15 rooms).
Owner—John L. Kennedy.
Architect—Ashton & Denny, Wilshire-Pruess Bldg., Beverly Hills.
Contractor—Rose & Rowell, 1436 4th St., Santa Monica.

Working Drawings Being Prepared.
RESIDENCE Cost, \$25,000
SAN FRANCISCO. Pacific Ave. near Scott Street.
Three-story frame and stucco residence (9 rooms).
Owner—Richard Bränsten, 2627 Broderick St., San Francisco.
Architect—H. H. Gutterston, 526 Powell St., San Francisco.

ALLEJO, Solano Co., Cal.—Frank Lamb, 821 Capital St., Vallejo, at \$3,449 awarded contract by city council to erect caretaker's dwelling for the City of Vallejo in Green Valley.

Contract Awarded.
RESIDENCE Cont. price, \$6,445
STOCKTON, San Joaquin Co., Calif.
 Oxford Manor.
 Two-story brick veneer residence wood
 shingle roof (6 rooms).
 Owner—P. G. Ahern, 460 N Tuxedo
 St., Stockton.
 Architect—Victor Galbraith, Elks
 Bldg., Stockton.
 Contractor—H. E. Vickroy, Stockton.
 Following is a complete list of the
 bids:
 H. E. Vickroy, Stockton.....\$6,250
 J. R. Leighton.....6,310
 John Cavanaugh.....6,351
 George Roak.....6,443
 John Hackman.....6,574
 Salfeld & Lison.....6,475
 Thorston & Baety.....6,903
 McCarthy & Harrington.....7,467

Plans Being Completed.
RESIDENCE Cost, \$5,000
EAST OAKLAND, Alameda Co., Cal.
 Eastmont Tract.
 One and one-half story frame and
 stucco residence (6 rooms; English
 type).
 Owner—Mrs. Dean.
 Architect—F. H. Slocombe, 85 Cam-
 bridge Way, Oakland.
 Plans will be ready for bids in one
 week.

Plans Being Completed.
RESIDENCE Cost, \$5,000
EAST OAKLAND, Alameda Co., Calif.
 Eastmont Tract.
 One and one-half story frame and
 stucco residence (6 rooms; English
 type).
 Owner—Mrs. Crane.
 Architect—F. H. Slocombe, 85 Cam-
 bridge Way, Oakland.
 Bids will be taken in one week.

SCHOOLS

ALPAUGH, Tulare Co., Cal.—Main
 building of the Alpaugh grammar and
 high school was destroyed by fire Apr.
 12. The loss is estimated at \$35,000.

Plans Being Figured—Bids Close April
 29, 5 P. M. (to be opened 7:30 P. M.).
SCHOOL \$50,000 available
BAKERSFIELD, Kern Co., Calif.
 Horace Mann School.
 Owner—Bakersfield School District.
 Architect—Chas. H. Biggar, Bank of
 Italy Bldg., Bakersfield.
 Certified check or bidder's bond 10%
 payable to Board of Education re-
 quired with bid. Plans obtainable from
 the architect on deposit of \$10, re-
 turnable.

Plans Approved.
ADDITION Cost, \$96,000
LOS ANGELES, Cal. North Holly-
 wood High School.
 Class B addition to high school (64x
 188 ft.).
 Owner—Los Angeles Board of Educa-
 tion.
 Architect—Myron Hunt and H. C.
 Chambers, California Reserve
 Bldg., Los Angeles.

OAKLAND, Cal.—Until April 29, 4
 P. M., bids will be received by John
 W. Edgemond, secretary, Board of Edu-
 cation, 104 Administration Bldg., to
 furnish and deliver school supplies.
 Certified check 10% required with bid.
 Specifications obtainable from Assist-
 ant Business Manager of the Board of
 Education, 104 Administration Bldg.

LOS BANOS Merced Co., Cal.—
 Until May 5, 6 P. M., bids will be re-
 ceived by W. L. Garrison, Clerk, West
 Side Union High School District, to
 construct 515 lin. ft. 5 ft. wide, more
 or less, sidewalks in Sixth St. from
 Legion Hall to State Highway Plans
 obtainable from above.

Bids Opened.
SCHOOL Cost, \$35,000
WILLOW GLEN, Santa Clara Co.,
 Calif.
 One-story reinforced concrete school
 (6 classrooms, administration room
 and kindergarten).
 Owner—Willow Glen School District.
 Architect—Wolfe & Higgins, Realty
 Bldg., San Jose.
General Construction
 Paul Anderson, 1210 Lincoln, San
 Jose.....\$23,372
 Wm. Meyer.....\$23,640
 Thos. Herschbach, San Jose.....\$24,000
 D. J. Smith, San Jose.....\$24,500
 J. D. Carlson, San Jose.....\$28,247
Heating
 J. W. Turner, 533 N. 19th St.,
 San Jose.....\$2,875
 Scoy Co., San Francisco.....\$2,890
 San Jose Htg. & Ventil. Co.,
 San Jose.....\$2,985
 A. J. Peters, San Jose.....\$2,992
 Wm. Serpa, San Jose.....\$2,998
 H. J. Pasco, San Jose.....\$3,045
 C. Merritt, San Jose.....\$3,225
 Herman Moltzen, San Jose.....\$3,463
**Plumbing, Heating and Sheet
 Metal (Combined)**
 J. W. Turner, 533 N. 19th St.,
 San Jose.....\$5,875
 H. J. Pasco, San Jose.....\$6,071
 Wm. Serpa, San Jose.....\$6,152
 C. Merritt, San Jose.....\$6,294
 A. J. Peters, San Jose.....\$6,429
 C. L. Snyder, San Jose.....\$6,436
 Herman Moltzen, San Jose.....\$7,123

Sub-Bids Being Taken.
SCHOOL Cost, \$100,000
OAKLAND, Alameda Co., Calif. NE
 Pleasant and Champion Sts.
 Three-story brick and steel parochial
 school.
 Owner—St. Jariath Parish.
 Architect—Geo. McCrea, Hearst Bldg.,
 San Francisco.
 Contractor—Nealey & Collins, 666 Mis-
 sion St., San Francisco.

Plans Being Figured—Bids Close
 May 2, 3 P. M.
KINDERGARTEN Cost, \$6,000
SAN RAFAEL, Marin Co., Cal.
 One-story frame and stucco kinder-
 garden.
 Owner—San Rafael Board of Educa-
 tion.
 Architect—A. W. Sexton, deYoung
 Bldg., San Francisco.

LIVERMORE, Alameda Co., Cal.—
 Anderson Carpet House, 519 13th St.,
 Oakland, at \$1,966 submitted lowest
 bid to Livermore Union High School
 District, to furnish and place linoleum
 in new Livermore high school.

Plans Being Completed.
SCHOOL Cost, \$18,000
MENDOCINO, Mendocino Co., Cal.
 One-story redwood rustic school (5
 classrooms, administration offices,
 etc.).
 Owner—Mendocino School District.
 Architect—Davis-Pearce Co., Grant &
 Weber Sts., Stockton.
 Bids will be taken in one week.

Contract Awarded.
ADDITION Cont. Price, \$21,983
SACRAMENTO, Sacramento Co., Cal.
 Fifty-third and J Sts.
 One-story brick addition to school.
 Owner—Sacramento Board of Educa-
 tion.
 Architect—Dean & Dean, California
 State Life Bldg., Sacramento.
 Contractor—W. C. Keating, Forum
 Bldg., Sacramento.

Working Drawings Being Prepared.
SCHOOL Cost, \$160,000
SANTA CRUZ, Santa Cruz Co., Cal.
 Two-story reinforced concrete Mission
 type high school
 Owner—Santa Cruz School District.
 Owner—Santa Cruz School District.
 way, Oakland.

Commissioned To Prepare Plans.
SCHOOL Cost, \$—
SANTA BARBARA, Santa Barbara
 Co., Cal. McKinley School Site.
 Masonry elementary school with tile
 roof.
 Owner—Santa Barbara Board of Edu-
 cation.
 Architect—Soule, Murphy & Hastings,
 116 E. Sola St., Santa Barbara.

Completing Plans.
SCHOOL Cost, \$410,000
NEWPORT BEACH, Orange Co., Cal.
 Newport Beach Heights.
 High school plant (reinforced concrete
 construction.)
 Owner—Newport Harbor Union High
 School District.
 Architect—Marsh, Smith & Powell,
 Architects Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL Cost, \$382,000
LOS ANGELES, Cal. Griffith Park
 Blvd.
 Brick high school plant (English type)
 Owner—Los Angeles Board of Edu-
 cation.
 Architect—George M. Lindsey & Er-
 wood P. Elden, Union Insurance
 Bldg., Los Angeles.

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Commissioned To Prepare Plans.

SCHOOL Cost, \$—
SANTA BARBARA, Santa Barbara Co., Cal. Riviera Tract.
 Masonry elementary school with tile roof.
 Owner—Santa Barbara Board of Education.
 Architect—Floyd E. Brewster, Box 72 Mission Canyon, Santa Barbara.

PALO ALTO, Santa Clara Co., Cal.
 —In addition to those reported in our issue of April 10, MacDonald & Kahn, Financial Center Bldg., and Mahony Bros., Flood Bldg., both of San Francisco, are figuring the general contract on the Stanford University Women's Gymnasium. Chas. Stockholm, previously reported as figuring the general contract, has withdrawn from the bidding. Estimated cost, \$225,000. Bids are to be opened April 28th at 3 P. M. John Bakewell and Arthur Brown, Jr., architects, 251 Kearny St., San Francisco.

Contract Awarded—Sub-Bids Being Taken.

CONVENT Cost, \$50,000
SAN FRANCISCO, Twenty-third Ave. and Geary St.
 Three-story reinforced concrete convent.
 Owner—Roman Catholic Archbishop, 1100 Franklin St.
 Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts.
 Contractor—T. B. Goodwin, 2950 Divisadero St.

Plans Being Figured—Bids Close April 22nd.

SCHOOL Cost, \$75,000
SACRAMENTO, Sacramento Co., Cal.
 Two-story brick school and convent.
 Owner—Roman Catholic Bishop (St. Stephen's Parish).
 Architect—Harry De Vine, California State Life Bldg., Sacramento.

SAN JOSE, Santa Clara Co., Cal.—San Jose Hardware Co., 56 W San Fernando St., San Jose, awarded contract by Board of Education to furnish and deliver not less than one carload of chainlink fencing material; (1) per lineal foot, (2) corner post, (3) end post: (1) 59¢; (2) \$3.90; (3) \$3.50.

Contract Awarded.

BUILDINGS Cost, \$32,000
NEAR FAIRFAX, Marin Co., Calif.
 Camp Lillianthal.
 Group of rustic buildings (administration building, vocational building, hospital and swimming pool.
 Owner—Boy Scouts of America.
 Architect—G. A. Applegarth, Spreckles Bldg., San Francisco.
 Contractor—Mattok & Feasey, 210 Clara St., San Francisco.
Mill Work and Lumber—Hess Lumber Co., San Rafael.
Plumbing—O'Mara and Stewart, 218 Clara St., San Francisco.

Contracts Awarded.

SCHOOL Cost, \$35,000
WILLOW GLEN, Santa Clara Co., Calif.
 One-story reinforced concrete school (6 classrooms, administration room and kindergarten).
 Owner—Willow Glen School District.
 Architect—Wolfe and Higgins, Realty Bldg., San Jose.
General Work
 Paul Anderson, 1210 Lincoln, San Jose \$23,372.
Heating, Plumbing and Sheet Metal (Combined)
 J. W. Turner, 533 N 19th St., San Jose, \$5,875.

Working Drawings Being Prepared.

SCHOOL Cost, \$160,000
SANTA CRUZ, Santa Cruz Co., Cal.
 Two-story reinforced concrete Mission type high school.
 Owner—Santa Cruz School District.
 Architect—J. J. Donovan, 1916 Broadway, Oakland.

Plans Being Figured—Bids Close Apr. 30th.

SCHOOL Cost, \$—
CARPENTERIA, Santa Barbara Co., Calif.
 Frame and stucco school (271x200-ft.; auditorium, gymnasium and nine classrooms).
 Owner—Carpenteria Union High School District.
 Architect—T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles.

Contract Awarded.

GYMNASIUM Cost, \$25,800
PRINCETON, Colusa Co., Calif.
 One-story frame and stucco gymnasium.
 Owner—Princeton Joint Union High School District.
 Architect—Chester Cole, First National Bank Bldg., Chico.
 Contractor—Harry H. Staple, Colusa.
 Complete list of bids follows:
 Harry H. Staple.....\$25,800
 S. Chapman.....25,943
 D. Nordstrom.....26,000
 J. P. Brennan.....30,220

SAN JOSE, Santa Clara Co., Cal.—Until May 13, 5 P. M., bids will be received by Walter L. Bachrodt, Secretary, Board of Education, to furnish and deliver school supplies for the school year 1930-31. Specifications and further information obtainable from City Superintendent of Schools.

Commissioned To Prepare Plans.

ADDITION Cost, \$100,000
BERKELEY, Alameda Co., Cal.
 California and Ward Sts., Longfellow School.
 Addition to present school (8 classrooms, auditorium, cafeteria, music room and library).
 Owner—Berkeley Board of Education.
 Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley.

Sub-Bids Being Taken.

SCHOOL Cont. price, \$23,372
WILLOW GLEN, Santa Clara Co., Calif.
 One-story reinforced concrete school (6 classrooms, administration room and kindergarten).
 Owner—Willow Glen School District.
 Architect—Wolfe and Higgins, Realty Bldg., San Jose.
 Contractor—Paul Anderson, 1210 Lincoln, San Jose.
 As previously reported, heating, plumbing and sheet metal (combined) awarded to J. W. Turner & Sons, 533 N 19th St., San Jose, \$5,875.

Bids Opened.

SCHOOL Cost, \$65,000
BURLINGAME, San Mateo Co., Cal.
 Concrete grammar school.
 Owner—Burlingame Elementary School District.
 Architect—W. H. Weeks, Hunter-Du-lin Bldg., San Francisco.

General Work

J. H. Johnson, Hearst Bldg., San Francisco.....\$56,497
 Spivock & Spivock, S. F.....58,500
 Sorensen & Hagmark, S. F.....53,923
 J. J. Grodem, S. F.....53,990
 The Minton Co., Mt. View.....59,120
 Clinton Stephensen Co., S. F.....59,462
 R. C. Stickle, South S. F.....60,689
 Carl N. Swensen, San Jose.....61,457
 J. W. Cobby & Son, S. F.....61,582
 G. W. Williams, Burlingame.....62,332
 Anderson & Ringrose, S. F.....64,200
 G. P. W. Jensen, S. F.....62,900
 T. Magnusson, S. F.....64,240
 Sullivan & Sullivan, Oakland.....65,390
 H. J. Sjoberg & Son, S. F.....65,965
 W. J. Ochs, Fresno.....66,901
 F. L. Hansen, S. F.....67,770
 H. L. Petersen, S. F.....72,984

Heating

Morrison & Blair, 415 Villa Terrace, San Mateo.....\$4,703
 Higgins & Kraus, S. F.....4,812
 J. H. Forsythe, San Mateo.....5,191
 San Jose Heating & Ventilating Co., San Jose.....5,222
 Gilly-Schmidt Co., S. F.....5,394
 H. R. Parks, Burlingame.....5,430
 James Nelson, S. F.....5,517
 E. C. Cottier, San Mateo.....5,900
 Nottingham Heating and Vent. Co., Oakland.....6,520
 Bids held under advisement.
 Complete list of alternates available from this office today.

Completing Plans.

AUDITORIUM Cost, \$185,000
LONG BEACH, Los Angeles Co., Cal.
 Polytechnic High School.
 Reinforced concrete auditorium (112 by 208 feet (capacity 1800).
 Owner—Long Beach Board of Education.
 Architect—W. Horace Austin, Pacific Southwest Bldg., Long Beach.

Plans Being Figured—Bids Close May 9 & 2 P. M.

SCHOOL Cost, \$136,000
PITTSBURG, Contra Costa Co., Cal.
 Group of four brick and terra cotta Junior High School buildings (attached academic building, gymnasium, shops and auditorium).
 Owner—Pittsburg School District.
 Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.
 Certified check 10% payable to Board of Trustees of district required with bid. Plans obtainable from architects on deposit of \$100, returnable, and on file in the office of the clerk.

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SANTA BARBARA, Cal.—Trustees of Hope School District have called mass meeting for April 23 for discussion of ways and means for raising funds with which to finance addition of three classrooms to Hope School. Edwards & Plunkett, 20 E. Figueroa St., Santa Barbara, architects.

Plans Being Figured—Bids Close May 5, 8 P. M.
SCHOOL Cost, \$17,000
SANTA ROSA, Sonoma Co., Calif. S. Park Section.
One-story frame and stucco school with tile roof (3 rooms and auditorium).
Owner—City of Santa Rosa School District.
Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.
Certified check 5% payable to Mrs. Sara J. Pryor, secretary, Board of Education, required with bid. Plans obtainable from architect.

Bids To Be Taken Apr. 19 To Close April 27.
SCHOOL & HALL Cost, \$5500
PLEASANTON, Alameda Co., Cal.
School and social hall (all wood construction).
Owner—First Presbyterian Church.
Architect—Rollin S. Tuttle, Box C, Los Gatos.

LIVERMORE, Alameda Co., Cal.—Following is complete list of bids received by Livermore High School District to furnish and lay linoleum in new high school, low bidder previously reported:
Anderson's Carpet House, 519 13th St., Oakland.....\$1724
H. W. Rivett Co.....1752
D. N. & E. Walter.....1917
Klim-Ed-Edge.....1928
Van Fleet Freear.....1960
McLean Hardwood Floor.....1975
Walton Moore.....\$2308 and 2445
Daahl-Thomas.....2483

ARMONA, Kings Co., Cal.—Hudson & Vickers, Hanford, at \$3750.50 awarded contract by trustees of Armona Grammar School District to rebuild west wing of grammar school, recently destroyed by fire.

Contracts Awarded.
SCHOOL Cost, \$65,000
BURLINGAME, San Mateo Co., Cal.
Concrete grammar school.
Owner—Burlingame Elementary School District.

Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco.
General Work—J. Harold Johnson, Hearts Bldg., San Francisco, at \$59,773.

Heating—Morrison & Blair, 415 Villa Terra, San Mateo, at \$4703.

GYMNASIUM Cost, \$—
ARCATA, Humboldt Co., Cal.
Completion of gymnasium building (work involves plastering, etc.)
Owner—State of California.
Architect—Geo. B. McDougall, Public Works Bldg., Sacramento.

General Work
Fred J. Maurer, Eureka.....\$15,395
Oliver S. Amlie, Arcata.....15,403
J. W. Cobby & Son, S. F.....17,990

Electrical Work
Arcata Electric Shop, Arcata.....\$ 997
Hilfiker Electric Co., Arcata.....1399
Porter Electric Co., S. F.....1520
Plumbing, Heating and Ventilating
Hately & Hately, 1710 10th, Sacramento.....\$5621
A. Brizzard, Arcata.....5842
Plumbing, Heating, Ventilating and Electric Work
Scott Plumbing & Heating Co.,

1900 M. St., Sacramento.....\$9523
Bids held under advisement.

Bids Opened.
SCHOOL Cost, \$—
SAN CARLOS, San Mateo Co., Calif.
One-story 6-classroom concrete grammar school.
Owner—San Carlos Grammar School District.
Architect—E. L. Norberg, 580 Market St., San Francisco.

General Work
Henry Post, 1330 Webster St., Palo Alto.....\$34,724
Young & Horstmeier, S. F.....34,876
J. Harold Johnson, S. F.....35,353
The Minton Co., Mt. View.....35,770
James L. McLaughlin, S. F.....36,151
Chas. Petersen, San Mateo.....36,368
Sorensen & Haggmark, S. F.....38,400
G. W. Williams, Burlingame.....38,970
J. W. Cobby & Son, S. F.....39,440
Vogt & Davidson, S. F.....39,757
H. J. Sjoberg & Son, S. F.....40,770

Brand and Sterling, Redwood City.....\$5,767
O'Mara & Stewart, S. F.....5,795
A. W. Forsythe, San Mateo.....5,889
Morrison & Blair, San Mateo.....6,032
H. R. Clark, Burlingame.....6,311
Scott Co., San Francisco.....6,397
San Jose Heating & Ventilating Co., San Jose.....6,428
Joseph Grimes, Burlingame.....6,799
Christiansen & Anderson, Palo Alto.....7,253
E. C. Cottier, San Mateo.....7,400
The Minton Co., Mt. View.....7,691
Bids held under advisement.

BANKS, STORES & OFFICES

Plans To Be Prepared.
STORES Cost, \$—
SOUTH SAN FRANCISCO, San Mateo Co., Cal. Fourth Lane and Linden Avenue.
Owner—Andrew Hynding, 219 Linden St., South San Francisco.
Fireproof stores and offices
Present building on site to be wrecked.

Contract Awarded.
ALTERATIONS Cost, \$12,000
SAN LEANDRO, Alameda Co., Cal.
Remodel present building for stores.
Owner—Daniel Best.
Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
Contractor—Geo. Petersen, 1841 Santa Clara St., San Leandro.

Construction Started.
STORES Cost, \$—
BURLINGAME, San Mateo Co., Cal.
Broadway.
Arcade store building, 190x50 ft. (each store 20x20 ft.).
Owner—H. C. Marshall, Burlingame.
Architect—Enri E. Cavasso, 233 Third Ave., San Mateo.
Contractor—Sierra Constr. Co., 233 Third Ave., San Mateo.

Plans Being Prepared.
STORES Cost, \$—
SALINAS, Monterey Co., Cal. Monterey Street.
One-story concrete stores (stucco exterior, tile roof) (85x90 ft.)
Owner—S. M. Baker.
Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Brlx Bldg., Fresno.

Plans To Be Prepared.
UTILITY BLDG. Cost, Approx \$300,000
LONG BEACH, Los Angeles Co., Cal.
Public utility building (water and gas departments; receiving hospital, etc.)
Owner—City of Long Beach.
Architect—Not Selected

Contract Awarded.
ALTERATIONS Cost, \$7000
PALO ALTO, Santa Clara Co., Cal.
No. 273 University Avenue.
Alterations to Class C store.
Owner—Palo Alto Hardware Co. 273 University Ave., Palo Alto.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.

Steel Sash Contract Awarded.
BUILDING Cost, \$400,000
SAN FRANCISCO. Sansome St. and Merchant St.
Eight-story and basement class A reinforced concrete building.
Owner—California Ink Co.
Architect—Willis Polk Co., 227 Pine Street.
Contractor—Barrett & Hilp, 918 Harrison St.
Steel Sash—Michell and Pfeffer Iron Works, Harrison and 10th Sts.
As previously reported lumber contract awarded to San Francisco Lumber Co., foot of Mason St.; piling to M. B. McGowan, 74 New Montgomery St.; excavating to Sibley Grading and Teaming Co., 165 Landers St.; wrecking to California Wrecking Co., 666 Mission St.

Preparing Preliminary Plans.
STORES Cost, \$150,000
LOS ANGELES, Cal. Wilshire Blvd and Kingsley Drive.
Two-story Class A reinforced concrete stores and offices (80x135 feet).
Owner—S. Malsman, Jewelers' Exchange Bldg., Los Angeles.
Architect—S. Charles Lee, Petroleum Securities Bldg., Los Angeles.

Plans Being Completed.
STORES Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal.
One-story brick stores.
Owner—C. F. Aaron.
Architect—Dean & Dean, California State Life Bldg., Sacramento.
Lessee—Hart, Shaffner & Marx.
Bids will be taken in one week.

Contract Awarded.
STORE Cost, \$800
OAKLAND, Alameda Co., Cal. No. 4490 Piedmont Avenue.
One-story frame and stucco store.
Owner—Seifert's Floral Co., 4490 Piedmont Ave., Oakland.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Wm. Seifert, % Owner.

Sub-Contracts Awarded.
STORE Cost, \$12,000
SAN MATEO, San Mateo Co., Calif. Lot 10 Third Ave.
One-story reinforced concrete store.
Owner—Martin Stelling Jr. and Edga L. Gould, 155 Montgomery Street.
Architect—Earl Bertz, 210 Post St. San Francisco.
Contractor—Young & Horstmeier, 46 Market St., San Francisco.
Reinforcing Steel—Gunn, Carle & Co. 444 Market St., San Francisco.
Structural Steel—Judson & Pacific Co. 603 Mission St., San Francisco.
Lumber—Burlingame Lbr. Co., Burlingame.

Contract Awarded.
STORE Cost, \$200,000
LOS ANGELES, Cal. No. 1209-o Stanford Avenue.
Five-story Class A store and loft (120x200 ft.)
Owner—Siskin Investment Co., 365 E. 8th St., Los Angeles.
Plans by John Cooper Co.
Contractor—John M. Cooper Co., Rive Strong Bldg., Los Angeles.

Plans To Be Prepared.

RESTAURANT Cost, \$—
SACRAMENTO, Sacramento Co., Cal.
 State Fair Grounds.
 Restaurant Building.
 Owner—State of California.
 Architect—Geo. B. McDougall, State
 Architect, Public Works Building,
 Sacramento.

Plans Being Completed.

BANK Cost, \$50,000
CHICO, Butte Co., Cal.
 One-story reinforced concrete bank.
 Owner—Bank of Italy.
 Architect—H. A. Minton, Bank of Italy
 Bldg., Eddy and Powell Sts., San
 Francisco.
 Bids will be taken in two weeks.

To Be Done By Day's Work.

STORE Cost, \$10,000
SAN FRANCISCO, 1030 Market St.
 Alterations for candy store and res-
 taurant.
 Owner and Builder—A. F. Rousseau
 (Marian Realty Co.), 110 Street.
 Plans by Dohrmann Hotel Supply Co.

Sub-Contracts Awarded.

STORE Cost, \$200,000
STOCKTON, San Joaquin Co., Cal.
 Three-story reinforced concrete store
 building.

Owner—S. H. Kress Dept. Store, 621
 S Broadway, Los Angeles.
 Architect—John H. Fleming, Los An-
 geles.

Contractor—J. S. Metzger & Son, 332
 W Jefferson St., Los Angeles.
Structural Steel—Schrader Iron W'ks,
 1247 Harrison, San Francisco.

Reinforcing Steel—Pacific Coast Steel
 Co., 111 Sutter St., San Francisco.
Terra Cotta—Gladding McBean & Co.,
 660 Market St., San Francisco.

Steel Sash—Detroit Steel Products Co.
 448 S Hill St., Los Angeles.

Painting—D. E. Burgess, 605 S Center
 St., Stockton.

Dumb Waiters—Price Bldg. Special-
 ties Co. 683 Howard St., San Fran-
 cisco.

Glass—Raphel Glass Co., 1149 S Los
 Angeles St., Los Angeles.

Placing Reinforcing Steel—M. C. Wag-
 ner, Stockton.

LAS VEGAS, Nev.—Pacific Iron &
 Steel Co., 241 W Ave. 26, Los Angeles,
 awarded contract for structural steel
 in connection with repeater station
 south of Las Vegas, Nev., for Bell
 Telephone Company of Nevada. Storm
 & Mahoney, general contractors, First
 National Bldg., Pomona. Plans by
 owners.

Contract Awarded.

OFFICES Cost, \$25,000
BERKELEY, Alameda Co., Cal. Shat-
 tucke Ave. near Center St.
 One-story brick and terra cotta offices
 (41 ft. frontage).

Owner—Pacific States Savings & Loan
 Association.

Architect—Albert F. Roller, Crocker
 First National Bank Bldg., San
 Francisco.

Contractor—Barrett & Hilp, 918 Har-
 rison St., San Francisco.

SAN FRANCISCO—Civic League of
 Improvement Clubs and Associations
 has recommended to the Finance Com-
 mittee of the Board of Supervisors
 the erection of an office building ad-
 jacent to the Civic Center to house
 business and executive departments of
 various publicly owned utilities.

Sub-Contracts Awarded.

REMODELING Cost approx. \$20,000
OAKLAND, Alameda Co., Cal. 16th
 and Broadway.

Remodel first floor and mezzanine floor
 in 12-story class A building for
 restaurant.

Owner—Hans Lorenzen.

Architect—Blaine & Olsen, 1755 Broad-
 way, Oakland.

Contractor—Jensen and Pedersen, 3443
 Adeline St., Oakland.

Steel—Judson Pacific Co., 609 Mission
 St., San Francisco.

Concrete—L. M. Rasmussen, 3016 Tel-
 egraph Ave., Oakland.

Plumbing—Oscar L. Zeis, 2181 High
 St., Oakland.

Electric Wiring—Scott-Buttner Elec.
 Co., 19 Grand Ave., Oakland.

Plastering—R. O. Torr, 2624 9th Ave.,
 Oakland.

Ventilating—Carl T. Doell, 467 21st
 St., Oakland.

Mill Work & Lumber—California Mill
 & Lumber Co., 1829 Webster St.,
 Oakland.

Glass—W. P. Fuller Co., 259 10th St.,
 Oakland.

Steel Sash—Michel & Pfeffer Iron
 Works, Harrison and 10th Streets,
 San Francisco.

April 11, 1930

Concrete Contract Awarded.

OFFICES Cost, \$100,000
SAN FRANCISCO, Third and Steven-
 son Streets.
 Seven-story class C concrete office
 building.

Owner—Pacific States Auxiliary Corp.
 Architect—Albert F. Roller, Crocker
 First National Bank Bldg.

Engineer—H. J. Brunner, Sharon
 Building.

Contractor—Barrett & Hilp, 918 Har-
 rison St.

Concrete—Golden Gate Atlas Material
 Co., 16th and Harrison Sts.

As previously reported steel pan
 forms awarded to Soule Steel Co., Ri-
 alto Bldg.

THEATRES

Sub-Contracts Awarded.

THEATRE Cost, \$40,000
OAKLAND, Alameda Co., Calif. 12th
 St. and Broadway.

Two-story theatre and store building
 (theatre to seat approx. 800).

Owner—Levy Estate, Oakland.

Architect—Clayson & Amendes, Hearst
 Bldg., San Francisco.

Contractor—James L. McLaughlin Co.,
 251 Kearny St., San Francisco.

Lessee—Golden State Theatres, Inc.
Reinforcing Steel—Truscon Steel Co.,
 Cal Bldg., San Francisco.

Structural Steel—California Steel Co.,
 Hobart Bldg., San Francisco.

Concrete—Triberti & Massero, 957 38th
 St., Oakland.

Wrecking—G. M. Gest, 503 Market St.,
 San Francisco.

Electric Work—T. L. Rosenberg, 411
 Webster St., Oakland.

Ornamental and Miscellaneous Iron—
 National Ornamental Iron and
 Bronze works, 434 9th St., San
 Francisco.

Plans Being Prepared.

THEATRE Cost, \$225,000
WHITTIER, Los Angeles Co., Cal.
 S Greenleaf Street.

Eight-story and basement reinforced
 concrete theatre and apartments
 (to seat 1200).

Owner—A. Wardman.

Lessee—Fox West Coast Theatres,
 Inc.

Plans by David S. Bushnell, McNeese
 Theatre Bldg., Whittier.

Bids To Be Taken Shortly.

THEATRE Cost, \$300,000
VENICE, Los Angeles Co., Cal. Venice
 Plaza.

Class A reinforced concrete and struc-
 tural steel theatre (to seat 2000).

Owner—Plaza Realty Co.

Plans by Perrine & Renfro, 717 Lin-
 coln Bldg., Los Angeles.

Plans Being Completed

THEATRE Cost, \$100,000
INDIO, Riverside Co., Cal.

Two-story class C reinforced concrete
 theatre (75x165 ft.) (to seat 1100)

Owner—Charles Stone.

Architect—Perrine & Renfro, Lincoln
 Bldg., Los Angeles.

Lessee—C. L. Langley.

MODESTO, Stanislaus Co., Cal.—
 Officials of the Fox-West Coast The-
 atres, Inc., are in this city preparatory
 to ordering plans for the proposed
 Class A theatre and store building to
 be erected on a site not yet announced
 to the public. Early construction
 is contemplated. A. M. Bowles, gen-
 eral manager of the Northern Cali-
 fornia section for the Fox-West Coast
 interests, declares.

Plans Being Prepared.

THEATRE Cost, \$7000
SAN JOSE, Santa Clara Co., Cal.

Open air theatre.

Owner—Withheld.

Architect—Ralph Wyckoff, San Jose
 National Bank Bldg., San Jose.

Project is in a very preliminary
 stage.

SAN FRANCISCO—Alta Elec. Co.,
 938 Howard St., San Francisco, at \$37-
 400 submitted low bid to Board of Pub-
 lic Works to furnish and install elec-
 trical equipment for stage at the Mu-
 nicipal Auditorium; estimated cost
 \$35,000. Following is complete list of
 bids received:

Alta Electric Co.	\$37,400
Radelinger Bros.	43,371
Superior Electric Co.	43,990
L. Flatland	47,000
E. W. Scott	47,223
Butte Elec. & Mfg. Co.	49,223

MISCELLANEOUS
CONSTRUCTION

BAKERSFIELD, Kern Co., Calif.—
 Until May 3, 1 P. M., bids will be re-
 ceived by William Gleason, clerk,
 Kern County Union High School Dis-
 trict, to furnish and install lighting
 system for athletic field. Certified
 check 10% required with bid. Plans
 obtainable from clerk at high school.

SAN FRANCISCO—Fay Improve-
 ment Co., Phelan Bldg., at \$0420 sq.
 ft., awarded contract by City Park
 Commission to resurface eight tennis
 courts in Golden Gate Park with not
 less than one-inch standard bitumen.
 Following is a complete list of the
 bids:

Fay Improvement Co.	\$0420
L. J. Cohn	\$0464
A. G. Ralsch	\$0470
Pacific States Const. Co.	\$0489
Malott & Petersen (lump sum)	\$3,067

HAYWARD, Alameda Co., Calif.—
 City defeats proposal to issue bonds
 of \$75,000 to finance construction of
 a municipal swimming pool; 606 being
 in favor and 675 against. A two-thirds
 majority vote was required to carry
 the proposal.

BAKERSFIELD, Kern Co., Cal.—
 Bakersfield Hardware Co., submitted
 lowest regular bid to the city council
 at \$1622 (bidding on "Cyclone" type)
 for fencing for the city tennis courts
 at Jastro Park. Other bids were:

Carl A. Sheffer—Heavy type chain
 link, \$1977.10; light type, \$183.22.

Bakersfield Sand, Stone & Brick Co.
 —Wickwire special type, \$2081.92.

J. E. Dwan, Inc.—Anchorpost fence,
 \$237.40; Alt. 1, \$2003.48; Alt. No. 2,
 \$822.40; (No. 16-ga. fish trap type).

Bids taken under advisement until
 April 14.

CORNING Tehama Co., Cal.—T. B. Kees, G. G. Morgan and O. C. Bley are gathering data preparatory to having plans prepared for a municipal swimming pool. It is probable that local interests will finance the construction and the city assume maintenance and operation after completion.

MENLO PARK, San Mateo Co., Cal.—Thermolite Construction Co., San Jose, at \$16,653 awarded contract by Bear Gulch Water Co., Menlo Park, to construct a reinforced concrete reservoir and appurtenances on property of the company near Woodside, San Mateo County.

BALDWIN PARK, Los Angeles Co., Cal.—Until 2 P. M., April 28, bids will be received by County Supervisors for improvements in Morgan Park at Baldwin Park, including stone-tile and brick bath house with tile roof; concrete swimming pool fully equipped with ladders, fencing, spring board, etc.; filtration plant, piping, gas and water supply; water dispersion system; water heater and laundry equipment; irrigation system; street and walk improvements; lawns and shrubbery; roque, horseshoe and tennis courts; ornamental lighting systems; wading pool. Cost, \$66,765.15.

RED BLUFF, Tehama Co., Calif.—City votes bonds of \$4,500 at recent election to finance airport development.

SAN FRANCISCO—Immediate construction of the new baseball park to replace "Recreation Park" at 15th and Valencia Sts. will be started within the next 30 days by the San Francisco Baseball Club. The new park will be located at 15th and Potrero Ave. and will involve the expenditure of \$1,000,000. The main grand stand will be of class A construction, reinforced concrete and steel. With the purchase of the Potrero Ave. property some years ago, directors of the club announced that the contract for construction would be let to Lindgren-Swinerton, Inc., 225 Bush St., San Francisco. Construction, however, was deferred. Definite announcement will be made by the club within the next two weeks.

KINGSBURG, Fresno Co., Cal.—Roy and Chas. Foster Neon Sign Co., of Exeter, Calif., at \$350 awarded contract by city council to erect highway sign at entrance to city.

Completing Plans.
ALTERATIONS Cost, \$5500
SAN FRANCISCO, No. 2051 Market Street.

Remodel exterior of undertaking parlors.
Owner—McAvoy, O'Hara & Co., Prem. Architect—W. H. Crinn, 438 Pine St., San Francisco.
Bids will be taken in one week.

Plans Being Completed.
PLUNGE Cost, \$100,000
OAKLAND, Alameda Co., Cal. Vicinity of Technical High School. Reinforced concrete plunge (60x160 ft.) (concrete and steel building.) Owner—California Plunge Corp. (A. L. Walters, General Manager).

Plans by L. R. McWethy.
Contractor—L. R. McWethy, 337 17th St., Oakland.

It is expected to start construction in three weeks.

A nursery for accommodation of children, restaurant, spacious plunge and laundry are other features.

Preliminary Plans Being Prepared
Contract Awarded.

GRANDSTAND, ETC. Cost, \$1,250,000
SAN FRANCISCO, Fifteenth St. and Potrero Avenue.
Baseball Park, class A steel and concrete grandstand, 1000 ft. long.
Owner—San Francisco Baseball Club, Fifteenth and Valencia Sts., San Francisco.

Engineer—H. J. Brunner, Sharon Bldg., San Francisco.
Contractor—Lindgren-Swinerton, Inc., 225 Bush St., San Francisco.

Plans Being Figured—Bids Close April 27.
BATH HOUSE Cost, \$12,000
SACRAMENTO, Sacramento Co., Cal. Robbins Farm Center, Sutter Basin.

One-story frame bath house.
Owner—Robbins Farm Center.
Architect—Dean & Dean, California State Life Bldg., Sacramento.

HIGHWAY MACHINERY MANUFACTURERS TO EXHIBIT PRODUCTS

Delegates from fifty-six countries will have an opportunity to study the best products of American highway machinery manufacturers at an international road exhibition to be held in Washington, Oct. 7-10.

The exhibition will be held by the American Road Builders' Association simultaneously with the sixth international road congress.

Inasmuch as the United States produces for domestic use and export more road building machinery and equipment than any other nation, foreign delegations will welcome this opportunity to learn what is new in the industry.

The congress program will give much space to the progressive ideas and methods of American engineers. Oddly enough, this nation, which leads the world in improved roads, is entertaining the international road congress this year for the first time.

The exposition will be held in Washington Auditorium. Outdoor space nearby will also be used for exhibits and a demonstration of road building machines under working conditions will be staged.

In addition to an estimated 400 American manufacturers who will have equipment in the exhibit, the manufacturers from all other countries are urged to send exhibits, so that both the exposition and the congress may be truly representative.

Exhibits from outside the United States will be shipped and returned in bond, thus avoiding duty fees. Invitations to participate are being transmitted to all countries through the foreign service of State Department and the Department of Commerce. The bureau of public roads will have an educational exhibit, representing the United States government.

NEW OAKLAND PLUMBING LAW PASSED TO PRINT

After long delays and many inspections from public officials and gas company furnace dealers' officials, the new plumbing ordinance was passed to print last Monday by the Oakland city council.

The ordinance is said to meet the requirements of the gas and electric company and of the fire department primarily. In summarized form, Colbourn transmitted its main provisions to the council, as follows:

Section 2-c exempts certain experimental, scientific and industrial appliances from changes.

Sec. 15 provides charge of 25c each when more than four appliances installed, instead of 50c each appliance installed.

Sec. 21 provides that appliances must have American Gas Association's approval and be set up, complying with Bureau of Standard's specifications.

Sec. 25½ provides copper tubing may be used to replace small pipes shut-off valves be installed before the appliance.

Sec. 23 provides water heaters may be re-installed in bathroom where they were installed prior to this ordinance.

Sec. 30 provides appliances in room used for sleeping purposes must be vented and rigidly connected to outlet.

Sec. 34 specifies requirements for installation of conversion burners and provides testing to determine whether old furnaces require change of heat runs of pipe. Vents not required for 4-gallon water heaters in barber shops if shops are properly vented.

Sec. 36 provides for use of cement or asbestos compound gas flue pipe.

Sec. 39½, pressing machine moved from place to place may be installed with copper tubing. Appliances in commercial kitchens may be vented into kitchen ventilating system.

Sec. 40 permits use of terra cotta and cement flues.

Sec. 43 provides for fittings of gas flues.

Sec. 45 provides that bends, or set-offs, in the shall be of one piece, and not in excess of 30 degrees.

In 1929, a total of 385 railroad grade crossings were eliminated on the Federal-aid highway system, according to a report just issued by the Bureau of Public Roads of the U. S. Department of Agriculture. Forty-eight crossings were eliminated by the construction of grade-separating bridges carrying the highway over or under the railroad; and 337 by relocation of the highway to avoid the railroad. Since 1917, the records of the bureau show, a total of 4676 grade crossings have been weeded out of the system—905 by grade separations and 3681 by relocations.

The outlook for the European lumber market is still uncertain, according to a report from Osborn S. Watson, Commercial Attaché, to the Lumber Division of the Department of Commerce. Several factors—notably the depression in Germany, England's action in taking only picked specifications, and the uncertainty concerning Russian lumber operations—have had an influence on the situation. It is reported that Russia has sold approximately 277,000,000 board feet direct to individual foreign buyers from first open water stocks, but it is believed that country will not be able to execute more than 70 per cent of its announced lumber program for 1930. This opinion is borne out by a report of the Supreme Economic Council of the Soviet Union, which states that "while production of lumber and firewood showed a substantial increase during the first half of February, the program was still far from fulfilled." According to the data of the Council, only 54.1 per cent of the Russia program for lumber and 69.1 per cent for firewood had been obtained up to February 10, 1930.

The Crane Creek Lumber Company, operating in the government timber in the Sugar Hill section, east of Willow Ranch, Modoc County, is running its sawmill with two shifts on a daily cut of 150,000 board feet of lumber.

The Fandango Company has also commenced double-shift operations.

Engineering News Section

BRIDGES

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Bids will be asked shortly by the city council to construct a bridge at the entrance to the San Luis Obispo high school grounds, over San Luis Obispo Creek at Marsh and Ido Sts. Estimated cost \$10,000. Leon Moore, city engineer.

STOCKTON, San Joaquin Co., Cal.—Until May 5, 11 A. M., bids will be received by Eugene D. Graham, county clerk, to construct pile trestle bridges across the Boulton (McDonald Island) Road and about five miles northwest of Holt, over a drainage canal on the Atherton road on King Island about 1½ mile west of King Island Bridge and across drainage canal on Newell road and about ½ mile east of Terminous. Certified check 10% payable to Chairman of the Board of Supervisors required with bid. Plans obtainable from County Surveyor Julius Manthey.

OROVILLE, Butte Co., Cal.—Until May 6, 2 P. M., bids will be received by C. F. Belding, county clerk, to construct bridge over Chico Creek on proposed route of Chico Canyon road. Plans obtainable from J. A. Baumgarner, county engineer.

SAN RAFAEL, Marin Co., Cal.—Until April 28, 1 P. M., bids will be received by Rob E. Graham, county clerk, to construct a reinforced concrete bridge at Dolciville on the Marshall-Petaluma road in Road District No. 5. Project involves:

- 104 cu. yds. Class A Portland Cement concrete in place;
- 9200 lbs. reinforcing steel in place;
- 1200 cu. yds. backfill.

Plans obtainable from Rodney Messner, County Surveyor, Courthouse, San Rafael.

SAN RAFAEL, Marin Co., Cal.—Until April 28, 11 A. M., bids will be received by Rob E. Graham, county clerk, to construct a reinforced concrete bridge at Moraga Ranch on the Chileno Valley Road in Road District No. 5. Projects involves:

- 53 cu. yds. Class "A" Portland cement concrete in place;
- 6300 lbs. reinforcing steel in place;

Plans obtainable from County Surveyor Rodney Messner, Courthouse, San Rafael.

REDWOOD CITY, San Mateo Co., Cal.—City votes bonds of \$7000 to finance construction of drainage culverts. C. L. Dimmitt, city engineer.

REDWOOD CITY, San Mateo Co., Cal.—City votes bonds of \$15,000 to finance construction of fifteen small bridges within the city limits. C. L. Dimmitt, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until April 25, 5 P. M., bids will be received by C. B. Goodwin, city manager, to construct two reinforced concrete bridges, one across Guadalupe river at Park Ave. and another across Los Gatos creek at Park Ave. Separate bids will be considered for each structure. Alternative bids will be considered for both bridges. Certified

check 10% payable to city required with bid. Plans obtainable from City Engineer Wm. Fopp on deposit of \$10, of which \$5 is returnable.

CAJALVERAS COUNTY, Cal.—Following three low bids received April 16 by State Highway Commission to construct a reinforced concrete girder bridge over Calaveritas Creek, three miles south of San Andreas, consisting of one 60-ft. span on concrete piers and six 30-ft. spans on concrete bents and abutments with rubble masonry wing walls:

Geo. J. Ulrich Const. Co., Modesto	\$18,037
George G. Wood, Fresno	15,826
Bodenhamer Const. Co., San Diego	19,689

PLUMAS COUNTY, Cal.—Following three low bids received April 16 by State Highway Commission to construct a reinforced concrete girder bridge over the fork of the Feather river at Chester, consisting of three 35-ft. spans on concrete pile bents:

A. T. Howe, Santa Rosa	\$10,990
R. B. McKenzie, Red Bluff	12,968
M. E. McGowan, San Francisco	14,624

SANTA ANA, Orange Co., Cal.—The state railroad commission has authorized the city of Santa Ana, Orange County, to construct Fourth St. at a separated grade under the track of the Southern Pacific and Santa Fe Railroad. The cost, estimated by commission engineers at about \$150,000, will be borne 90% by the city, 7½% by the Atchison, Topeka & Santa Fe and the remainder by the Southern Pacific.

VISALIA, Tulare Co., Cal.—Until May 5, 2 P. M., bids will be received by Gladys Stewart, County Clerk, to construct reinforced concrete bridge over Tule River (Bridge No. 57), involving 558.61 cu. yds. Class A concrete including excavation; 1024 lin. ft. concrete piles.

Materials will be furnished by county, f. o. b. Porterville.

Certified check 5% payable to Chairman of Bd of Sups. required with bid. Plans obtainable from County Surveyor T. W. Switzer.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor Geo. A. Kneese preparing plans to widen bridge over Alpine Creek at entrance to County Memorial Park, to 30 feet.

DREDGING, HARBOR WORKS & EXCAVATIONS

OAKLAND, Cal.—Until April 21, 4:30 P. M., bids will be received by G. B. Hegardt, secretary, City Port Commission, 424 Oakland Bank Bldg., for re-dredging (clam-shell) at oil wharf in Outer Harbor. Certified check 10% required with bid. Specifications obtainable from secretary on deposit of \$5, returnable.

IRRIGATION PROJECTS

CALIFORNIA—Following applications were filed during the month of March with the State Department of Public Works, Division of Water

Rights, for permits to appropriate water:

Application 6578 (Trinity Co.) New River Mining Co., % H. W. Hall, Box M. Corona, Calif., 40 c. f. s. from Quimby Creek tributary to New River, for mining purposes. Est. cost, \$10,000.

App. 6579 (Yolo Co.) Lars Jorgensen, Hobart Bldg., San Francisco, for 200 c. f. s. 100,000 ac. ft. per annum from Putah, Pope, Capell, Elicura Creeks tributary to Sacramento River, for domestic and industrial purposes. Est. cost \$3,900,000.

App. 6580 (Trinity Co.) R. E. Robards, Burnt Ranch, Calif., 2 c. f. s. from Jan. 1st to Dec. 31st from Dixie Creek tributary to New River, for mining and domestic purposes (½ acre domestic irrigation).

App. 6581 (Sutter Co.) C. Fred Holmes and R. E. Hughes, 41 Palm Ave., Woodland, 10 c. f. s. from East Dredge Cut of Sutter By-Pass tributary to Sacramento River, for recreational purposes.

App. 6582 (Sutter Co.) C. Fred Holmes and R. E. Hughes, 42.26 c. f. s. from East Dredge Cut of Sutter By-Pass tributary to Sacramento River, for irrigation purposes. Est. cost, \$15,000.

App. 6583 (Sacramento Co.) A. L. White, Sacramento, Calif., for 2.5 c. f. s. from March 1st to Oct. 15th of each season from Sacramento River, for irrigation purposes (80 acres). Est. cost, \$2000.

App. 6584 (Los Angeles Co.) John J. Johnson, Sunland, Calif., 0.25 c. f. s. from Jan. 1st to Dec. 31st from unnamed spring tributary to Los Angeles River Watershed, for domestic and irrigation purposes (83 acres). Est. cost, \$1500.

App. 6585 (Mono Co.) Ralph B. Lloyd Los Angeles, 100,000 ac. ft. per annum from East and West Walker River and Adobe Valley, for power purposes.

App. 6586 (Mono Co.) Ralph B. Lloyd, 100,000 ac. ft. per annum from East and West Walker River and Adobe Valley, for irrigation and domestic purposes on 50,000 acres.

App. 6587 (Contra Costa Co.) Henry R. Vail, % E. H. Frazier, 422½ D St., Marysville, 37 c. f. s. from Old River, Dredger Cut and Italian Slough tributary to San Joaquin River, for irrigation purposes. Est. cost, \$10,000.

App. 6588 (San Joaquin Co.) American Trust Co., 464 California St., San Francisco, 6 c. f. s. from Stanislaus tributary to San Joaquin River, for irrigation purposes. Est. cost, \$2500.

App. 6589 (Ventura Co.) Julius Olender, 1812 Tulare St., Fresno, for .04 c. f. s. from unnamed spring tributary to In Piru Cr. Watershed, for mining and domestic purposes. Est. cost, \$100.

App. 6590 (Plumas Co.) Telluric Mining & Smelting Co., Seattle, Wash., for .10 c. f. s. from Jan. 1st to Dec. 31st from unnamed rivulet tributary to (In Indian Creek Drainage Area), for mining purposes. Est. cost, \$200.

App. 6591 (Mendocino Co.) Hale Burger, Yorkville, Calif., 50 ac. ft. per annum from Rancheria Creek tributary to Navarro River, for irrigation and domestic purposes (10 ac.). Est. cost, \$1000.

App. 6592 (San Bernardino Co.) John M. Willoughby, 846 N. Hudson Ave., Los Angeles, $\frac{1}{2}$ c. f. s. from unnamed spring tributary to Mojave Desert, for domestic and irrigation purposes (40 acres). Est. cost \$600.

App. 6593 (Sutter Co.) Estate of California E. Hale, $\frac{1}{2}$ John E. Hale, Marysville, 1.75 c. f. s. from Feather River tributary to Sacramento River, for irrigation purposes. Est. cost, \$4200.

App. 6594 (Mendocino Co.) Snow Mountain Water & Power Co., San Francisco, 50 c. f. s. 14,500 ac. ft. per annum, from South Eel River tributary to Eel River, for irrigation purposes on 4905.9 acres. Est. cost, \$2,000,000.

App. 6595 (Kern Co.) Geo. O. H. Buchner, $\frac{1}{2}$ Walter C. Hintze, 1051 Subway Terminal Bldg., Los Angeles, 1 c. f. s. Jan. 1st to Dec. 31st of each season from well tributary to South Fork Rag Gulch, for mining and domestic purposes. Est. cost, \$15,000.

App. 6596 (Trinity Co.) A. M. Knapp, Weaverville, Calif., 30 c. f. s. from Big French Creek tributary to Trinity River, for mining purposes. Est. cost \$20,000.

App. 6597 (Nevada Co.) South Yuba Co. Ltd., $\frac{1}{2}$ W. E. Plank, Washington, Nevada Co., Calif., 40 c. f. s. from Scotchman Creek tributary to South Fork of Yuba River, for mining purposes. Est. cost, \$2200.

App. 6598 (Trinity Co.) Anton Weber, Trinity Alps, for 0.75 c. f. s. from Elk Gulch tributary to Stuarts Fork of Trinity River, for irrigation purposes (60 acres).

App. 6599 (Inyo Co.) J. F. Chrysler and E. H. Cook, Lone Pine, Calif., for 1 c. f. s. March 1st to Nov. 30th of each season from Carroll Creek tributary to Owens Lake, for irrigation and recreational purposes (20 acres). Est. cost, \$360.

App. 6600 (Sierra Co.) E. A. Humphreys, $\frac{1}{2}$ R. F. Taylor, Downieville, Calif., 25 c. f. s. from South Fork of North Fork of Yuba River tributary to Yuba River, for mining purposes. Est. cost, \$5000.

App. 6601 (Santa Clara Co.) G. T. Letcher, $\frac{1}{2}$ Louis Onela, First National Bank Bldg., San Jose, 45 ac. ft. per annum, from unnamed spring, for irrigation and domestic purposes.

App. 6602 (San Luis Obispo Co.) M. H. Stephens, San Luis Obispo, total 480 gallons per day from 2 springs tributary to Dry Creek, for stock-watering purposes. Est. cost \$400.

App. 6603 (Merced Co.) J. L. Firpo and John Careglio, $\frac{1}{2}$ Hugh K. Landram, Merced, 4 c. f. s. April 1st to Oct. 1st of each season from Merced River tributary to San Joaquin River, for irrigation purposes (329.7 acres). Est. cost, \$2200.

App. 6604 (Lake Co.) Martin Judge Jr. & Co., Crocker 1st National Bank Bldg., San Francisco, 250 c. f. s. 175,600 ac. ft. per annum, from North Fork Cache Creek tributary to Cache Creek for industrial and domestic purposes. Est. cost \$3,000,000.

App. 6605 (Lake Co.) Martin Judge Jr. & Co., 175,000 ac. ft. per annum, tributary to North Fork of Cache Creek, for irrigation purposes. Est. cost, \$1,000,000.

App. 6606 (San Mateo Co.) The Board of Trustees of the Leland Stanford Jr. University, A. F. Rath, Comptroller, Stanford University, Palo Alto, 10 c. f. s. 5300 ac. ft. per annum, from San Franciscoquito Creek, for domestic purposes. Est. cost, \$350,000.

App. 6607 (San Mateo Co.) The Board of Trustees of the Leland Stan-

ford Jr. University, 30 c. f. s. 5300 ac. ft. per annum, from San Franciscoquito Creek, for irrigation purposes. Est. cost \$350,000.

App. 6608 (Placer Co.) Bear River Water & Power Co., $\frac{1}{2}$ J. L. Rollins, Manager, Colfax, 111,020 ac. ft. per annum, from Bear River and its tributaries tributary to Feather River, for power purposes. (4250 H. P.) Est. cost, \$2,000,000.

App. 6609 (Del Norte Co.) Geo. C. Walton, Crescent City, 12 c. f. s. Jan. 1st to Dec. 31st from Rock Creek tributary to Smith River, for irrigation and domestic purposes. (1 $\frac{1}{2}$ acres). Est. cost, \$200.

App. 6610 (San Bernardino Co.) Alvin W. Bercaw, 917 W. 35th St., Los Angeles, 025 c. f. s. Jan. 1st to Dec. 31st, of each season, from 5 unnamed springs tributary to Mojave Desert, for irrigation and domestic purposes (50 acres). Est. cost, \$1500.

App. 6611 (San Diego Co.) Ocean-side Mutual Water Co., $\frac{1}{2}$ A. L. Sonderegger, 325 Central Bldg., Los Angeles, 1000 ac. ft. per annum from Calavera Creek tributary to Agua Hedionda Creek, for domestic and irrigation purposes.

App. 6612 (San Joaquin Co.) F. J. Dietrich and Geo. W. Leinster and Geo. A. Ditz, $\frac{1}{2}$ Neumiller & Ditz, 605 Bank of Italy Bldg., Stockton, 144 c. f. s. from Calaveras River tributary to San Joaquin, for irrigation purposes (15.46 acres).

App. 6613 (San Francisco Co.) L. F. Trumbull, 714 Sheldon Bldg., San Francisco, 200 gallons per day from unnamed spring tributary to Lower Echo Lake, for domestic purposes.

App. 6614 (Mono Co.) Lloyd Summers, Mammoth Lakes, .68 c. f. s. from Lake Mary tributary to Mammoth Creek-Owens River, for domestic purposes. Est. cost, \$4000.

TURLOCK, Stanislaus Co., Calif.—Alldrin and Anderson, Turlock, at \$2,749.25 awarded contract by Turlock Irrigation District for 32,344 sq. ft. concrete canal lining at 8 $\frac{1}{2}$ c. sq. ft. in District No. 3-A; also 20 ft. syphon at \$1.90 ft.

STREET LIGHTING SYSTEMS

SAN MATEO, San Mateo Co., Cal.—See "Streets and Highways," this issue. Bids wanted for electroliner system in connection with Aq. and Imp. District No. 1.

SAN MATEO, San Mateo Co., Cal.—City council petitioned to improve Fairfield, Arcadia, Barron, Fulta and Florin Aves. and all streets in San Mateo Villa Park, involving paving, sidewalks, sewers and installation of an ornamental street lighting system. Petitioned referred to City Manager E. P. Wilsey for report.

SAN FRANCISCO—Board of Supervisors will adopt ordinance shortly authorizing installation of ornamental lighting system in Hyde St. between Market and California streets. Will be financed through an assessment district.

PORTERVILLE, Tulare Co., Cal.—City Engineer Fred Pease instructed by city council to prepare plans for ornamental electroliner system in Main street, 51% of the property owners having agreed to installation of the system between Olive and Morton Streets.

MACHINERY AND EQUIPMENT

SACRAMENTO, Cal.—Moeller Auto Sales Co., Sacramento, at \$320 awarded contract by city council to furnish motor truck for use of City Engineering Department.

OAKDALE, Kern Co., Cal.—Until April 28, 7:30 P. M., bids will be received by Standard School District to furnish and deliver one transportation bus body and one transportation bus body. Specifications and further information obtainable from principal at school.

SAN FRANCISCO—Fageol Motors at \$25,897 submitted low bid to Board of Public Works to furnish and deliver three automobile busses to operate in connection with the Municipal Railway System. Complete list of bids follows:

Fageol Motors	\$25,897
Mack-International Co.	28,528
The White Co.	29,057
Hall -Scott Motor Car Co.	30,120

RAILROADS

HIGHGROVE, Riverside Co., Cal.—The Santa Fe Railway will construct by its own forces the 4 miles of second track between Highgrove and Riverside junction. No contract will be let. R. H. Tuttle, division superintendent, will have charge of the work. The estimated cost is \$225,000.

FIRE ALARM SYSTEMS

OAKLAND, Calif.—City council rejects bids to furnish and install automatic police alarm switchboard.

FIRE EQUIPMENT

HAYWARD, Alameda Co., Cal.—City defeats proposal to issue bonds of \$15,000 to finance purchase of fire truck and fire fighting apparatus; \$12 for the issue and 408 against, a two-thirds majority being required to carry the proposal.

CARMEL, Monterey Co., Cal.—City votes bonds of \$15,000 to finance purchase of motor fire engine and other equipment for municipal fire department.

RESERVOIRS AND DAMS

PALO ALTO, Santa Clara Co., Cal.—Until April 21, 4 P. M., bids will be received by J. F. Byxbee, City Engineer, to construct a reinforced concrete reservoir in park opposite Mayfield Depot near Oregon Ave. and Alameda St. Certified check 10% required with bid. Plans obtainable from city engineer.

CALAVERAS COUNTY, Calif.—See "Power Plants," this issue. City of Stockton seeks water rights to develop power, construct dam and pipeline for water system.

PLACERVILLE, El Dorado Co., Cal.—Directors of the El Dorado Irrigation District has ordered surveys made to increase the height of Weber Creek Dam 60 ft. above the present 80 ft. height. The cost will run between \$300,000 and \$400,000. Roger W. Browne is secretary of the district.

FRESNO, Fresno Co., Calif.—Raymond L. Quigley, city playground superintendent, seeks \$46,582 for operation of municipal playgrounds during the current year of which \$6,290 would provide for betterments and additions; \$493 for furniture and fixtures; \$1,037 for field equipment; \$4,760 for buildings and structures and \$3,271 for supplies and service.

PUNTE, Los Angeles Co., Calif.—Until 8 P. M., May 13, bids will be received by the Los Nietos-La Puente Valley County Water District, Puente, for furnishing a deep well turbine pump with a capacity of 175 inches.

Bids will also be received at the same time for drilling a water well, 20-in. in diameter, about 250 ft. deep.

Specifications obtainable from the secretary, Miss D. Kallgren, at Puente. E. Rambaud, superintendent.

PLAYGROUNDS & PARKS

BAKERSFIELD, Kern Co., Calif.—Bakersfield Hardware Co., submitted lowest regular bid to the city council at \$1622 (bidding on "Cyclone" type) for fencing for the city tennis courts at Jastro Park. Other bids were:

Carl A. Shaefer—Heavy type chain link, \$1977.10; light type, \$1553.22.

Bakersfield Sand, Stone & Brick Co.—Wickwire special type, \$2081.92.

J. E. Dwan, Inc.—Anchorpost fence, \$2137.40; Alt. 1, \$2003.48; Alt. No. 2, \$823.40; (No. 16-ga fish trap type).

Bids taken under advisement until April 14.

STREETS AND HIGHWAYS

SAN FRANCISCO.—Until April 23, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve south half of Lobos St. from point 275-ft. east of Plymouth Ave. to 400-ft. easterly, involving armored concrete curbs; 6-in. ironstone pipe side sewers; 6-in. concrete base pavement with 1½-in. asph. conc. surface. Estimated cost \$800. Certified check 10% payable to Clerk of the

REDWOOD CITY, San Mateo Co., Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Works instructed by supervisors to make survey and prepare estimates of cost for an oceanside boulevard from Van Ness Ave. to Baker's Beach.

OAKLAND, Cal.—Central California Roads, Inc., at \$2636.97 awarded contract by City Port Commission to pave apron wharf.

SAN FRANCISCO.—Board of Supervisors authorizes a \$25,000 appropriation to finance improvement at Ulloa street and 35th Ave., preparatory to the construction of the Sunset Blvd.

STOCKTON, San Joaquin Co., Cal.—Lily Willard & Biasotti, Stockton, at \$8475 submitted low bid to county supervisors to improve the Jas. L. Pearson Road. Ferriera & Reed at \$542 next low. Taken under advisement.

Cal.—No bids received by county supervisors April 14 under Resolution of Intention No. 20 to improve O'Keefe, Donohoe, Park and Height Sts., bet. Menalto Ave. and Willow Rd.; portions of James, Garden, Cloud Sts., Carmel Ave., etc., involving grading; combined hyd. cem. conc. curbs and gutter, walks; 3-in. asph. concrete surface on 4-in. waterbound macadam base; cem. conc. pipe storm water sewer; hr. catchbasins; 4-in. vit. pipe lateral sewers in Menalto Park. 1911 Act. Co. Imp. Act 1921. Geo. A. Kneese is county surveyor.

SAN RAFAEL, Marin Co., Cal.—County Surveyor Rodney Messner making surveys to pave road from San Geronimo to the Red Hill Road, going through Nicasio; approximately 7 miles in length. Surveys also ordered to pave road at McNear's Road to the forks leading to Santa Venetia, approx. ¼ mile in length.

SAN RAFAEL, Marin Co., Calif.—Bids will be asked at once by county supervisors, to be opened probably April 28, to pave road from Pt. Reyes to Inverness. Rodney Messner is county surveyor.

NAPA, Napa Co., Cal.—City council declares intention (534) to construct cement concrete sidewalks in portions of Georgia Street, 1911 Act. Hearing May 6. H. H. Thompson, city clerk. H. A. Harrold, city engineer.

OAKLAND, Cal.—Paris Bros., 2415 Oregon St., Berkeley, at \$29,410 awarded contract by county supervisors to grade portion of Skyline Blvd., involving 85,000 cu. yds. grading and 70,000 sta. yds. overhaul. Other bids: Geo. Pollock, Sacramento, \$30,090; Granfield, Farrar & Carlin, San Francisco, \$37,575.

LOS ANGELES COUNTY, Calif.—Following three low bids received by State Highway Commission April 16 to furnish and apply to the shoulders heavy fuel oil on 26.5 miles between the westerly boundary and Santa Monica:

Ben. F. Dupue, Los Angeles.....\$10,081
G. N. Huntley, Los Angeles.....12,253
Gilmore Oil Co., Ltd., L. A.....11,148

SIERRA COUNTY, Cal.—District Engineer, U. S. Bureau of Public Roads, San Francisco, recommends to Washington, D. C., an award of contract to J. P. Holland, 1834 McKinnon Ave., San Francisco, at \$63,450 to grade 3.10 miles of Section "D" of Route No. 26, Yuba Pass National Forest Highway, in Tahoe National Forest, Sierra County, involving: 84,645 cu. yds. unclassified excav.; 340 cu. yds. struc. excav.; 25,000 sta. yds. overhaul; 3.10 miles finish earth graded roads; 30 cu. yds. conc.; 1212 light ft. corr. metal pipe (in place); 500 cu. yds. hand laid rip rap; 400 cu. yds. hand laid rock embankment; haul and piling logs (lump sum); right-of-way monuments (in place), 114 in all.

SAN RAFAEL, Marin Co., Cal.—Until April 28, 11 A. M., bids will be received by Rob. E. Graham, county clerk, to improve 4.6 miles of highway from Point Reyes Station to Second Valley, Inverness, to be surface treated with Emulsified Asphalt and Screenings. Project involves:

425,000 sq. ft. emulsified asphalt and screenings in place.

Specifications obtainable from County Surveyor Rodney Messner, Court-house, San Rafael.

REDWOOD CITY, San Mateo Co., Cal.—City votes bonds of \$9000 to open Warwick St. to San Carlos and to pay one-half the cost of a bridge in connection with the extension. C. L. Dimmitt, city engineer.

ALPINE COUNTY, Cal.—Until April 30, 3 P. M., bids will be received by R. E. Pierce, district engineer, 502 State Office Bldg., Sacramento, to furnish and apply as a dust layer light fuel oil on 8.6 miles between Hangman's Bridge, approximately 1 mile southwest of Makleville.

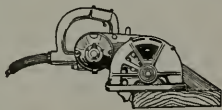
See call for bids under official proposal section in this issue.

SAN DIEGO-IMPERIAL COUNTIES Cal.—Following bids received April 1 by State Highway Commission to furnish and apply heavy fuel oil on shoulders of 35.4 miles of highway in various sections of San Diego and Imperial Counties:
Gilmore Oil Co., Los Angeles.....\$22,16
California Road Oil Service Co., Los Angeles.....23,08

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OAKLAND, Cal.—Until April 22, 10:30 A. M., bids will be received by Geo. E. Gross, county clerk, to improve south half of East 14th St., bet. San Leandro and Ashland, involving 6-in. concrete base pavement with 2-in. asph. surface. Plans obtainable from County Surveyor Geo. A. Posey.

RED BLUFF, Tehama Co., Calif.—City votes bonds of \$4,000 at recent election to finance curb and gutter survey within city limits.

YUBA COUNTY, Calif.—Following bids received April 16 by State Highway Commission to grade and pave with Portland cement concrete 0.9 mile through Wheatland:

C. W. Wood, Stockton.....\$31,296
Basich Bros. Const. Co., L. A.....33,441
Mathews Const. Co., Sacto.....55,604

OROVILLE, Butte Co., Cal.—County Road Engineer J. A. Baumgarner is making surveys for a road along east side of Chico Creek from Bidwell Park to the Mickey Ranch; will be approximately 4½ miles in length.

HUMBOLDT COUNTY, Nevada—Until April 30, 2 P. M., bids will be received by S. C. Durkee, state highway engineer, Carson City, to construct 18.60 miles of highway between Paradise Hill and Orovala, involving grading, structures and gravel surface. Deposit of \$15 required for plans obtainable from above

OROVILLE, Butte Co., Cal.—Tiffany, McReynolds & Tiffany, San Jose, at \$4155 (31c cu. yd.) awarded contract by county supervisors to grade Lower Wyandotte Road near the Hillcrest Orchards Tract, involving 13,500 cu. yds. earthwork. Engineer's estimate \$5130. Complete list of bids follows:

Tiffany, McReynolds & Tiffany.....\$ 4,185
Hemstreet & Bell, Marysville.....5,265
Daniel Bayles, Biggs.....5,670
J. A. Huntington, Oroville.....6,480
C. W. Wood, Stockton.....10,530

YREKA, Siskiyou Co., Cal.—Until April 26, 10 A. M., bids will be received by W. J. Neilson, county clerk, for bituminous surface treatment on Squaw Mountain Road from intersection with the State Highway south of Mt. Shasta extending to beginning of Winsor street in town of McCloud. Specifications obtainable from county surveyor.

HUMBOLDT COUNTY, Cal.—Englehart Paving & Const. Co., Eureka, at \$8,731.80 awarded contract by State Highway Commission to grade and surface with untreated crushed gravel or stone, 0.5 mi. between Arcata and Overhead Crossing, and 0.5 mi. east, involving 14,000 cu. yds. imp. borrow in place; 660 cu. yds. untreated crushed gravel or stone surf. in place; 50 M. gals. water applied to surf.; 20 cu. yds. struct. excav.; 3 8-in. ft. 12-in., 50 lin. ft. 24-in., 56 lin. ft. 26-in., and 114 lin. ft. 48-in. C. M. P., in place; 28 stations finish roadway; 8 monuments, complete in place.

MENDOCINO CO., Cal.—Basalt Rock Co., Napa, at \$10,342.08 (\$216 bbl.) awarded contract by State Highway Commission to furnish and apply light fuel oil as a dust layer on 38 miles between McDonald and Flynn Creek.

SANTA CRUZ COUNTY, Cal.—Jack Casson, Hayward, at \$5,186.50 awarded contract to furnish and apply fuel oil as dust layer on Junction Route 44 to Governor's Camp; Governor's Camp to Park Lodge and Governor's Camp to Saratoga Gap, involving 2,530 bbls. light fuel oil at \$2.05 bbl.

TUOLUMNE & MARIPOSA COUNTIES, Cal.—Ed. Hilliard, Sacramento, at \$11,584.60 awarded contract by State Highway Commission to furnish and apply oil as dust layer on 42.9 miles between Stevens Bar Bridge and Yosemite National Park, involving 1,750 bbls. light fuel oil in Location A and 2,640 bbls. light fuel oil in place, Location B.

SAN FRANCISCO.—Until April 23, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to construct Section "C" of the Alemany Blvd. Estimated cost \$26.00. Project involves:

42,000 cu. yds. excavation;
256 cu. yds. class B 2,500-lb. conc. in retaining wall;

50 cu. yds. class B 2,500-lb. conc. in reinforcing Winnipeg Ave. sewer;

44 cu. yds. class D 1,800-lb. conc. in reinforcing Winnipeg Ave. sewer;

3,000 brick in mortar furnished and placed in reinforcing Winnipeg Ave. sewer;

29,000 lbs. bar reinf. steel;
130 lin. ft. 12-in. V. C. P.;

13 12-in. x 6-in. wye branches;

1 brick manhole, complete;

4 brick manholes, to be raised to grade of Alemany Blvd.

Time for completion, 75 days. Plans obtainable from Bureau of Engineering, Department of Public Works, 3rd floor, city hall, on deposit of \$10, returnable.

SONORA, Tuolumne Co., Cal.—County Surveyor Robt. Thom making surveys to complete Blanket Creek-Tuolumne road from the Carne Ranch to town of Tuolumne, a distance of 2½ miles. Surveys will also be made for the extension of the Yankee Hill road to the Fuller-Longeway road.

SALINAS, Monterey Co., Cal.—Until April 25, 10 A. M., bids will be received by C. F. Joy, County Clerk, to surface Old Toll road from Castroville to Werners Hill in Supervisor District No. 1. Plans obtainable from County Surveyor Howard Cozzens.

SALINAS, Monterey Co., Cal.—Until April 25, 10 A. M., bids will be received by C. F. Joy, County Clerk, to surface portion of the Salinas River Road from end of existing oil mancadam to south boundary of Supervisor District No. 2. Plans obtainable from County Surveyor Howard Cozzens.

HOLLISTER, San Benito Co., Cal.—City council declares intention (16-C) to improve portions of Hawkins St., East St., South St., Third St., etc., involving 6-in. cem. conc. pavement on 4-in. gravel cushion; conc. curbs, gutters, driveway approaches; conc. catchbasins; vit. sewers, etc. 1911 Act. Estimated cost \$81,000. Hear-

ing April 28. Howard O'Brien, city clerk. A. M. McCray, city engineer.

SAN MATEO, San Mateo Co., Cal.—Until April 21, 8 P. M., bids will be received by E. W. Foster, city clerk, for improvements in Acq. and Imp. Dist. No. 1, involving grading; 6-in. conc. base pavement with 2-in. asph. conc. surface; const. reinf. conc. bridge; comb. conc. curbs and gutters; cem. walks; 8-in. and 4-in. vit. pipe lateral sewers; br. manholes; 10-in. cem. conc. pipe storm water sewers; electrolifer lighting with underground system. Work under Acq. and Imp. Act. 1925. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

SAN FRANCISCO.—As previously reported, Meyer Rosenberg, 12 Oak Grove Ave., at \$55,859 submitted low bid to Board of Public Works to improve Corbett Ave. bet. Clayton and 24th Sts., involving grading; concrete retaining walls; vit. clay pipe sewers; asph. conc. pave. Complete list of bids follows:

M. Rosenberg.....\$55,859
Fay Imp. Co.....56,466
California Const. Co.....57,317
C. L. Harney.....57,682
A. G. Ralsch.....62,685
Pacific States Const. Co.....63,190
M. J. Lynch.....64,101
E. J. Treacy.....68,701

SALINAS, Monterey Co., Cal.—Until April 21, 7:30 P. M., bids will be received by M. R. Keef, city clerk, (86) to improve portions of Front St. and Gabillan St., involving grading; hyd. cem. conc. curbs; 5-in. hyd. cem. conc. pavement; hyd. cem. conc. walks, catchbasins, manholes; 10-in. corr. iron pipe culverts. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Howard Cozzens, city engineer.

SALINAS, Monterey Co., Cal.—City council declares intention (87) to improve Spring St., bet. Griffin and Summer Sts., and Summer St. from east boundary of Spring and Abbotts Addition to point 14 ft. east of Front St., involving grading hyd. cem. conc. curbs; 5-in. hyd. cem. conc. pavement; hyd. cem. conc. walks. 1911 Act. Bond Act 1915. Hearing May 5. M. R. Keef, city clerk. Howard Cozzens, city engineer.

HUMBOLDT COUNTY, Cal.—Until May 7, 2 P. M., bids will be received by State Highway Commission to grade and pave with Portland cement concrete, 4.3 miles between Fortuna and Loloeta.

See call for bids under official proposal section in this issue.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments; Blacksmithing and Welding.

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 ZOE ST., bet. 3rd and 4th, off Brannan St.

Phone KEarny 1885

SAN FRANCISCO

SAN FRANCISCO.—Meyer Rosenberg, 12 Oak Grove Ave., at \$3,924 submitted lowest regular bid to the Board of Public Works to improve Harrison St. bet. First and Essex Sts., involving resetting of granite curbs; side sewers; 2-course concrete sidewalks; 2-in. asph. conc. surface pavement on 6-in. class F conc. base. Complete list of bids follows:

E. J. Treacy.....	*\$3,909
M. Rosenberg.....	3,924
C. L. Harney.....	4,489
Fay Imp. Co.....	4,501

*Treacy's bid declared invalid due to insufficient amount provided by certified check.

SAN JOAQUIN COUNTY, Cal.—Until May 7, 2 P. M., bids will be received by State Highway Commission to grade and surface with untreated crushed gravel or stone, 0.7 mile between Lodi and ¼ mile north of the Mokelumne river.

See call for bids under official proposal section in this issue.

DEL NORTE COUNTY, Cal.—Until May 7, 2 P. M., bids will be received by State Highway Commission to surface with untreated crushed gravel or stone, 15.2 miles between Smith River and Patricks Creek.

See call for bids under official proposal section in this issue.

SAN MATEO, San Mateo Co., Cal.—City council petitioned to improve Fairfield, Arcadia, Barron, Fulta and Florin Aves., and all streets in San Mateo Villa Park, involving paving, sidewalks, sewers and installation of an ornamental street lighting system. Petition referred to City Manager E. P. Wilsey for report.

LYON COUNTY, Nevada—Until April 23, 2 P. M., bids will be received by S. C. Durkee, state highway engineer, Carson City, to grade; construct structures and place surfacing material on 22.47 miles bet. Towle Ranch and Fernley.

LYON COUNTY, Nevada—Until April 23, 2 P. M., bids will be received by S. C. Durkee, state highway engineer, Carson City, to grade; construct structures and place surfacing material on 11.73 mi. bet. Yerington and Wilson's.

LYON AND CHURCHILL COUNTIES, Nevada—Until April 23, 2 P. M., bids will be received by S. C. Durkee, state highway engineer, Carson City, to furnish and apply asphaltic fuel oil to crushed rock or crushed gravel surface between ¼ mi. west of Fernley and Fernley and from 3 mi. east of Fernley to Leeterville, a distance of 17.98 miles.

SALINAS, Monterey Co., Cal.—Bids will be asked at once by county supervisors to surface Salinas River Road from end of present macadam pavement to boundary of Supervisor District No. 2. The bids will probably be opened April 25. Howard Cozzens is county surveyor.

LOS BANOS, Merced Co., Cal.—Until May 5, 6 P. M., bids will be received by W. L. Garrison, Clerk, West Side Union High School District, to construct 515 lin. ft. 5 ft. wide, more or less, sidewalks in Sixth St. from Legion Hall to State Highway. Plans obtainable from above.

REDWOOD CITY, San Mateo Co., Cal.—Until April 21, 8 P. M., bids will be received by B. E. Myers, city clerk (M-2) to improve Ebener Street from Roosevelt Ave. to Oak Ave., involving grading; cem. conc. curbs, gutters, walks. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. C. L. Dimmitt, city eng.

REDWOOD CITY, San Mateo Co., Cal.—Until April 21, 8 P. M., bids will be received by B. E. Myers, city clerk (M-1) to improve Lexington Ave. between Grand Street and Central Park Subdivision, Grand St. from Lexington Ave. to point 420 ft. SE; Iris St. from Vera Ave. to point 1.5 ft. SE of Roosevelt Ave., involving grading; comb. concrete curbs and gutters; 2½-in. asph. conc. base pavement with 1½-in. asph. conc. surface, all on a 3-in. broken stone cushion and Oak Ave. bet. Sequoia and Sierra Sts., involving grading; cem. conc. gutters; 2½-in. asph. conc. base course with 1½-in. asph. conc. surface pavement with 3-in. broken stone cushion. 1911 Act. Bond Act 1915.

Certified check 10% payable to city required with bid. Plans on file in office of clerk. C. L. Dimmitt, city eng.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Until April 21, 7:30 P. M., bids will be received by Callie M. John, city clerk, (311) to improve portions of Santa Rosa, Fig and Stenner Sts., involving grading; 6-in. and 8-in. hvd. cem. conc. paving etc. Est. cost, \$18,000. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. L. Moore, city engineer.

OAKLAND, Cal.—City Council declares intention to install ornamental street lighting with underground system in portions of 17th St., between San Pablo Ave. and Harrison St. and in portions of San Pablo Ave. and Franklin St., adjacent to 17th St., involving 15 duplex standards. 1911 Act. Hearing May 1. Frank C. Merritt, city clerk.

SANTA ROSA, Sonoma Co., Cal.—Until April 21, 12 noon (to be opened 1:30 P. M.) bids will be received by Geo. P. Sanborn, county clerk, for asphaltic oil surfacing on Graton-Occidental road, 5 miles, and Mollino-Occidental road, one mile, in the 2nd and 5th Supervisorial Districts, involving:

- 900 tons crushed rock;
- 600 tons screenings or pea gravel;
- 120 tons heavy oil;
- 240 bbls. light oil.

Specifications obtainable from E. A. Peugh, county surveyor.

SANTA ROSA, Sonoma Co., Cal.—Until April 21, 12 noon (to be opened 1:30 P. M.) bids will be received by Geo. P. Sanborn, county clerk, for asphaltic oil surfacing on Alton Road from Gravenstein Highway, two miles in 2nd Supervisorial District, involving:

- 300 tons crushed rock;
- 200 tons screenings;
- 40 tons heavy oil;
- 80 bbls. light oil.

Specifications obtainable from E. A. Peugh, county surveyor.

SIERRA COUNTY, Cal.—J. P. Holland, 1834 McKinnon Ave., San Francisco, at \$63,450 submitted low bid to U. S. Bureau of Public Roads, 461 Market St., San Francisco, to grade 3.10 miles of Section "D" of Route No. 26, Yuba Pass National Forest Highway, in Tahoe National Forest, Sierra County, involving: 80,645 cu. yds. unclassified excav.; 340 cu. yds. struc. excav.; 28,000 sta. yds. overhaul; 3.10 miles finish earth graded roads; 30 cu. yds. conc.; 1,212 lin. ft. corr. metal pipe (inplace); 500 cu. yds. hand laid rip rap; 400 cu. yds. hand laid rock embankment; haul and piling logs (lump sum); right-of-way monuments (in place), 114 in. all.

SANTA ROSA, Sonoma Co., Calif.—Until April 21, 12 noon (to be opened 1:30 P. M.) bids will be received by Geo. P. Sanborn, county clerk, for asphaltic macadam surfacing on Petaluma to Sonoma Highway, 4.6 miles, in 1st Supervisorial District, involving:

- 1,800 tons crushed rock;
- 450 tons screenings;
- 180 tons heavy oil.

Specifications obtainable from County Surveyor E. A. Peugh.

SANTA ROSA, Sonoma Co., Calif.—Until April 21, 12 noon (to be opened 1:30 P. M.) bids will be received by Geo. P. Sanborn, county clerk, for asphaltic oil surfacing road from El Verano to State Highway, 7 miles, in 1st Supervisorial District, involving:

- 1,050 tons crushed rock;
- 700 tons pea gravel or screenings;
- 140 tons heavy oil;
- 420 bbls. light oil.

Specifications obtainable from County Surveyor E. A. Peugh.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street, phone Kearny 1252:

D-3441—Representation in East. New York City. Service organization interested in securing manufacturers in California to open agencies in New York. Their service embraces the purchase and sale of products of all kinds for the account of their clients and representation in any other capacity that may be desired.

D-3442—Representation in Portland, Ore. Firm interested in representing San Francisco manufacturers on brokerage basis in northern territory.

DO NOT RISK AN EXPERIMENT

SPECIFY -- USE

Tempie Hydrated Lime

STRONG—PURE—PLASTIC

Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT, AND SAND FLOAT FINISH

Sold by Representative Dealers Everywhere

D-3443—Airplane Material. Los Angeles, Cal.—Concern interested in receiving bids on materials to be used in the manufacture of airplanes, either small, medium or large quantities.

D-3444—Food Truck. San Francisco, Calif. Distributors wanted for new, fast selling high class product. Exclusive territory to those who qualify. All cash business. Quick profits.

D-3445—Distributor. Oakland, Calif. Concern interested in securing small meritorious article, manufactured by San Francisco concern, to distribute on Pacific Coast.

D-3447 — Bedding Representative. Philadelphia, Pa. Concern interested in securing representation in San Francisco for white goods, bedding, etc.

D-3448—District Dealer. Los Angeles, Calif. Party who now has California distribution for oil, would like to secure representation in this city.

D-3450 — Veneer Representative. Louisville, Ken. Concern interested in securing individual or firm well acquainted with panel, furniture, fixture and interior trim trade, to represent them.

20017—Agency. Brussels, Belgium. Manufacturer of all kinds of velvet for upholstering floor coverings, table covers, etc., is seeking a local agent to work on a commission basis.

20018—Representation. New York City. Frenchman, who is to arrive in New York the latter part of this month, wishes to obtain the agency in France for a number of local manufacturers. References on file.

20021—Culverts. Casablanca, Morocco. Party handling agricultural machinery is inquiring for catalogues and prices of culverts.

20029—Mohair and Small Hardware. Hilo, P. I. General broker wants to buy green, granite and black mohair by pieces, sample on file. Also wishes to buy secondhand mohair from upholsterers. He is desirous of communicating with manufacturers of bolts, steel plates, carbon steel bars, screws, angles, rivets, nails, hose, etc.

20033—Pumps for California. San Francisco, Calif. Factory branch of a national manufacturer of pumps is interested in making connections for sales within countries contiguous to the Pacific. Handles a full line of low and high head small to largest capacities pumps, conventional centrifugal design and self-priming for food, chemical, and mining applications made in all metals, including stainless steel.

20035—Representation. San Francisco, Calif. Party wishes to communicate with firms that are interested in obtaining representation in the United Kingdom for California products. Available for interview.

20036—Representation of California Products. San Francisco, Cal. A business firm of high repute located in Bremen, Germany, is desirous of representing California products in Germany. Local reference.

SAN FRANCISCO—The San Francisco Chamber of Commerce is in possession of name of party who would like to represent any concern who wishes to develop sales on the Coast, and to whom a thorough knowledge of business conditions and physical conditions would be of value along the line of merchandise and product. Further information is obtainable from the Chamber of Commerce. Refer to Trade Tip D-3453.

A. P. Yaumeshef, 128 Iris St., Redwood City, Calif., wishes to represent

firm or established branch of firm in Redwood City or San Mateo and Santa Clara County.

E. K. Rice, Sales Promotion, Campbell Laboratories, Inc., 75 Hudson St., New York City, is seeking a good crew-manager for San Francisco and surrounding territory who would be interested in the distribution of a household and automobile necessity of genuine merit.

OFFICIAL PROPOSALS

STATE OF HIGHWAYS DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on May 7, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Del Norte County, between Smith River and Patricks Creek (I-D-N-1-C & D), about fifteen and two-tenths (15.2) miles in length, to be surfaced with untreated crushed gravel or stone.

Humboldt County, at Scotia and between Fortuna and Lolo (I-Humb-1-E, G), about four and three-tenths (4.3) miles in length, to be graded and paved with Portland cement concrete.

San Joaquin County, between Lodi and 1/4 mile north of Mokelumne River (X-S-J-4-C), about seven-tenths (0.7) mile in length, to be graded and surfaced with untreated crushed gravel or stone.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all

bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

C. H. PURCELL,

State Highway Engineer.

Dated April 9, 1930.

GERMANY DEMANDING AMERICAN DOUGLAS FIR

While the German market for American lumber during February exhibited a rather weak tendency, German buyers continued to demand Douglas fir in increasing quantities, according to a report from James T. Scott, Trade Commissioner at Hamburg, to the Lumber Division of the Department of Commerce.

The demand for foreign lumber, it is stated, "moved along rather narrow lines," and "smaller arrivals of certain lumber appeared to be adapting themselves to reduced consumption."

Although arrivals of American logs and hewn timber are said to have been smaller than during February of former years, this being particularly true of hickory, they were more than adequate.

Due to the unfavorable conditions in the building trade, mills are buying logs sparingly, and no improvement in the market for lumber is expected in the near future. Despite an unfavorable trend of activity in the furniture industry, imports of plywood are said to be gradually increasing. A reduction in sales is reported by the German plywood industry, which has petitioned the government for higher protective import tariffs.

A decline in activity in the box making industry is attributed in a small measure to imports from neighboring countries, which have an inflated currency. A merger of several cigar box producing concerns has quickened the demand for wood for this purpose. Unfavorable conditions are reported in the shipbuilding industry, formerly a very important consumer of lumber and wood products and a fair trend is reported in the carriage industry.

In general it may be said that conditions in the German woodworking industry are far from satisfactory, and due to poor consumption, competition in the various branches of trade is very acute and prices are consequently depressed.

The Permanent Committee on the simplification of varieties and sizes of Vitrified Paving Brick, meeting in Washington, D. C., on April 1, unanimously reaffirmed Simplified Practice Recommendation No. 1-29—Vitrified Paving Brick, without change, for another year. A survey made by the National Paving Brick Manufacturers' Association was used as a basis for discussion. This survey showed that the six recognized sizes of paving brick, as adopted last year, represented 87 per cent of the total shipments for 1929. No other sizes showed sufficient increase in production to warrant inclusion in the recognized list.

Net sales of the General Paint Corporation for 1929 amounted to \$7,006,468, as compared with \$5,799,725 in the previous year. The net income, however, was \$542,977 as against \$557,405, and the net profits applicable to dividends were \$508,348 in contrast to \$539,432 in 1928. Despite this small falling off, due to general business conditions, the company's outlook for 1930 is highly encouraging, according to the report released through E. H. Rolins & Sons.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
431	Bacigalupi	Owner	17000
432	Bender	Owner	4000
433	Dailey	Mattock	3000
434	Doelger	Owner	4500
435	Debrincat	Owner	7000
436	Gump	Widney	14000
437	Langendorf	Barrett	25000
438	Perasso	Owner	3500
439	Heyman	Owner	9000
440	Equi	Owner	2500
441	Lewis	Savage	4000
442	Moffatt	Barrett	7000
443	Meyer	Owner	4000
444	Piconi	Owner	1500
445	Verner	Owner	3300
446	Roussell	Marian	7000
447	Queiroli	Murer	6000
448	Elkington	Owner	7000
449	Falvey	Falvey	130000
450	Foster	Murray	3765
451	Holmgren	Owner	3500
452	Morgan	Owner	1000
453	Sectina	Petz	2000
454	Shilsaaf	Hoyt	1000
455	Standard	Owner	4500
456	White	Owner	3500
457	Barsocchini	Johnson	6000
458	Dunbar	Callaghan	1700
459	Farnsworth	Johnson	2000
460	Jones	Owner	5500
461	Mack	Anderson	3000
462	McDonough	Rogers	4500
463	Bessler	Mooney	1500
464	Berni	Sharman	8000
465	Hoyt	Owner	9300
466	Schwalbe	Augustine	30000
467	Stoneson	Owner	21000
468	Bacigalupi	Owner	4000

RESIDENCE

(431) S FILBERT 200 E Scott; two-story and basement frame residence.

Owner—G. Bacigalupi, et al, 605 Market St.

Architect—Powers and Ahnden, 605 Market St. \$17,000

APARTMENTS

(432) S O'FARRELL ST. 40 W Broderick St.; two-story and basement frame (2) apts.

Owners—E. and A. Bender, 2233 O'Farrell St.

Architect—None. \$4000

ALTERATIONS

(433) 3747 JACKSON ST.; alterations to front of dwelling.

Owner—G. Dailey, 425 Mason St. Plans by Owner.

Contractor—Mattock and Feasy, 210 Clara St. \$3000

DWELLING

(434) W 38th AVE. 75 S Judah St.; one-story and basement frame dwelling.

Owner—H. Doelger, 1391 8th Ave.

Architect—None. \$4500

DWELLINGS

(435) N NEWCOMB 25 E Phelps; two 1-story and basement frame dwellings.

Owner and Builder—G. Debrincat, 1734 Newcomb Ave.

Architect—None. each \$3500

RESIDENCE

(436) MARINA BLVD. 150 W Avila; two-story and basement frame residence.

Owner—R. L. Gump, 1450 Greenwich Street.

Architect—B. Davis, S. & G. Gump Co.

Contractor—J. Widney, 459 Fell St. \$14,000

GARAGE

(437) SW COR. 18th and Shotwell; one-story concrete private garage.

Owner—Langendorf United Bakeries, Inc., 1160 McAllister St.

Engineer—Ellison & Russell, 712 Pacific Bldg.

Contractor—Barrett & Hilp, 913 Harrison St. \$25,000

DWELLING

(438) W MOSCOW 25 S France; one-story and basement frame dwelling.

Owner—B. Perasso, 811 Athens St.

Architect—None. \$3500

DWELLINGS

(439) E 30th AVE. 200 N Fulton St.; two 1-story and basement frame dwelling.

Owner—Heyman Bros., 742 Market St.

Architect—None. each \$4500

ALTERATIONS

(440) 2349 HOWARD ST.; alterations for (3) apts.

Owner—J. F. Equi, 2801 Howard St.

Architect—None. \$2500

REPAIRS

(441) 226 SIXTH ST.; repair fire damage.

Owner—Miss F. Lewis, 3766 Clay St.

Architect—None.

Contractor—W. A. Savage, 624 Urbano Drive. \$4000

ALTERATIONS

(442) SE ARTHUR & THIRD ST.; alterations to abattoir and cold storage.

Owner—H. Moffatt Co., Crocker First National Bank Bldg.

Architect—None.

Contractor—Barrett & Hilp, 918 Harrison St. \$7000

DWELLING

(443) N AGUA 93 E Chares; one-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr.

Architect—None. \$4000

OFFICE & STOREROOM

(444) E GILBERT 180 N Brannan St.; two-story frame storeroom and office.

Owner—J. Piconi, 383B 21st Ave.

Architect—None. \$1500

DWELLING

(445) E 23rd AVE. 200 S Moraga; 1-story and basement frame dwelling.

Owner—J. H. Verner, 400 Staples Ave.

Architect—None. \$3800

ALTERATIONS

(446) 1030 MARKET ST.; alterations for candy store and restaurant.

Owner—A. F. Rousseau, 110 Sutter St.

Plans by Dohrmann Hotel Supply Co.

Contractor—Marian Realty Co., 110 Sutter St. \$7000

FLATS

(447) N KENT 60 W Mason St.; two-story and basement frame (2) flats.

Owner—G. Queirolo, 1 Kent St.

Designer—L. Dallorso, 32 Jansen St.

Contractor—L. Murer & Co., 1315 Mason St. \$6000

DWELLING

(448) SW COR. VICENTE and 14th Ave.; two-story and basement frame dwelling.

Owner—G. K. Elkington & Sons, 330 Vicente St.

Architect—C. F. Strothoff, 2274 15th Street. \$7000

(24) apts.

(449) N CLAY ST. 112 W Franklin; six-story and basement class C

APARTMENTS

Owners—A. J. Falvey, M. W. Harriman, 1950 Clay St.

Architect—H. C. Baumann, 251 Kearny Street.

Contractor—A. J. Falvey, 1950 Clay Street. \$130,000

ALTERATIONS

(450) 470 SUTTER ST.; alterations to store for lunch room.

Owner—Foster Lunch Co., 986 Mission Street.

Plans by Builder.

Contractor—A. B. Murray, 525 4th St. \$3765

DWELLING

(451) N MADRID 125 W Italy; one-story and basement frame dwelling.

Owner—V. Holmgren, 55 Allison St.

Architect—None. \$3500

ALTERATIONS

(452) SW CHESTNUT and Larkin St.; alterations to lobby of apartment house.

Owner—W. R. Morgan, trustee, 79 Post Street.

Architect—None. \$1000

ALTERATIONS

(453) 1255 GOETTINGEN; alterations to raise dwelling for private garage.

Owner—Mrs. L. Soetina, 1255 Goettingen.

Architect—None.

Contractor—P. Petz, 244 Wilde Ave. \$2000

ALTERATIONS

(454) 1111 MARKET ST.; alterations for stores.

Owner—M. Shilsaaf Indemnity Co.

Architect—G. Cantrell, 45 2nd St.

Contractor—H. Hoyt, 45 2nd St. \$1000

DWELLING

(455) W 25th AVE. 100 S Rivera; 1-story and basement frame dwelling.

**Capital City Title
Company**
J. C. PALEN
Manager

914 Seventh Street

Sacramento - California

Owner—Standard Bldg. Co., 218 Cas-
tenada.
Architect—None. \$1500

DWELLING
(456) W 29th AVE. 400 S Lawton St.;
one-story and basement frame
dwelling.
Owner—E. S. White, 533 Market St.
Plans by C. Kett, 530 Market St.
\$3500

ALTERATIONS
(457) 157 ELLIS St.; alterations to
apartments.
Owner—Barsocchini & Arata, 539 Clay
Street.
Architect—None.
Contractor—L. Johnson, 729 Occident-
al Ave. \$6000

REPAIRS
(458) 2777 HOWARD ST.; repair fire
damage.
Owner—Mrs. Dunbar, 2777 Howard St.
Architect—None.
Contractor—J. Callaghan, 900 Clayton
Street. \$1700

SHEDS
(459) S FEDERAL 200 W 1st, two 1-
story frame storage sheds.
Owner—Farnsworth and Ruggles, 109
Davis St.
Architect—None.
Contractor—L. Johnson, 729 Occident-
al Ave. each \$1000

DWELLING
(460) NE 15th AVE. & Ulloa; 2-story
and basement frame dwelling.
Owner—T. M. Jones, 643 29th Ave.
Architect—None. \$5500

APARTMENTS
(461) W 25th AVE. 100 N Kirkham;
one-story and basement frame (2)
apartments.
Owner—E. Mack, Turk and Scott Sts.
Architect—J. H. Powers and J. H.
Ahnden, 605 Market St.
Contractor—E. A. Anderson, 1177 De
Haro St. \$8000

DWELLING
(462) W 22nd AVE. 50 N Moraga; 1-
story and basement frame dwell-
ing.
Owner—J. McDonough, 148 Randall.
Architect—None.
Contractor—J. W. Rogers, 1695 21st
Avenue. \$4500

REPAIRS
(463) 435 GOLDEN GATE AVE.; re-
pair fire damage.
Owner—C. A. Rossier, 430 California.
Architect—None.
Contractor—W. J. Mooney, 68 Belcher
Street. \$1500

FLATS
(464) E UTAH 37 N 18 St.; two-story
and basement frame (2) flats.
Owner—V. Berni, care builder.
Architect—None.
Contractor—T. R. Sharman, 1514 Irv-
ling St. \$8000

DWELLING
(465) NW cor. 27th AVE. & Cabrillo;
two-story and basement frame
dwelling.
Owner—H. P. Hoyt, 45 2nd St.
Architect—G. M. Cantrell, 45 2nd St.
\$9800

ALTERATIONS
(466) 1537 GREENWICH ST.; altera-
tions to (18) apts.
Owner—S. Schwalbe, 1537 Greenwich
Street.
Plans by B. K. Dobkowitz, 425 Mont-
erey Blvd.
Contractor—Augustine & Oertel, 1566
Church St. \$30,000

DWELLINGS
(467) N GENEVA 95 E Cayuga; six
one-story and basement frame
dwellings.

Owner and Builder—Stoneson Bros. &
Thorinson, 279 Yerba Buena Ave.
Architect—C. F. Strothoff, 2274 15th
Street. each \$3500

DWELLING
(468) NW BADIN & HEARST; one-
story and basement frame dwell-
ing.
Owner—L. Bacigalupi, 871 San Jose
Avenue.
Architect—None. \$4000

BUILDING CONTRACTS

San Francisco County

No. Owner	Contractor	Amt.
73 Hosmer	Thollander	1700
74 Lee Wing	Siegrist	6826
75 Bacigalupi	De Luca	22400

ALTERATIONS
(73) NO. 447 SEVENTEENTH AVE
All work for alterations to two-
story frame residence.
Owner—F. W. Hosmer, Premises.
Architect—Owner.
Contractor—Thollander Constr. Co.,
154 Leavenworth St., San Fran-
cisco.
Filed April 12, '30. Dated April 5, '30.
Plastering completed\$650
When completed 625
Usual 35 days 425
TOTAL COST, \$1700
Bond, \$1700. Sureties, E. M. Hundley
and A. Nelson. Limit, 30 days For-
feit, \$10. Plans and specifications
filed.

REMODELING
(74) 1624-26 LARKIN ST.; all work
for remodeling 2-story frame bldg.
Owner—Lee Wing and Hong Bock
Shing.
Architect—None.
Contractor—F. R. Siegrist, 693 Mission
street.
Filed Apr. 16, 1930. Dated Apr. 15, 1930
Weekly payments 75%
Usual 35 days 25%
TOTAL COST, \$6826
Limit, 30 days. Plans and Spec. filed.

RESIDENCE
(75) S FILBERT 200-10% E Scott S
137-6 E E 37-1%; all work except
painting and excruciating work
on 2-story and basement residence
Owner—Gisella Bacigalupi, 2334 Jones
Street.
Architect—John H. Powers and John
H. Ahnden, 605 Market St.
Contractor—De Luca & Son, 16 Cali-
fornia St.
Filed April 16, '30. Dated Apr. 15, '30.
First floor joists in place\$1200
Rough frame, rough plumbing
and heating completed 4200
Interior plaster completed and
exterior second coated 4200
Completed and accepted 4200
Usual 35 days 5600
TOTAL COST, \$22,400
Bond, \$11,200. Sureties, Detroit Fi-
delity & Surety Co. Limit, 120 days.
Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted
April 9, 1930—NW CAMINO DEL
Mar 37-932 NE station 3 N 45° 52'
W 145-940 N 59° 8' E 25-933 S 56°
20' E 132-271 th 50 to beg. R A
and M E Ilgt to Wm Martin.....
April 4, 1930
April 9, 1930—N SACRAMENTO St
130-11 W Kearny St W 19-6 X N
60. Tom King Tuck to P Sario
April 8, 1930
April 9, 1930—LOT 22 BLK 6159, 32
Crocker Amazon Tract Sub No. 2.
J H and P Bliss to John Bjork-
man.....April 9, 1930

April 9, 1930—LOT 10 BLK 2959 map
Sub No 4 Miraloma Park. The
McCarthy Co to Meyer Bros.....
March 31, 1930
April 9, 1930—W 34th AVE 375 S
Lincoln Way S 25 X W 120. Thos
Hughes to Sam Goss.....April 9, 1930
April 9, 1930—W 17th AVE 146 N
Lawton St N 25 X W 120. M and
N Costello to whom it may concern
.....April 9, 1930
April 9, 1930—W 34th AVE 375 S
Lincoln Way S 25 X W 120. Thos
Hughes to whom it may concern.....
April 9, 1930
April 9, 1930—N 18th 125 W Noe
W 25 X N 100. Wolsey A and Lucy
Sloan to Harry Sparrow.....
April 7, 1930
Correction in Location.
April 8, 1930—S CHESTNUT 136 E
Divisadero S 137-6 X E 25. Don-
ald S Kavanagh to whom it may
concern.....April 8, 1930
April 10, 1930—N JACKSON 79-9 W
Cherry W 77-6 N 90 NE 77-6 W 92.
B J Feigenbaum to Mattock and
Feasey.....April 9, 1930
April 10, 1930—1875 PACIFIC AVE
S Pacific Ave 100-6 E Gough St
56x120. T B Strand to whom it
may concern.....April 10, 1930
April 10, 1930—LOCATION NOT
Given. 1998 Vallejo St, Ltd to
Mission Concrete Co.....April 10, 1930
April 10, 1930—NE FREMONT 160-5
and 206-3 SE Folsom SE 45-10 X
NE 70. The Lurie Co to Indus-
trial Const Co consisting of S B
Bagge.....April 9, 1930
April 10, 1930—NE DARIEN WAY
about 91 SE from Westgate Drive
41x90. S Larsen and Vincent P
Laguens to whom it may concern
.....April 9, 1930
April 10, 1930—NW MISSION 360-79
NE Seneca 25-79 on Mission. An-
drew Greppi to Harry W Strong.....
April 7, 1930
April 10, 1930—S LAKE 60-402 W
30th Ave W 121-486 S 117-027 E
120-043 N 104-499. Harry B Allen,
Inc to D B Gladstone.....
March 27, 1930
April 10, 1930—LOTS 1 and 2 BLK
225 maps ptn bks 234 and 225
Richmond District. M B and Inez
M Clipper.....April 8, 1930
April 10, 1930—LOTS 9, 10, 11, 12
BLK 691A Sub No 1, Geneva Ter-
race. H and H Stoneson to whom
it may concern.....April 9, 1930
April 10, 1930—LOT 11 BLK 10,
Sunnyside. H and H Stoneson to
whom it may concern.....April 9, 1930
April 12, 1930—NE FITZGERALD
Ave 150 NE from E cor Charter
Oak Ave. Margaret and Thomas
Feneck to Thos F Loftus.....
April 12, 1930
April 12, 1930—LOT 32 Map of Lyon
& Hoag's Sub of Ashbury Terrace.
Mr and Mrs B H Tietzen to M C
Rench.....March 1, 1930
April 12, 1930—E BRUSSELS ST 175
S Wayland St S 25 X E 120. J and
R B Neville to whom it may con-
cern.....April 11, 1930
April 12, 1930—E 7th AVE and Irv-
ing St S 75 E 95. Union Oil Co
of California to W C Cone.....
April 12, 1930
April 11, 1930—E FOURTH 20 S
Folsom S 140xE 57-6 known as No.
215 Fourth St. Geo De Martini to
Richard Harms.....April 10, 1930
April 11, 1930—NW PRAGUE 50 NE
Persia Ave NE 50 X NW 75 ptn
Blk 90 Excelsior Hd Assn. Lor-
enzo Besio to whom it may con-
cern.....April 12, 1930
April 11, 1930—W 19th AVE 100 and
125 S Santiago. Arvid Halsen to
whom it may concern.....
April 10, 1930
April 14, 1930—NE FOURTH 20 SE
Folsom SE 140 to NW Shipley NE
57-6 NW 140 SW 57-6 to NE 4th
and beg. George DeMartini to
Richard H Harms.....April 11, 1930
April 14, 1930—E GIRARD 60 N
Wayland 40x45, known as 475 GI-

ward St. Clarence K and Eveleen C Duff to A A Wesendunk, Jr.....
 April 15, 1930—NO. 250 SEA CLIFF Ave. N F Baldocchi to Wm Martin.....
 April 15, 1930—SE 19th and Tennessee Sts, 100x50. A J Bowie to Wm Martin.....
 April 15, 1930—2569 GREENWICH St. L Boalino to Thos R Sharman.....
 April 15, 1930—S FRANCISCO ST 91-6 E Taylor St. F Ratto to Thos R Sharman.....
 April 15, 1930—W MOULTRIE 225 S Eugenia. Chas Gianotti to whom it may concern.....
 April 14, 1930—W CASTRO 108-5 N Sixteenth N 26xW 120. E and A Kubitschek to C J Lebelt and P C Suchnel.....
 April 15, 1930—W SIXTEENTH AVE 25 S Ulloa 25x107-6. G J Elkington & Sons to whom it may concern.....
 April 12, 1930

LIENS FILED

San Francisco County

Recorded	Amount
April 9, 1930—N GREENWICH ST 75-6 W Gough ST W 47 x N 108. W F Fuller & Co vs Chas F Martin and Robt Meyers as Meyers Mfg Co.....	\$227.34
April 8, 1930—N GREENWICH ST 75-6 W Gough ST W 47 x N 108. A and S Ginsberg as Ginsberg Tile Co vs Robt F Meyers as Meyers Mfg Co and Chas Martin.....	\$69.85
April 8, 1930—NE HERMAN AND Fillmore N 48 x E 81-1. Eureka Sash, Door & Moulding Mills vs Harry H and Helen M Velleno, R Paratore as Independent Const Co.....	\$58.90

April 12, 1930—NE FILLMORE and Herman Sts N 48 x E 81-3. California Terrazzo Marble Co vs H H and H M Velleno and R Paratore as Independent Const Co.....
 April 11, 1930—LOTS 1 and 2 BLK 2988A Map West Portal Park. A A Goeppe, Inc vs F E Foster and Dependable Mfg Co.....
 April 11, 1930—S MONTEREY Blvd 110-5 E Balboa Terrace S 2 deg 16 min W 195-95 E 60 N 2 deg 16 min E 205-544 S 60-799. Eureka Sash, Door & Moulding Mills vs S C and P Way and Geo F Barrett.....
 April 15, 1930—LOTS 1 and 2 BLK 2988A map of Portal Park. D and Z Blechman as Blechman & Blechman, \$165; Cook, \$1053.70, vs T E Foster and Dependable Mfg Co..

RELEASE OF LIENS

San Francisco County

Recorded	Amount
April 12, 1930—E VICTORIA 150 W Randolph N 25 x E 100. Pacific Terrazzo Marble Co, Des City Lime & Cement Co to R W Gibson.....	
April 11, 1930—E VICTORIA 150 N Sargent N 125 x E 100 lots 28, 29, 30, 31 and 32 Blk 7072 Assessor's Map. United Imp Co to G Goldstein, Carl Eggers and National Realty Corp.....	
April 10, 1930—199 DIAMOND VIA Ave Lots 9 to 13 Blk 1258. Parker Weather Strip Co to A de Urioste.....	
April 9, 1930—E VICTORIA 150 N Randolph N 25 x E 100 Lot 11 Blk 42, City Land Assn. George R Nelson to R M Gibson, Wm E and Ruth F Dowd.....	\$853.50
April 14, 1930—W DIAMOND 58 N 26th N 31 x W 80. Geo S or Geo Bryant to whom it may concern....	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
444	Fontecilla	Owner	6850
445	Cardoza	Monez	3500
446	King	Carlson	6100
447	Lapham	Lapham	6000
448	Mulholland	Fernandez	1180
449	Pressler	Owner	3000
450	Pressler	Owner	3000
451	Travers	Beckett	15000
452	Waldman	Owner	3150
453	Brenner	Brenner	2000
454	Oberto	Cola	3500
455	Reininghaus	Owner	3500
456	Wing	Armstrong	6000
457	Dodge	De Velbiss	1350
458	Hackbarth	Nylander	3700
459	Soare	Campomenosi	2850
460	Candioto	Owner	4000
461	Davis	Fraser	8000
462	Lodge	Owner	3500
463	Rockwell	Owner	3000
464	Anderson	Owner	4000
465	Arada	Arada	2500
466	Mehrtens	Owner	4500
467	Cotella	Yonger	1000
468	Duhrkoof	Owner	1400
469	Horton	Wieben	19500
470	Mills	Owner	4000
471	Olivi	Delucchi	3450
472	Powell	Owner	5500
473	Beck	Ballard	1500
474	Brown	Owner	2000
475	Tammi	Owner	3000
476	Clifford	Owner	2000
477	Crossley	Owner	2150
478	Cutler	Austin	153000
479	Guldi	Beckett	2000
480	Prince	Durgin	7000
481	Van Ness	Van Ness	3500

RESIDENCE

(444) 966 HILLDALE AVE., Berkeley; two-story 8-room 1-family frame residence and garage.
 Owner—H. E. Fontecilla, 1700 Madera Ave., Berkeley.
 Architect—W. H. Hooper, 732 Cragmont Ave., Berkeley. \$6850

DWELLING

(445) 694 APGAR ST., Oakland; one-story 6-room dwelling.
 Owner—V. G. Cardoza, 694 Apgar St., Oakland.
 Architect—None.
 Contractor—A. H. Monez, 4350 Bridgeview Drive, Oakland. \$3500

DWELLING

(446) N CALANDRIA 300 S Crest Dr. Oakland; one-story 8-room dwelling and 1-story garage.
 Owner—Tom King.
 Architect—W. M. Dixon, 1844 5th Ave., Oakland.
 Contractor—Henning Carlson, 4240 E 16th St., Oakland. \$6100

DWELLING

(447) N VICTOR AVE. 51/2 E 35th Ave., Oakland; one-story 7-room dwelling.
 Owner—A. R. Lapham, 947 Hillcroft Circle, Oakland.
 Architect—None.
 Contractor—T. H. Lapham, 546 Kenmore Ave., Oakland. \$6000

ADDITION

(448) 3921 EVERETT AVE., Oakland; addition.
 Owner—G. G. Mulholland, 3912 Everett Ave., Oakland.
 Architect—None.
 Contractor—M. Fernandez, 954 E 11th St., Oakland. \$1180

DWELLING

(449) SE COR. RUTH & KINGS- LAND, Oakland; one-story 5-room dwelling.

Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
 Architect—None. \$3000

DWELLING

(450) 5417 RUTH, Oakland; one-story 5-room dwelling.
 Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
 Architect—None. \$3000

DWELLING

(451) E MARGARIDO DRIVE 100 N Monroe, Oakland; two-story nine-room dwelling.
 Owner—F. B. Travers, 624 Scenic Ave. Piedmont.
 Architect—C. L. Snyder, 2101 Shattuck Ave., Berkeley.
 Contractor—Beckett & Wight, 722 Scenic Ave., Oakland. \$15,000

DWELLING

(452) SW COR. PARKER & NEY, Oakland; one-story 5-room dwelling and garage.
 Owner and Builder—A. E. Waldman, 317th St., Oakland.
 Architect—None. \$3150

DWELLING

(452) NO. 822 CORNELL AVE., Albany. Four-room dwelling.
 Owner—F. O. Brenner, 826 Cornell Ave., Albany.
 Architect—None.
 Contractor—F. O. Brenner, 826 Cornell Ave., Albany. \$2000

DWELLING

(453) NO. 1114 SANTA FE AVE., Albany. Five-room dwelling.
 Owner—Christine Oberto, 1625 Market St., Oakland.
 Architect—Owner.
 Contractor—F. Cola, 720 Evelyn Ave., Albany. \$3500

RESIDENCE

(454) NO. 1611 THOUSAND OAK Blvd., Berkeley. One-story 6-room 1-family frame residence.
 Owner—B. Reininghaus, 2717 Channing Way, Berkeley.
 Architect—None. \$3500

RESIDENCE

(455) NO. 433 VERMONT AVE., Berkeley. Two-story 9-room 1-family frame residence.
 Owner—J. E. Wing, 2239 Summer St., Berkeley.
 Architect—O. C. Armstrong, 947 Ordway Ave., Berkeley.
 Contractor—Armstrong & Gates, 947 Ordway Ave., Berkeley. \$6000

ALTERATIONS

(456) 2801 BROADWAY, Oakland; alterations.
 Owner—S. C. Dodge, 2801 Broadway, Oakland.
 Architect—R. F. Keefer, 3281 Lakeshore, Oakland.
 Contractor—C. Dudley DeVelbiss, 354 Hobart St., Oakland. \$1350

DWELLING

(457) S 106th AVE. 120 E Breed, Oakland; one-story 5-room dwelling and 1-story garage.
 Owner—Theodore Hackbarth.
 Architect—None.
 Contractor—Nylander Bros., 1610 Excelsior Ave., Oakland. \$3700

AFFICES

(458) 5666 TELEGRAPH AVE., Oakland; one-story 5-room office.
 Owner—Dr. H. S. Soare, 5666 Telegraph Ave., Oakland.
 Architect—None.
 Contractor—E. Campomenosi, 6401 Broadway Terrace, Oakland. \$2850

DWELLING

(459) 783 ARBOR DRIVE, San Leandro; one-story 6-room frame and stucco dwelling.

Owner and Builder—Peter S. Candiotto
732 Arbor Drive, San Leandro.
Architect—Gordon D. Pierce, 10035 E
14th St. \$4000

DWELLING
(460) 501 OAKS BLVD., San Lean-
dro; two-story frame and stucco
dwelling.
Architect—L. M. Johnson, 2215 74th
Ave., Oakland.
Contractor—D. N. Fraser, 965 Lee St.,
San Leandro. \$8000

DWELLING
(461) 282 PERALTA, San Leandro;
1½-story frame and stucco dwell-
ing.
Owner and Builder—C. F. Lodge, 743
Collier Drive, San Leandro.
Plans by Owner. \$3500

DWELLING
(462) N 54th St, 300 W Lowell, Oak-
land; one-story 5-room dwelling.
Owner and Builder—J. H. Rockwell,
984 54th St., Oakland.
Architect—None. \$3000

DWELLING
(463) NO. 1607 PEARL ST., Alameda.
One-story five-room frame and
stucco dwelling.
Owner—Walter H. Anderson, 1014
Doris Court, Alameda.
Architect—Walter H. Anderson, 1014
Doris Court, Alameda. \$4000

DWELLING
(464) NO. 1126 PARK AVE., Ala-
meda. One-story four-room frame
and stucco dwelling.
Owner—A. A. Arada, Premises.
Architect—P. Arada, 1126 Park Ave.,
Alameda. \$2500

DWELLING
(465) NO. 2448 BAY ISLAND AVE.,
Alameda. One-story six-room
frame and stucco dwelling.
Owner—H. G. Mehrtens, 1536 Webster
St., Alameda.
Architect—Owner. \$4500

ALTERATIONS
(466) W TELEGRAPH AVE. at 37th
St., Oakland; alterations.
Owner—C. Cotella, 37th St. and Tele-
graph Ave., Oakland.
Architect—None.
Contractor—F. A. Yonger, 5900 Sher-
wood Drive, Oakland. \$1000

ALTERATIONS
(467) 5360 WALNUT ST., Oakland;
alterations and addition.
Owner and Builder—J. C. Duhrkoop,
2300 Van Ness Ave., San Fran-
cisco.
Architect—None. \$1400

RESIDENCE
(468) 686 SAN FERNANDO ROAD,
Berkeley; two-story 9-room frame
and stucco residence and garage.
Owner—E. Horton, 618 Santa Rosa,
Berkeley.
Architect—Sidney, Noble and Archie
Newsom, Federal Realty Bldg.,
Oakland.
Contractor—Alex C. Welben, 337 17th
St., Oakland. \$19,500

INFIRMARY
(469) MILLS College Campus, Oak-
land; one-story infirmiry building.
Owner & Builder—Mills College, Mills
College Campus, Oakland.
Architect—None. \$40,000

DWELLING
(470) S 14th ST. 150 W Peralta St.,
Oakland; one-story 5-room dwell-
ing.
Owner—J. Octy, 1627 14th St., Oak-
land.
Architect—None.
Contractor—P. Delucchi, 5143 Clare-
mont Ave., Oakland. \$3450

DWELLING
(471) 5268 GOLDEN GATE AVE.,
Oakland; two-story 6-room dwell-
ing.

Owner and Builder—R. L. Olivi, 1803
Franklin St., Oakland.
Architect—None. \$5500

ALTERATIONS
(472) 3545 E 14th ST., Oakland; al-
terations.
Owner—J. L. Powell, 630 Highland
Ave., Oakland.
Architect—None.
Contractor—J. C. Ballard, 5382 Bel-
grave Place, Oakland. \$1500

ALTERATIONS
(473) NO. 2716 ELEVENTH AVE.,
Oakland. Alterations to apart-
ments.
Owner—William Beck, Premises.
Architect—None. \$2000

DWELLING
(474) NO. 2531 TRUMAN AVE.,
Oakland. One-story five-room
dwelling.
Owner—W. W. Brown, 8327 Golf Links
Road, Oakland.
Architect—None. \$3000

RESIDENCE
(475) NO. 1540 CHANNING WAY,
Berkeley. One-story 5-room 1-
family residence.
Owner—Charles Tammi, 1541 Chan-
ning Way, Berkeley.
Architect—None. \$3000

ADDITION
(476) NO. 4651 SAN SEBASTIAN
Ave., Oakland. Addition.
Owner—Grace Clifford, Premises.
Architect—None. \$2000

DWELLING
(477) S CALAVERAS AVE 422 W
Buell, Oakland. One-story 5-room
dwelling and garage.
Owner—Nat M. Crossley, 4569 Cala-
veras Ave., Oakland.
Architect—None. \$2150

CANNERY
(478) N FIFTY-SEVENTH AVE 600
N E-Fourteenth St., Oakland.
One-story brick cannery.
Owner—Cutler Lobingier Packing Co.,
720 Ray Bldg., Oakland.
Architect—Austin Co., 720 Ray Bldg.,
Oakland.
Contractor—Austin Co. of Calif., 720
Ray Bldg., Oakland. \$158,000

ADDITION
(479) NO. 4529 SHATTUCK AVE.,
Oakland. Brick and tile addition
Owner—Mr. Guidi.
Architect—None.
Contractor—Beckett & Wight, 624
Scenic Ave., Piedmont. \$2000

STORES
(480) N FOOTHILL BLVD. 71 E
73rd Ave., Oakland. One-story
stores.
Owner—Geo. Prince, 7324 Foothill
Blvd., Oakland.
Architect—None.

Contractor—F. W. Durgin, 1165 Sutter
St., Oakland. \$7000

SHOP
(481) NO. 1981 THIRD ST., Oakland.
Two-story carpet cleaning shop.
Owner—Van Ness Bros., 4320 Park
Blvd., Oakland.
Architect—None.
Contractor—L. E. Van Ness, 4320
Park Blvd., Oakland. \$3500

BUILDING CONTRACTS

Alameda County

60 Southern	Clinton	5290
60 Flores	Burns	2850
61 Sage	Burns	2900

ADDITION
(60) FOOT OF UNIVERSITY AVE.,
Berkeley; addition to pier.
Owner—Southern Pacific-Golden Gate
Ferries, Ltd.
Architect—None.
Contractor—Clinton Const. Co., 923
Folsom St., San Francisco.
Filed Apr. 11, '30. Dated Apr. 9, '30.
Close of each month.....75%
Usual 35 days.....Balance

TOTAL COST, \$5290
and 17c per foot for erecting piles.
Bond, \$5715. Sureties, U. S. Guarantee
Co. Limit, 45 days. Plans and Spec.
filed.

HEATING SYSTEM
(60) LOT 3 BLK D, Flint Tract, Oak-
land; steam heating and hot wa-
ter heating system.
Owner—E. Flores, 1514 E 14th St.,
Oakland.
Architect—None.
Contractor—J. E. Burns, 3101 Max-
well, Oakland.
Filed Apr. 12, '30. Dated, Nov. 13, '29.
When roughed in\$1140
When completed 1140
30 days after completion..... 570
TOTAL COST, \$2850

HEATING SYSTEM
(61) LOT 14 and Ptn Lots 13 and 15
Blk T, Leonard Tract, Berkeley;
steam heating and hot water heat-
ing system.
Owner—Clyde M. Sage.
Architect—None.
Contractor—J. E. Burns, 3101 Max-
well, Oakland.
Filed Apr. 12, '30. Dated Nov. 20, '29.
When roughed in\$1160
When completed 1160
30 days after completion..... 580
TOTAL COST, \$2900

CANCELLATION OF BUILDERS' CONTRACT

(Alameda County)

Cancellation of Builders' Contract
between George W. and Ida May
French, owners, with F. W. Durgin.
Cancellation filed April 15, 1930.

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

Recorded	Amount
April 4, 1930—LOTS 1 TO 14, inclusive Blk 2, Menlo Heights. K W McKenzie vs Robert S Jordan	\$194.70
April 13, 1930—LOT 12 BLK 14, Bay View Heights. Carl J Frank et al vs Ben Thompson et al	\$117.70
April 7, 1930—LOT 24 BLK 6, Bay View Heights. Carl J Frank et al vs Ben Thompson et al	\$724.30
April 7, 1930—PART BLK 11, Burlingame. Chas F Mausser, \$524.64; Malott & Peterson, \$1030.30; Wisconsin Lumber Co, \$1564.40; C S	

Hower, \$735; San Mateo Feed & Fuel Co, \$1119.59 vs J C Cummings
 April 7, 1930—LOT 9 BLK 13, Bay View Heights, San Mateo. Ed Lopez vs Harry Hanush\$82.50
 April 10, 1930—LOT 11 BLK 17, Burlingame. San Mateo Feed & Fuel Co vs C S Cray et al.....\$2169
 April 10, 1930—LOT 17 BLK 20, Milbrae Highlands, San Mateo. Feed & Fuel Co, \$55.97; W A Hermann et al, \$25; C L Johnson, \$60 vs Robert E Bowers\$2479.38
 April 10, 1930—WOODSIDE COUNTRY Club, .6734 Acres. Merner Lumber Co vs Charles N W Newell et al\$2175.25
 April 10, 1930—LOT 9 BLK 13, Bay View Heights. C M Beard vs Charles M Magne et al.....\$216.75
 April 11, 1930—LOT 9 BLK 13, Peninsula Glass Co vs Harry Hanush et al\$57
 April 11, 1930—WHIPPLE ROAD, Redwood City. S Monroe vs T C Hughes\$150
 April 11, 1930—LOT 9 BLK 13, Bay View Heights. A P Hundedav et al vs Chas F Magne.....\$140
 April 14, 1930—360 ACRES IN Township 8 S Range 4, San Mateo. A W Owen vs R H Bratherton et al\$157.20

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$7281; Lot 4 Blk 31, Cabrillo; owner, Dr. Edwin Shubert; contractor, C. Hammer, 1524 Floribunda, Burlingame.
 BUNGALOW, \$5500; Lot 10 Blk 48, Humboldt; owner and builder, M. Cabral, 810 Morrell Ave.
 BUNGALOW, \$5000; Lot 14 Blk 48, Peninsula Ave.; owner and builder, M. Sorensen, 16 Dwight, Burlingame.
 SERVICE Station, \$10,000; Lot 1 Blk 4 California, D and Bellevue; owner and builder, The Texas Co., Hearst Bldg., San Francisco.
 MOVE building, \$3000; Lot 3 Blk 11 E. L. Co to 5/6 No. 2, Ralston; owner, E. L. Dunslee; contractor, O. Pearson & Johnson.
 APARTMENTS, 24, \$21,000; Lot 1 Blk 4 Willow and El Cerrito; owner, Phillip J. Webster; contractor, Daly Bros., 1104 Vancouver, Burlingame.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 4-rooms and bath, \$1500; No. 721 Redwood Ave., Redwood City; owner and contractor, H. C. Lewis.
 DWELLING, frame, 4-rooms, bath and garage, \$2000; No. 1479 Oxford St. Redwood City; owner, John Downey; contractor, Stanley Schaller, Tuscaloosa - Atherton, Palo Alto.
 DWELLING, frame, 6-rooms, bath and garage, \$3000; No. 1205 Lexington Ave., Redwood City; owner and contractor, Julius Berendsen.
 DWELLING, frame, six-rooms, bath and garage, \$5000; No. 1525 Oak Knoll Drive, Redwood City; owner, T. F. and A. R. Crahan; contractor, Realty Constr. Co.
 DWELLING, frame, five-rooms and bath, \$3000; No. 510 Roosevelt Ave., Redwood City; owner, Russell L. Relserer; contractor, F. E. Stevenson.
 ADD to dwelling, \$2000; No. 40 Birch St., Redwood City; owner, J. Genochio; contractor, H. W. Arnold.

DWELLING, frame, 5-rooms, bath and garage, \$3000; No. 1030 Iris St., Redwood City; owner and contractor, L. A. Booker.
 DWELLING, frame, 5-rooms, bath and garage, \$3600; No. 621 Lexington Ave., Redwood City; owner and contractor, T. Nelson.

BUILDING PERMITS

PALO ALTO

ALTERATION, class C store, \$5,600; 275 University Ave.; owner, Palo Alto Hardware Co., 275 University Ave., Palo Alto; architect, Birge Clark, 310 University Ave., Palo Alto; contractor, W. P. Goodenough, 909 Jackling Drive, Burlingame.
 ALTER residence, \$2000; 1451 Cowper St.; owner, Mary E. Clevering, premises; contractor, J. E. Hanson.

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

APARTMENTS
 LOT 2 BLK 144, East of Center St., Stockton. All work for three-story brick apartment house. Owner—Charles Marems and Wife. Architect—None.
 Contractor—L. S. Peletz, 1660 W. Acacia Ave., Stockton.
 Filed April 12, '30. Dated April 3, '30.
 TOTAL COST, \$50,500
 Bond, none. Limit, 120 working days from day of commencement of work, May 1, 1930

BUILDING PERMITS

STOCKTON

RESIDENCE and garage, \$3500; No. 1501 W-Harding Way, Stockton; owner, J. M. Helterbrand, 1501 W. Harding Way, Stockton.
 RESIDENCE and garage, \$5000; No. 1030 N. Argonaut St., Stockton; owner, William H. Mackay, 410 E. Clay St., Stockton; contractor, John Hachmann, Sonora Road and Walker Lane, Stockton.
 RESIDENCE and garage, \$3000; No. 1519 Oxford Way, Stockton; owner, J. M. Helterbrand, 1519 Oxford Way, Stockton.

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
April 1, 1930—SAN RAFAEL L Pfaff to M H Vanderbilt.....	March 27, 1930
April 4, 1930—SAN ANSELMO, R E Lapham to whom it may concern.....	April 30, 1930
April 8, 1930—SAN RAFAEL, Joe Gargiulo to Wm Wegner.....	April 7, 1930
April 8, 1930—BOLYE PARK, Mill Valley. Thomas Bickerstaff to whom it may concern.....	April 11, 1930
April 11, 1930—MILL VALLEY, Rosalie Kruse to Melvin Klyce.....	April 2, 1930
April 11, 1930—MILL VALLEY, Mary W Fiske to James Allan.....	November 15, 1929

LIENS FILED

MARIN COUNTY

Recorded	Amount
April 10, 1930—SAN RAFAEL, Ben Johnson, Tamalpais Elec Co, \$123; C H Van Trease, \$115, vs Ralph C Brehl and Columbus Pierce.....	

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
April 12, 1930—LOT 26, H. C. Mack Sudivision near Santa Rosa. L E Daniels to whom it may concern.....	April 10, 1930
April 4, 1930—LOT 9 BLK 2, Fair Grounds Addn., Petaluma. Walter E Frese to whom it may concern.....	April 3, 1930
April 7, 1930—LOT 154, DIV 7 MAP 7, Eagle Nest. C H Bauman to whom it may concern.....	April 5, 1930

LIENS FILED

SONOMA COUNTY

Recorded	Amount
April 8, 1930—Part LOTS 4 AND 5 Blk 1 and Lot 5 and Part Lot 6 Blk 2, Riverside Add to Sonoma Vista Tract near El Verano L P Kearney (as El Verano Lumber Yard) vs J H Fish, Edmond and Mabel E Searle, Wm E McDonough and George S West.....	\$226.12

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
April 8, 1930—LOT 5 N ½ LOT 7 Blk 99 of Third Addition to Pacific Grove, Map of Pacific Grove Retreat, Minnie L Trettheway to Rosco C Wright.....	April 5, 1930
April 10, 1930—LOTS 8, 4, 5, 6 AND 7 Blk 113, Map of Partion, Monterey. Mission Hospital Co to H H Larsen.....	April 2, 1930
April 11, 1930—LOT 13 BLK 14 Map of Riker & Jackson Survey, Monterey. Catherine Durkin to whom it may concern.....	April 11, 1930
April 11, 1930—LOT 14 BLK 14, Map of Riker & Jackson Survey, Monterey. James A and Florence Pollard to whom it may concern.....	April 11, 1930
April 11, 1930—LOT 10 BLK E, City of Monterey. H A Bewley to J C Anthony.....	April 10, 1930
April 11, 1930—LOT 9, Sunshine Court, Subdivn of Part of Blk 29, Pacific Grove Acres. H A Bewley to J C Anthony.....	April 10, 1930
April 11, 1930—LOT 28 BLK 6, Map of Monterey Heights, Monterey. George Mooshevian to J C Anthony.....	April 9, 1930
April 9, 1930—LOTS 7, 8, 9, 10, 11 & 12 Blk 30, Map of Town of Gonzales. The Morrill Co (John A Morrill) to Fred McCrary.....	April 12, 1930
April 12, 1930—SALINAS. General Petroleum Corp to Granite Construction Co (distributing plant).....	April 5, 1930
April 12, 1930—LOT 21 BLK 14, Homestead Addition to City of Salinas. Charles A and Mary Lucile Gage to whom it may concern.....	April 10, 1930
April 15, 1930—LOTS 24 AND 25, Map of Giacomazzi Addition to City of Soledad. Harold L Hodges to whom it may concern.....	April 14, 1930
April 15, 1930—PART LOT 10 BLK 14, Map of Homestead Addition to Salinas. C R and Eula Shute to whom it may concern.....	April 15, 1930

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
April 9, 1930—LOT 21 BLK 14, Homestead Addition to City of Salinas. Sterling Lumber Co to	

L E Johnson; C A Gage and Mrs.
C A Gage.....\$107.85

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
April 10, 1930—LOT 5 BLK 10, Map
B, Subdivision No 2, Tuxedo
Park, Stockton. S. C. Giles to
whom it may concern. April 8, 1930
April 12, 1930—LOT 3 BLK 12 Plat
of Sheltered Oaks, Stockton. Wm
Wright and wife to whom it may
concern.....April 3, 1930

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 5-room, \$4700; No. 1130
Marian Way, Sacramento; owner
and contractor, Land Drive Ter-
race, 819 J St., Sacramento.
SEORE, \$5000; No. 3600-04 Stockton
Blvd., Sacramento; owner, John
D'Andrea, 4005 K St., Sacto.;
contractor, A. Fairmond.
REPAIRS, general, \$1200; No. 820 K
St., Sacramento; owner, J. H.
Hogan, 1422 10th St., Sacramento.
RESIDENCE, 7-room, \$5500; No. 1154
Fourth Ave., Sacramento; owner,
F. H. Bell, 1306 36th St., Sacra-
mento.
RESIDENCE, 7-room, \$6000; 2986 19th
St.; owner, E. M. Estrada, 1816
U St., Sacramento; contractor, F.
C. Stabinaw, 3210 6th Ave., Sacra-
mento.
RESIDENCE, six-room, \$6000; 2760
Freeport Blvd.; owner, A. S.
Hackett, 724 36th St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
April 9, 1930—LOT 2012, Elmhurst.
O M Froling to whom it may con-
cern.....April 8, 1930
April 10, 1930—LOTS 18, 19 AND
20, Linda Vista Sub No. 1, Sacra-
mento. Alfred D Cooper to
whom it may concern. April 10, 1930
April 10, 1930—LOTS 18 AND 19
Blk 19 And West Del Paso Hgts,
Sacramento. John and Harriet
Lopez to whom it may concern....
April 9, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
April 9, 1930—LOT 47, Harding
Place, Sacramento. Brazil &
Quinn vs Earl Long & M C Valine
.....\$495.43
Heights, Sacramento. A H Smith
and R P Shorrock (as Shorrock-
Smith Hardware Co) vs Thomas
and Eva McMahon.....\$111.53
April 10, 1930—LOT 47, Harding
Place, Sacramento. P J O'Brien
vs Earl Long\$326.10

BUILDING PERMITS

FRESNO

DWELLINGS, \$3900; No. 2207 Poppy
Ave., Fresno; owner, Martin
Kraus.
DWELLING, \$5000; No. 1327 Arthur
St., Fresno; owner, Julia and
Ethel Bird, 3710 Belmont St.,
Fresno; contractor, Fisher & Mc-
Nulty, Mattel Bldg., Fresno.
ALTERATIONS and additions, \$1000;
No. 423 San Pablo Ave., Fresno;
owner, R. M. McGill, Premises.
ALTERATIONS and additions, \$1600;

No. 1221 Fulton St., Fresno; own-
er, Brix Estate, Premises; contrac-
tor, J. T. Cowan, 750 Elizabeth
St., Fresno.

DWELLING, \$5000; No. 1327 Vagedes
St., Fresno; owner, L. E. Priest,
915 Harrison St., Fresno; con-
tractor, W. T. Harris, 577 McKin-
ley St., Fresno

ALTERATIONS and additions, \$1650;
E and Inyo Sts., Fresno; owner,
Danish Creamery, Premises; con-
tractor, T. M. Paulsen, 3666
Illinois St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
April 9, 1930—LOT 36, Arlington
Terrace, Fresno. Henry O Sher-
ven to Alvin E Thatcher.....April 8, 1930
April 12, 1930—LOTS 31 & 32 BLK
71, Sierra Vista Addition No. 4,
Fresno. J A Wathen to whom it
may concern.....April 12, 1930

A gradually improving trend in in-
dustry generally is noticeable at this
time, says the Financial and Industrial
Review. Commodity prices are stiffen-
ing more rapidly than had been pre-
dicted in trade circles a month or so
ago. In Dun's list of 52 wholesale
commodity price changes, 27 increased,
or approximately 50 per cent, com-
pared with a 30 per cent gain a week
ago and a 35 per cent increase during
the corresponding period of 1929.

There is a heavier demand for elec-
tric equipment and for farm imple-
ments, while new construction con-
tracts, let in the first quarter of the
year were approximately 46 per cent
ahead of 1929.

Lots of new financing is being ar-
ranged, especially in the nature of
bond issues, corporations generally
taking advantage of the low prevail-
ing price of money to obtain funds for
future development or else for the re-

tirement of higher priced obligations,
placed years ago at fancier interest
rates. Stock issues during March
showed an increase over February,
but nevertheless the aggregate of
stock floatations during the initial
three months of 1930 was 20 per cent
below a year ago. Over financing
through the sale of new stock was
actually one of the main contributory
causes of the stock market panic last
November. That lesson had a good
influence as now the proportion of
bond to stock financing is running
along the line of sound logic.

Mergers occupy the consideration of
those students whose eyes are in the
habit of first clamping themselves on
the financial pages.

The stock market seems to afford
aid and comfort to everyone except
the bears. As the destructive cliques in-
sist on fighting the tape they must pay
the penalty. Many of those bears who
were fortunate enough to have been
short of stock during the panic pe-
riod late last year, have since dis-
covered that Dame Fortune has the
ways of the weather in changing. The
profittaking sales which have been in
volume of late, have failed to check
the rising tendency of prices of stocks,
as Main Street is helping to absorb
the floating supply of shares on their
way up.

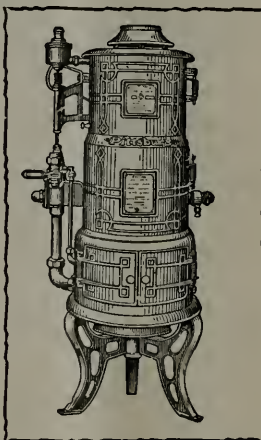
American lumber exports to the
Rotterdam, Netherlands district dur-
ing 1929 were composed chiefly of
Douglas fir and oak, a recent report
from Consul Carol H. Foster to the
Lumber Division of the Department
of Commerce discloses. These im-
ports totaling 86,829 metric tons were
valued at \$2,913,523. The 1929 exports
to this district were slightly less than
those of 1928, but sales were readily
made and are expected to continue
during 1930. Keen competition exists
among importers, who are entirely too
numerous in proportion to the volume
of trade, and thus reduce profits to a
minimum.

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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., APRIL 26, 1930

Thirtieth Year, No. 17
Published Every Saturday

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., APRIL 26, 1930

Thirtieth Year, No. 17

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEARNY 1252
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

SOULE STEEL AND U. S. METAL PRODUCTS MERGE

United States Metal Products Company and Soule Steel Company, two firms that have worked side by side in the construction of many of the most important buildings of the Pacific Coast, have merged their complementary services into one organization; and will hereafter operate as Soule Steel Company. Both companies will continue with the same personnel as before, but will collaborate as a unit to provide a still larger measure of prompt and efficient service.

The Soule Steel Company today represents not only an exceptional grouping of technical experience, skill, and equipment, but an inter-weaving of friendly personal relationships the have grown and strengthened for over a quarter of a century in the development of Dreusike Bros. (1898), San Francisco Corncorn Works (1906), United States Metal Products Company (1913), Edw. L. Soule Co. (1905), American System of Reinforcing (1917), Concrete Engineering Co. of Calif. (1925), and Soule Steel Company (1927)—now all co-ordinated in one organization.

SAN JOAQUIN CEMENT COMPANY SUES PIPE CONCERN

Suit for \$13,468.37 has been filed in superior court at Modesto by the San Joaquin Cement Company, the members of which are Nettie H. Mayes, S. Y. Mayes, C. Balas and Mrs. C. Balas, against the United Concrete Pipe & Construction Company.

Five thousand dollars is sought for the alleged failure of the defendant concern to operate the concrete pipe plant at Herndon, \$5000 for loss of sales and profits, loss of good will to the plaintiff company through lack of endeavor to keep up that business in the territory, \$1000 for failure to equipment in proper condition. Plaintiffs are also seeking \$2468.37 for alleged loss through the non-payment of taxes, insurance and rental.

WESTERN IRRIGATION LEAGUE IS PROPOSED

Thomas E. Hill, secretary of the Washington Irrigation Congress, who recently suggested to reclamation leaders in eleven Western States that they organize to defend reclamation from eastern attacks, announces that an all-western league for that purpose would probably be formed during the last week of June in Salt Lake City. This conference he said, will probably precede the meeting of the National Association of Governors, to be held in Salt Lake City June 30.

March Building Greater Than In February, Says A.G.C.

The volume of construction performed during March 1930 increased 17 points over the February figure to Index Number 131, according to a statistical study just completed by the Associated General Contractors of America. This study, based on the shipments of construction materials, shows the volume of job activity in March this year to be 15 points higher than for March 1929.

The same study reveals that during the first two months of 1930, long term state and municipal bond issues averaged \$89,000,000 as compared with \$79,000,000 for the same months last year which, taken with the phenomenal increase in such bonds issued in December 1929, is considered a positive indication of an exceptionally large volume of engineering construction work to come.

For the first two months of 1930 the total number of square yards of concrete pavement awarded was 13,481,000 as compared with a total of 10,702,000 square yards in the same months of 1929. This increase of 26 per cent in paving work is expected to be maintained or bettered when the augmented highway programs made possible by the recent passage of larger federal aid appropriations for state highways begin to be felt.

E. J. Harding, assistant general manager of the Associated General Contractors, sees in these statistics evidence of the success of the program of President Hoover to stimulate construction insofar as highway and other engineering construction is concerned.

The building industry's problems are still acute, he points out, particularly in the field of residential construction which is still 50 per cent below normal. The improved financial condition of banks, insurance companies, building and loan associations and other agencies which finance building construction is expected to bring relief to this end of the construction industry before long.

In industrial and commercial building improvement has already set in. Mr. Harding claims, and, while still slightly below normal, both these branches should soon be operating above par. With engineering construction far above normal and with indications that other branches of the industry will rapidly improve, the latter part of 1930 is expected to be a busy one in the entire construction industry.

PLUMBING FIXTURE PRICES

March wholesale prices of standard plumbing fixtures for a six-room house, as collected by the U. S. Department of Commerce from reports of twelve representative manufacturers and wholesalers, were \$104.51 as compared with \$103.69 in February and \$93.51 in March, 1929.

INCREASE IN CONSTRUCTION PREDICTED BY A. E. DICKINSON

Upturns in virtually all types of building will be recorded during the present month, it is predicted by President A. E. Dickinson of the Indiana Limestone Company, as the result of a national building survey.

"By far the worst has been seen and it is still probable that 1930 will equal or surpass last year's total construction volume," he said.

"For the first quarter, America spent approximately \$1,190,000,000 on new construction. This is below the same period last year, but contemplated projects change the outlook. The building industry should be a sustaining force to general business by mid-summer.

"Commercial and industrial construction throughout the country has shown increases in value in recent weeks. Public utilities—electric light and power, manufactured gas, street railway, telephone and telegraph—plan to spend more than \$3,250,000,000 during 1930.

"Residential building is still below past records but the approach of mild weather has been a stimulating factor.

"In point of valuation of building permits in 20 leading cities, New York continues to be at the head of the list, with Los Angeles, Chicago, Seattle, Detroit, Cincinnati, Milwaukee, Philadelphia, Baltimore, Cleveland, Boston, San Francisco, Houston, Buffalo, Pittsburgh, Kansas City, Indianapolis, Atlanta, St. Louis and Dallas following in order named.

"Counting the gigantic public buildings program and the commercial, industrial and public utility activity instanced above, the building industry seems to be a fair backlog for business."

BUILDERS DISPUTE MAIL ORDER PRICES

Lumber dealers, contractors and building and loan association executives of Collinsville, Ill., refuse to be frightened by the recently announced small home building plans of Sears, Roebuck and Company, says the Business Week. They joined forces and are placing full-page advertisements in local papers stating that local agencies can build homes to Sears-Roebuck plans for 12% to 20% less than asked by the mail order house.

The local business men obtained detailed estimates on three Sears-Roebuck houses; then sat down to figure out what they would cost built and financed locally. They offer to save \$857 on a \$6,128 house; \$1,099 on a \$5,795 design; \$754 on a \$4,259 house; other savings in proportion. They maintain that financing charges of Sears-Roebuck are higher than necessary and stress in their advertising the advantages of employing home labor and materials and of dealing with local business men.

REMOVE BLINDFOLD BEFORE YOU BUILD SAYS CONSTRUCTION CHIEF

By Walter J. Aring of M. K. Ferguson
Co., engineers and builders, Cleve-
land, Ohio.

"I wish I knew as much about architecture and construction as I do about banking," declared a banker friend of mine, during a discussion of preliminary plans for a new bank and office building.

He had reached a point at which every investor arrives when he faces the job of constructing a building. He realized that in the spending of such a large sum of money there are many chances for errors in design or mistakes in judgment which may result in inefficiency or early obsolescence.

As a layman the promoter of a commercial building project must rely largely upon the counsel of others, but he knows that the real responsibility for the success of the enterprise is his own. He is eager to produce a sound result, but faces such a maze of unfamiliar problems that he hesitates to proceed.

His great need is for the counsel of an experienced man who knows the investor's problem and its solution, and is willing to take that problem as the starting place for the development of a building that accurately fits the need.

A bank or commercial building must be something more than a work of art or a monument to pride. It must pay its way and yield dividends. No matter how impressive a building may be, if it is not a good business investment, it is a monument to neglect of economic and engineering fundamentals that are vital to the success of the enterprise.

For over thirty years I have been engaged in the development of commercial property. As construction executive, owner's representative, architects' supervisor or consultant, I have had an opportunity to study buildings from every possible standpoint.

Some projects have proved unsuccessful; others have surpassed expectations of their owners. In the majority of cases the earning power of the property could have been increased had greater care been used in fitting it to the purpose for which it was intended.

There can be no greater satisfaction to one interested in construction enterprise than to know in advance that the success of a great building is assured. As it rises higher and higher there is a thrill in knowing that every added operation is bringing one nearer to the realization of a well-conceived plan. I know of no greater pleasure than to watch the steady influx of satisfied tenants as a great structure is made ready for their occupancy.

And yet there are many cases in which the building is finished before the owner gets accurate information about its earning power. When prospective tenants find flaws in the layout or object to prohibitive rent and go down the street to locate in another building, it dawns upon the owner that if he had planned the arrangement of floor space with scientific care he would have been saved a large amount of worry and loss.

A building that is built to rent must be designed primarily to suit the requirements of tenants. It must grow naturally out of the needs of the community for better facilities. What the investor requires is accurate knowledge of those needs. These

basic economic facts can readily be obtained by consultation with qualified specialists and can be checked with owners and managers of successful existing properties and with occupants. They can furnish facts and figures concerning their experience and outline what they consider ideal facilities for their business.

Thousands of dollars and much valuable time are thrown away in alteration work, much of which can be avoided by intelligent forethought. Worse than this is the loss to the tenant who pays well for space in an attractive building only to discover that his space is unsuited for his purpose.

Several years ago I was called to a city in Ohio to consult with a banker in regard to a twelve-story combined bank and office building which he planned to erect on a 32 foot lot. The drawings which were ready for bids, provided for a tower of modern set-back design. The first floor, which was to be devoted to banking use, was without columns. Beams and girders of enormous depth were required to support the upper floors. At each set-back a similar condition existed, because the columns for the upper floors were staggered above the lower columns. Space equivalent to the cubes for two entire floors was wasted by the excessive depth of steel members. Of course the total steel tonnage for the building was entirely out of proportion for the size of the structure.

The arrangement of the columns also prevented an advantageous location for elevators, stairways and service facilities, so that the available renting space was small in area and undesirable.

Of course all concerned were deeply disappointed to have their plans for a monumental tower building cut to pieces, but fortunately for the banker a monumental blunder was avoided.

A few months ago I was asked to go to a large middle western city to see the plans for a twenty-two story bank, office and medical building. It was to be located in a secondary business center which was at a considerable distance from the main center of the city.

No survey had been made to determine the number or character of tenants or the prevailing price of space in the locality. They had provided for a number of exclusive retail shops on the first floor without considering the fact that third-rate stores prevailed in the section. In their study of the office portion of the building they apparently failed to realize that business concerns of the type they hoped to attract object to the presence in the building of a large number of doctors and dentists. Sick and crippled patients in elevators and halls, and odors of anaesthetics and disinfectants are out of place in an office building.

Even the layout for the banking space was faulty, for the office building design had been emphasized in spite of the fact that the bank space was the most expensive and im-

portant part of the building. The elevators, stairs and service facilities for the upper floors were brought down through the center of the bank space so that the bank had to be laid out around them.

An analysis of the community resulted in the adoption of an entirely different scheme of layout and a decision to eliminate doctors and to build a ten-story building instead of one twenty-two stories in height. They decided in time that it is better to have a building of moderate size well filled with tenants that stay, than one that reaches far beyond the renting needs of the community.

When a tenant pays the price of space in an up-to-date office building, he has a right to expect that every foot he pays for will be usable. A study of local usage will reveal the accepted width between walls that is suitable for economical layout of offices. I am well acquainted with a large office building which is one of the landmarks of the city in which it is located, in which the floors are so planned that the distance between outside walls is fifty-eight feet. In some cases offices are as much as thirty-seven feet in depth, while the average is twenty-five feet. Every office has to pay a part of the cost of an extra five to fifteen foot strip that often is poorly lighted, and in the majority of cases is of no use. The investor also loses because he cannot charge for such space at the prevailing rate for useful space.

An add case has come to my attention of a banker who saw a building he like very much, and gave instructions to his architect to design one just like for him. So accurately were his instructions carried out that when he moved into his new two hundred thousand dollar bank he discovered that nearly every one of his printed forms would have to be scrapped because they did not fit the receptacles that had been prepared for them.

He also found to his dismay that the work space had no daylight although there could have been windows on two sides. Careful preliminary study of his business and of the plot conditions would have saved unnecessary embarrassment and expense.

Good architecture is vital to the success of a business property. The public has been educated to expect beauty and style in everything it uses, and revolts against the ugliness of a bare utilitarian building. But good architecture is not a veneer. Goodness must go through and through.

There needs to be a wider recognition of the fact that good architecture does not necessarily call for a display of garnish ornament. In fact a great deal of very bad architecture may be covered up by marble and gold-leaf. The real beauty of a building is the product of skill in the proportioning of mass, and judgment in the choice and combination of materials.

My cost records of building maintenance over a period of years have shown that it does not pay to lavish money on the outward appearance of a building and slight other very vital features. Good plumbing fixtures and non-corrosive piping are worth more than a few gargoyles. Durable floors

are a better investment than imported marble and gold chandeliers in the lobby.

The piping in a certain large building is corroding so rapidly that it will soon be a serious source of expense to the owner, and inconvenience to the tenants. It will be found that a little restraint in display and larger expenditure for features that figure more largely in the cost of maintaining the building, will result in added earnings over a period of years. The money that has to be spent for renewing features that too often are slighted can be spent to better advantage for the kind of attentive service that keeps tenants satisfied.

Much is being said nowadays about obsolescence. Most economists agree that, as in the case of the weather, there is very little we can do about it. But we can insist that our building shall embody the very latest improvements that modern science can offer.

The last five years has seen a greater advance in the development of elevators and elevator machinery than was made in all the previous years in which elevators had been used. A friend of mine who has charge of a building that was finished about twelve years ago, told me recently that an estimate has shown that it will cost about seventy-five thousand dollars to replace the old elevators in his building with equipment of advanced type, embodying multivolt control and floor leveling devices. It is difficult, and in many cases impossible, to avoid occurrences of this kind but they can be reduced to a minimum if the owner demands materials and equipment of the latest type throughout his structure.

Style, too, must be reckoned with in the planning of the modern building. The soaring lines and profound shadows of the modern tower have ushered in a new school of design that is sounder in many respects than the coddly facades that line many of our older streets. To ignore this new trend in design is to invite obsolescence. Even if a building is of the most advanced design from an economic and engineering standpoint, it still is at a disadvantage among its neighbors, if it does not conform with the modern note in style.

Happily there is ample evidence of increasing appreciation among investors and among those who have to do with building, for the economic values that govern earning power. Study of existing structures and publicity of the facts obtained are surely bringing about the development of sounder ideas and methods.

The typical commercial building of today represents a long advance from the building of ten years ago. Tomorrow will produce other marked betterments as we learn our lessons from the past and plan our buildings with closer understanding of the economic principles that govern success.

BUILDING FEE ORDINANCE IS PASSED AT PACIFIC GROVE

The Pacific Grove, Calif., city council has amended that section of the building ordinance regulating the payment of fees for building permits. Hereafter applicants will pay \$2 on the first \$1000, which is no change, but only \$1 on each succeeding thousand up to \$10,000, and 50 cents for every thousand over that. On \$5000 the permit would cost \$10 under the old rate. The new rate makes the cost \$6. The change, as explained by City Manager Edwin Dames, is to encourage more accurate valuations by those taking out building permits.



Frank H. Eichler, Credit Manager of the American Smelting and Refining Company (left) congratulating Andrew J. McGarry upon his appointment as Manager of the Construction Industries Credit Bureau.

Announcement is made by Frank H. Eichler of the appointment of Andrew J. McGarry as manager of the Construction Industries Credit Bureau of the San Francisco Association of Credit Men.

Eichler states that several months ago D. I. Bosschart, president of the association, appointed a special committee to investigate the needs of the construction industries of San Francisco for organization and co-operative regulation of credit operations. As a result of the activity of this committee, of which Eichler is chairman, the Construction Industries Credit

Bureau was formed, and McGarry selected as its head.

McGarry, who is well known among San Francisco and Oakland contractors and material dealers, comes to his new position following eleven years experience in the building industries credit field in the bay region.

Filling a long required need, the bureau will gather and disseminate credit information pertaining to all construction work in the bay region.

The activities of the bureau are divided into four general divisions including financial, manufacturing and producing, distributing and contracting.

PACIFIC CLAY PRODUCTS SEES INCREASED BUSINESS

Substantially increased business during the second quarter and for the remainder of the year is expected by officials of Pacific Clay Products Company in view of the extended program of municipal improvements announced as scheduled for most of the important Pacific Coast cities.

The company specializes in the manufacture of vitrified clay sewer-pipe as well as a line of fire and face brick.

During the present year the concern expects to reflect in its earning statements the full benefit of the work and expense of the past few years in bringing its various lines into production. Its earnings record would tend to bear this out, increasing from \$336,828 in 1928 to \$374,331 in 1929 and \$399,563 in 1929, with no preferred stock ahead of the common and a funded debt of only \$226,500.

OIL BURNER ASS'N ELECTS WALTER TANT PRESIDENT

Walter F. Tant, president of the Silent Automatic Corporation of Detroit, was elected president of the American Oil Burner Association at the 7th annual convention of the organization in Chicago, April 10.

Other officers elected were: Vice-presidents, H. Finnie, The Timken-Detroit Co., Detroit; W. J. Smith, Cleveland Steel Products Corp., Cleveland; W. C. McTarnahan, Petroleum Heat & Power Co., New York City; J. H. Hirsch, Automatic Burner Corp., Chicago; W. F. Schroeder, Schroeder & Curry, St. Louis, Mo.

The new executive committee includes: W. F. Tant, Silent Automatic Corp., Detroit; L. M. Fieschmann, May Oil Burner Corp., Baltimore; H. Finnie, The Timken-Detroit Co., Detroit; J. F. Griswold, Harding Bros., Inc., Chicago; Earl Marr, Marr Oil Heat Machine Corp., Minneapolis.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

The following statement is issued by Julius H. Barnes, chairman of the National Business Survey Conference:

"Reports from many sources indicate that the emphasis laid upon repairs and betterments as a contributing factor in the stabilization of business has been effective. Permits issued for the purpose show a substantial growth. Since the early part of the year the average daily permits for additions, alterations and repairs, have increased 30 per cent. The stimulus given these activities has aided appreciably in relieving unemployment.

"The next logical step is the resumption of home building. For this, the Executive Committee of the National Building Survey Conference reports that conditions are now generally favorable. In most sections an ample supply of credit for this purpose is available at reasonable cost; and prices and terms for materials and equipment for such construction have become fairly well stabilized on a basis satisfactory to the purchaser.

"With favorable seasonal conditions also at hand it would appear that attention might now be directed with advantage to requirements for residential building. Industrial construction and replacement have been well sustained. Repairs and betterments have been accelerated. The resumption of prudent building activity in the residential field will aid materially in bringing employment back to normal."

Federal Department of Labor checks of employment conditions in Pacific coast states show a marked improvement, but there is a continued presence of an oversupply of labor. Conditions in California, Oregon and Washington are practically parallel. Industrial conditions call for more factory employes, but not enough to take up all available workers. Farm operations and vegetable canning has helped absorb the excess.

"The year 1930 promises to be a good one, equal or close to the high record of 1929 in the United States as a whole," says R. M. Alvord, manager of the General Electric Company, San Francisco. "The business of the year is starting slowly but is already showing signs of development and expansion. Competition will continue to be keen; the plant that is well equipped for most efficient production and has its sales operations well planned and executed may look forward to a very good, prosperous year."

Electrical Products Corporation of California first quarter net profit will exceed \$140,000 against \$95,671 in 1929, according to Paul D. Howse, president of Claude Neon Electrical Products, Ltd., of Delaware.

Thomas Irvine, nationally known lumberman, died at St. Paul, Minn., April 15. He was 88 years old, and was the last surviving member of the original coterie of lumbermen associated with the late Frederick Weyerhaeuser, Sr. He was best known for his connection with the Mississippi River Logging Company, organized in 1871, of which firm Weyerhaeuser was president.

The significance and scope of the certification plan, by which certain manufacturers have stated their willingness to guarantee compliance with nationally recognized specifications for commodities, are discussed in miscellaneous publication 205 of the U. S. Department of Commerce, Washington, D. C.

Safety advertising within industry is generally regarded as one of the most practical accident prevention measures, since it provides a medium whereby management may address supervisors and workmen repeatedly concerning the need for safe practices. No safety campaign can be entirely successful without cooperation from the "man on the job."

As the sixth in a series of industrial safety leaflets designed to present the principles governing successful accident prevention work and to describe effective methods of applying them, the Policyholders Service Bureau of the Metropolitan Life Insurance Company has just issued a publication entitled "Safety Advertising." This is based on a study of the field of safety engineering and outlines current methods of preparing and displaying safety advertising material as a means of keeping employees constantly informed of the importance of safe workmanship.

The publication discusses the principles, form, appeal, and media to be used in this type of publicity and is illustrated with photographs of effective bulletin board and blackboard displays. Industrial executives and others interested in this subject may secure copies of "Safety Advertising" by addressing the Bureau at 1 Madison Ave., New York City.

A new type of brick, which, tests show, will endure white heat for a longer period of time than the ordinary one made of clay soon will be turned out of native Del Norte rock in large quantities by Charles A. Look of Eureka, who is preparing to construct kilns and special apparatus capable of handling the huge ledges of an unidentified stone.

Recent experiments have shown that the new brick, of a rock and not a baked clay composition, will stand the maximum heat of furnaces for 11 months.

The rock from which the brick is cut has not been identified. It resembles tuft in that it is light and powdery and has the white color of talc in the natural state. Look owns the ledges of this rock covering 250

Planning committees of 12 counties, meeting at Atascadero, Calif., April 21, formed an association of planning commissions of California.

J. P. Wright, Santa Barbara, was elected president. Other officers selected were Merwin Rosson, Huntington Park; Carmel Martin, Monterey; and W. H. Jahant, Wasco, vice-presidents, and D. H. Craig, Atascadero, secretary-treasurer.

A meeting to draft a constitution will be held in Santa Maria on May 17, to be followed by another meeting in Santa Barbara on June 23.

HERE — THERE — EVERYWHERE

According to word from Berlin, the United Steel Works of Germany has dismissed 5000 employees due to sharp decline in orders.

Monterey city council has passed print a building ordinance similar to that now in effect at Santa Barbara with the exception of minor change to suit local conditions.

Grade-crossing elimination bond to the amount of \$30,000,000 have been authorized by the legislature and Governor of New York State. Of this amount \$13,500,000 will be used with in the city of Syracuse.

Recommendation favoring the merger idea were directed to be forwarded to lumber industry organization at the unofficial closed conference of 45 Eastern, Southern, California and Pacific Northwest lumber company executives, held at Del Monte last Wednesday. Desirability of developing mergers, particularly from the angles of operation and merchandising was pointed out by several speakers. The Del Monte meeting revealed that public demand for lumber is at present 15 per cent less than last year, with prospects pointing to a gradual resumption of residential building and other lumber uses.

A licensed architect having had a number of years experience, and a building contractor who had likewise had considerable experience in the erection of buildings in his state are qualified as competent expert witnesses as to the difference in value of a building erected by a contractor as a result of defective workmanship and use of inferior materials, even though the architect and contractor may not have knowledge of real estate values. This ruled the court in the case of Mahan vs. Springers (Wash.) 283 Pac. 667, when it was sought to disqualify M. C. Pherson, licensed architect, and a Mr. Smith, contractor, as expert witnesses.

Cooperating with the National Lumber Manufacturers Association, the National Committee on Wood Utilization of the U. S. Department of Commerce, has placed at the disposal of the Fact Finding Committee for Aeronautics an airplane hangar of wood construction erected on the Bureau of Standards lot in Washington, D. C. This hangar is provided with automatic sprinklers, and a test covering the fire risk will be made during the latter part of this month. Based on the result of this test, the Committee will develop a bulletin on wooden airplane hangar construction.

"BOB" LOHEAD PASSES

Robert Lohead, 75, Fresno county supervisor, formerly engaged in the planing mill business in Fresno, died in that city April 13. Lohead became closely associated with the union labor movement and in 1905 became the labor candidate for mayor of Fresno, but was defeated. In 1907 he with several others founded the Fresno Planing Mill Company, of which he was president until March 1916, when he was elected supervisor a position which he held until January of 1929.

TRADE NOTES

Lodi Hardware Co. has opened new and enlarged quarters at 27 South School St., Lodi.

Construction will be started shortly on a new plant for the Kinney Iron Works in Forty-ninth Street, Los Angeles.

R. A. Wittick announces removal of the Los Angeles offices of the Kalman Floor Company to the Petroleum Securities Building, Tenth and Flower Streets.

Truscon Steel Co., Youngstown, Ohio, has appointed Oscar W. Loew a vice-president of the company. Mr. Loew has been director of advertising and sales promotion during the past six years.

American Air Filter Co., Inc., Louisville, Ky., formed as a consolidation of the Midwest Manufacturing Co., the National Air Filter Co. and the Teed Air Filter Co., will hereafter function as one organization.

California Builders Supply Co. of Oakland, has been incorporated. Directors are: Kenneth J. Shipp, Arthur D. Williamson and J. V. Enderit, all of Oakland. The company is capitalized for \$25,000 and will engage in general building material business.

National Pole & Treating Co., Everett, Wash., will improve and expand its plant capacity from five to eight cars a day at a cost of \$70,000. Installations will include a new creosoting unit, including two treating tanks with capacity of three cars daily and a pipe line.

N. Max Dunning, of Chicago, a director, and LeRoy Kern, of Washington, secretary of the American Institute of Architects, will lead the discussions on building and construction, which will be a feature of the annual meeting of the National Committee on Wood Utilization, of the Department of Commerce in Washington, May 2. The principal object of this meeting will be to afford members the opportunity of voicing their opinions as to how the Committee can act in carrying out the various projects it now has under way. A main project of the Committee at the present time is one which has to do with the stocking of chemically treated wood by retail lumber yards. A. R. Joyce, representing the American Wood Preservers Association, will lead the round table on this subject, and A. W. Armstrong of Chicago, will outline what the Committee is doing on this and other projects such as fireproofing, hardening, softening, and other wood-treating processes.

The promotion of the use in the manufacturing field of small dimension stock, that is, stock cut to sizes which can be used by industry with a minimum of manufacture, is one of the Committee's principal activities. E. Colesworthy, of Worcester, Mass., representing the National Association of Purchasing Agents on the National Committee on Wood Utilization, and Chairman of the sub-committee on small dimension, will open the discussion of this subject.

ALONG THE LINE

H. N. Bishop, building inspector of Willow Glen, Santa Clara County, has resigned. Bishop is now fulfilling the duties of city engineer of Willow Glen and Sunnyvale.

David P. Bradley, general superintendent for the Hall-Johnson Company, paving contractors of Alhambra, died in Los Angeles April 16 after a brief illness of heart disease.

Frank J. Rossi, city engineer of Modesto, has been elected president of the Modesto Chapter, American Association of Engineers. He succeeds Marin Crews. Other officers are G. D. Macomber of Oakdale, vice-president, and H. C. Moore, secretary-treasurer.

Kenneth Smith, for the last two years secretary-manager of the Lumber Dealers' Association of Los Angeles has resigned, and upon his recommendation the office maintained by the association has been closed.

Warren C. Earle, former Pasadena city engineer, and T. C. Breitenstein, paving contractor, were convicted of four counts of grand theft April 17. The men, who were charged with defrauding the city of Pasadena of \$42,000, were remanded to jail and their \$20,000 bonds exonerated. They will appear tomorrow for sentence.

I. G. MacDuff, city building inspector of Tacoma, in addressing the city council of Hoquiam, Wash., urged adoption by that city of the uniform building code as prepared by the Pacific Coast Building Officials' Conference.

Richard Wright, manager of the Los Angeles office of Architect Carlton M. Winslow, died April 8 of heart disease. He was 45 years of age, had been in Mr. Winslow's employ for the last five years and was a member of the State Bar Association. His father, editor of the Boston Globe, and a daughter living in Los Angeles, survive.

WARPED LUMBER CAN BE STRAIGHTENED

The Atlantic Lumber Company, large manufacturers and wholesalers of hardwood lumber, Boston, Mass., tells in its "Log" the interesting process of dealing with warped lumber and pressing it out straight and flat. "One of the things our experiments in steam curing Sap Gum has taught us," the article runs, "is that wood is plastic at a high temperature in saturated air. Steam is, of course, saturated air, and crooked lumber can be straightened in the following manner in a dry kiln: Stack on kiln trucks with stacking strips six inches apart. Place a heavy weight on top of the piles or else put your crooked lumber only in the bottom of the piles and complete your stock with straight lumber which will serve as a weight to be in place in case you want to continue and kiln dry the entire lot. Next turn on live steam and bring the temperature by means of live steam only, to 190 degrees F. If the kiln is loaded this way at night, you can open the door the next morning and find no evidence of warped lumber."

TRADE LITERATURE

Small water turbines of the reaction, inward flow or vortex type, are described in a 16-page catalog issued by the De Laval Steam Turbine Co., Trenton, N. J.

Advantage of the Ferry mushroom pile, a concrete cast-in-place pile with spread footing, are outlined in an 8-page illustrated bulletin issued by the James Ferry Co., Inc., Atlantic City, N. J.

An unusually attractive 20-page booklet illustrated in color has been put out by the American Hoist & Derrick Co., St. Paul, Minn., describing its line of power shovels, cranes, hoists and derricks.

Standard specifications and safe loading tables for Macomber bar joints in tabular form have been issued in a revised edition by the Macomber Steel Co., Canton, Ohio. This company has also issued a 4-page folder describing accessories for use with the joints.

Condensed heating rates in tabular form covering the season 1929-1930, as charged by organizations distributing steam or hot water for district heating in the United States, are given in a pamphlet issued by the Ric-Wil Co., Cleveland, Ohio.

Final draft of the "Manual for Carpenters," a handbook which is being prepared jointly by the Federal Board for Vocational Education and the National Committee on Wood Utilization of the U. S. Department of Commerce, has been sent to the Government Printing Office. It will contain approximately 200 pages and more than 150 illustrations devoted to wood construction practices of value to carpenters and builders. The manuscript has already been approved by the practical carpenters consulted.

Advantages of the screw propeller or axial flow pump, largely used for land drainage and similar purposes, are outlined in an illustrated booklet issued by the Washington Iron Works, Seattle, Wash. This describes Gill pumps, designed on the axial flow principle and consisting essentially of a bladed screw rotor, resembling in some respect a ship's propeller, working between guide vanes and surrounded by a short cylindrical casing. A distinguishing feature of these pumps is that the flow of water through the machine is not altered in general direction and there is little change in axial speed.

UNPRECEDENTED BOOM SHOWN IN BUILDING

That the nation is in the midst of an almost unprecedented building boom is revealed by the Department of Labor.

Reports from 292 cities having a population of 25,000 or over show an increase of 50.6 per cent in the estimated expenditures for all building operations for which permits were issued in March, compared with permits issued in February.

The estimated cost of all building operations included in the March permits was \$164,165,206, compared with \$109,009,775 in February.

CORRECTION

The following communication from Geo. W. Williams is self-explanatory: "In your issue of Saturday, April 19, you have a news item about the G. W. Williams Company."

"In this news item you state that G. W. Williams Company, Ltd., has been authorized to issue 5016 shares of Common Stock to Geo. W. Williams."

"As a matter of fact, G. W. Williams Co., Ltd., was authorized to issue 5016 shares of Common Stock to G. W. Williams Company, and not to any particular individual."

"I wish to make this correction inasmuch as G. W. Williams Company is at present owned by three individuals, Geo. W. Williams, Frank F. Burrows, and K. Williams. These individuals will secure stock in the new company in proportion to their holdings in the old one."

WESTERN METAL CONGRESS COMMITTEEMEN NAMED

Plans for the 1931 Western Metal Congress and Exposition to be held in San Francisco the week of February 16, are rapidly progressing under the leadership of Ivan L. Johnson, Best Steel Casting Co., Oakland, chairman of the general committee appointed by W. H. Eisenman, secretary of the American Society for Steel Treating, to handle local arrangements for the Convention and show.

The following men have recently consented to head sub-committees: Howard S. Taylor, Leland Stanford University, is chairman of the program group; James V. Coulter, Earl M. Jorgensen Co., Oakland, leads the exhibit committee; John R. Gearhart, John R. Gearhart Co., Oakland, will arrange for plant inspections, entertainment will be planned by a committee serving under Harold E. Gray, Bethlehem Steel Co., San Francisco; registration and attendance will be handled respectively by George E. Batten and S. Craig Alexander, both of the Ludlum Steel Company's San Francisco office.

SAN JOSE ARCHITECTS SUE FOR UNPAID FEES

Wolfe & Higgins, San Jose architects, have filed suit in the superior court in that city against Victor M. Smith, wealthy official of the U. S. Shipping Board and a stockholder in the Dollar Steamship Company.

The suit is brought for a bill of \$1001 for professional services and interest for eight years, making a total of \$1608.

Smith, according to the complaint, commissioned the architects to prepare plans for a Japanese tea garden project at San Antonio Road and the highway east of Los Gatos. When the project "fell through," he failed to compensate the architects for their services.

OPENS BRANCH FACTORY

The Electro Therapy Products Corp., Ltd., a branch of Electrical Production Corporation, owners of "Claude Neon Lights," have recently opened a branch factory at 255 Golden Gate Avenue, San Francisco. The company specializes in medical lights only, manufacturing the Mercury Quartz lights for physicians and other doctors. Arthur F. Boles is district manager for northern California.

FEDERAL CONSTRUCTION NOT FOR OAKLAND ARCHITECTS

Oakland architects cannot be employed to expedite work on the new Oakland postoffice building.

Representative Albert E. Carter was so informed, by treasury department officials, according to a Universal Service report from Washington, D. C.

It was explained that to do so would interfere with work already under way by treasury departments architects.

At the same time the post office department announced that H. S. Roberts will visit Oakland soon to confer with Postmaster William Nat Friend on postal service arrangements in the new building.

CONTRACTORS' RESPONSIBLE FOR DAMAGE BY BLASTING

Irrespective of whether due care is used in handling explosives a contractor or other person responsible therefor is liable for damages resulting therefrom, even though such damage may result from vibration or concussion and not from chunks or masses of material projected through the air.

This is the ruling of the Appellate Court, Second District, Division I, in the case of Maude L. McKenna vs. Pacific Electric Railway Co., and Twoby Bros. Company (Civil No. 5655). The latter were contractors who built the Pacific Electric Tunnel in Los Angeles from the Hill St. station to First St. and Glendale Blvd. Plaintiff was owner of a house at Fourth and Boylston Sts., on a hill through which the bore was made. The house was close to the line of the tunnel which was 74 feet or more below the top of the hill. Damage to the property resulted from the vibrations caused by blasting in the tunnel.

In the superior court the railway company was released from responsibility but the plaintiff was awarded \$175 damages from Twoby Bros. Company. The judgment was appealed by the latter. The opinion of the appellate court, just published, discloses that defense set up the claim that no complaint of negligence was made and that it could not be held responsible for any damage except that it was the result of negligence. Various cases were cited in support of this contention. These involved damage by physical projectiles and missiles but the court held that it could see no reason for differentiating between responsibility for damage done by these and responsibility for damage done by vibration or concussion.

NEW PLANT PROPOSED

Graybar Electric Company contemplates the erection of a new plant in Los Angeles when leases on the present quarters expire. It is understood that the leases have several years to run. The building will be similar to the new Graybar plant in San Francisco.

San Francisco offices for Aurora Products, Inc., manufacturers of Neon signs, will probably be opened by May 1, it is announced by W. J. McGhee of Los Angeles, vice-president and general manager of the company, who is spending several days here making necessary arrangements.

1930 WILL PROVE TO BE A BANNER STREET PAVING YEAR

Official figures received from a majority of the eighty-eight cities in the United States having a population of 100,000 or more, in a census of city paving being taken by the Asphalt Institute, show that despite the industrial depression that existed last fall, the year 1929 witnessed the construction of approximately 45,000,000 sq. yds. or about 4400 miles of new city pavements of a higher type than waterbound macadam, an increase of about eleven per cent over 1927 and 1928.

The returns show also that a tremendous paved yardage is in prospect for 1930, most of the cities planning greatly expanded programs in accordance with the plan of President Hoover, the Department of Commerce, the municipalities and the construction industries to afford work for the unemployed and "make prosperity permanent." City paving, in the larger cities at least, according to indications, will be from fifteen to twenty per cent greater in 1930 than in 1929.

Returns from the paving census show that in sixty-three cities, or about seventy-five per cent of those having 100,000 population or more, a total of 32,491,938 sq. yds., or about 3200 miles, of new pavements of type higher than waterbound macadam were constructed in 1929. As asphalt streets constructed that year totaled 21,633,496 sq. yds. or approximately 2060 miles, while the other types higher than waterbound macadam amounted to 10,858,442 sq. yds. or approximately 1160 miles.

On this basis the eighty-eight cities in the United States having 100,000 or more population, constructed, in 1929, 35,290,000 sq. yds. of new streets, or roughly, 4400 miles of pavement, eighteen feet wide. In 1929, the eleven largest cities in the United States—Boston, New York, Buffalo, Philadelphia, Pittsburgh, Chicago, Detroit, Cleveland, St. Louis, Baltimore and Los Angeles, constructed a total of 18,222,608 sq. yds. or approximately 1700 miles of high-type pavement, of which 11,617,624 sq. yds., or 1050 miles were of asphalt and 6,604,984 sq. yds. or 650 miles, were of other types. In 1927 these same cities constructed a total of 13,027,958 sq. yds., or approximately 1200 miles, of new streets. Of this, a total of 9,121,525 sq. yds., or 900 miles, were of asphalt and 3,906,433 sq. yds., or 300 miles, were of other types.

For 1930 cities in the Middle Atlantic states will lay approximately twelve per cent more pavement than in 1929. Those in the East-South-Central states will increase their yardage by at least four per cent. Cities in the West-South-Central states will show an increased construction of about fifty-eight per cent. Construction in New England, South-Atlantic, East North-Central and Pacific Coast cities will but slightly exceed that of 1929 in some cases, and in others will equal the improvements last year.

OTIS ELEVATOR EARNINGS

First quarter earnings of the Otis Elevator Company amounted to \$1,759,443, equal to 8 cents a share or 2,000,000 no par common shares, compared with \$1,692,506, or 79 cents share, computed on the same share basis, earned during the same quarter of 1929.

Building News Section

APARTMENTS

Plans Being Figured By Selected List Of Contractors.
APARTMENTS Cost, Approx. \$50,000
SAN FRANCISCO. Haight & Steiner Streets.
 Five-story steel frame and concrete apartments.
 Owner—Mrs. L. Hagmaier, 222 Fillmore St., San Francisco.
 Architect—Bliss & Fawcett, Balboa Bldg., San Francisco.

Plans Being Completed.
APARTMENTS Cost, \$—
SAN FRANCISCO. Fourteenth and Rosemont Streets.
 Five-story and basement steel frame and concrete apartments.
 Owner and Builder—Henry W. Petersen, % Crocker Amazon Realty Co., 912 Geneva Ave.
 Architect—E. E. Young, 2002 California Street.
 Sub-bids will be taken in 2 weeks.

Sub-Bids Being Taken.
ALTERATIONS Cost, \$35,000
SAN FRANCISCO. No. 1579 Greenwich Street.
 Alterations and additions to (18) apartments.
 Owner—S. Schwalbe, Premises.
 Plans by E. K. Dobkowitz, 425 Montecrey Blvd., San Francisco.
 Contractor—Augustine & Certel, 1566 Church St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, \$300,000
OAKLAND. Alameda Co., Cal. Excelsior and Capelli Sts.
 Eight-story class A, B and C steel frame apts. (brick exterior, concrete and wood floors).
 Owner—Leonard Thomas, et al, 731 E 10th St., Oakland.
 Plans by Leonard Thomas, 731 E 10th St., Oakland.
 Plans will not be ready for at least six weeks.

Inclinator Contract Awarded.
APARTMENTS Cost, \$200,000
SAN FRANCISCO. SE O'Farrell and Franklin Sts.
 Six-story steel frame and reinforced concrete class C apartment building (42 2-and 3-room apts.).
 Owner and Builder—C. S. Hoffman, 1541 Howard St.
 Inclinator—Baldt-Falk and Co., 557 Market St. (Heinbach Twentieth Century).

As previously reported electric work awarded to Aetna Elec. Co., 1337 Webster St.; plumbing and heating to J. Gibbs Sons, 1706 Geary St.; structural steel to Golden Gate Iron Works, 1541 Howard St.; grading to G. Blanchini, 750 Silver Ave.

Sub-Bids Being Taken.
APARTMENTS Cost, \$650,000
SAN FRANCISCO. California St. and Joyce St.
 Eight-story Class A steel frame and reinforced concrete apartments (300 rooms).
 Owner and Builder—Marian Realty Co., 110 Sutter St., San Francisco.
 Architect—H. C. Baumann, 251 Kearny St., San Francisco

Plans Being Prepared—Contract Awarded.
APARTMENTS Cost, \$50,000

SAN FRANCISCO. S Jefferson St. 192 E Broderick St.
 Three-story and basement frame and stucco apartments (12 3 and 4-room apts)
 Owner—J. Fenech.
 Plans by D. E. Jaekle, Call Bldg., San Francisco.
 Contractor—Standard Bldg. Co., 1610 Harrison St., San Francisco.
 Elevator, oil burner, heating system and all other modern conveniences.
 Sub-bids will be taken within one week.

Sub-Contracts Awarded.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. S Sacramento St. W Franklin St.
 Four-story and basement class C (16) apartments.
 Owner and Builder—L. D. Stoff, 26 Montgomery St.
 Architect—H. C. Baumann, 251 Kearny Street.
Structural Steel—Golden Gate Iron Works, 1541 Howard St.
Electric Work—Aetna Electric Co., 1337 Webster St.
Lumber—Pope & Talbot Lumber Co., Russ Bldg.
 Sub-bids are being taken on other portions of the work.

Sub-Bids To Be Taken In One Week.
APARTMENTS Cost, \$50,000
SAN MATEO. San Mateo Co., Cal.
 Three-story and basement frame and stucco apartments (18 3-room apts.)
 Owner—Withheld.
 Architect—Enri Cavasso, 235 3rd Ave., San Mateo.
 Contractor—Sierra Constr. Co., 235 Third Ave., San Mateo.

Sub-Figures Being Taken.
APARTMENTS Cost, \$150,000
OAKLAND. Alameda Co., Cal. Excelsior Blvd. near Beacon St.
 Six-story brick apartments.
 Owner and Builder—H. Danskanen, 570 Excelsior Blvd., Oakland.
 Architect—Clay M. Burrell, American Bank Bldg., Oakland.

BONDS

NORTH SACRAMENTO. Cal.—Election will be held May 7 in North Sacramento School District to vote bonds of \$25,000 to finance school improvements.

A Demonstration of the SKILSAW PORTABLE ELECTRIC HAND SAW

Will save your cutting problems.
 (Four Models, 1/2 to 1 h. p.)

**ELECTRIC HAMMERS
 ELECTRIC DRILLS
 GRINDERS, BUFFERS**

PETER H. NELSON

Labor Saving Portable Electric Tools.

1222 Mission St. Underhill
 San Francisco 1267

COLUSA. Colusa Co., Cal.—County supervisors sell at private sale the \$45,000 bond issue of the Grand Island Grammar School District for premium of \$1118; proceeds of the sale to finance erection of a new school.

SAN JOSE. Santa Clara Co., Calif.—Until May 5 bids will be received by county supervisors for purchase of \$45,000 bond issue of Franklin School District; proceeds of sale to finance erection of a new school building.

FRESNO. Fresno Co., Cal.—Election will be held May 15 in Bullard School District to vote bonds of \$30,000 to finance erection of a new school. Trustees of the district are: F. L. Alcorn, W. G. Mulholland and H. D. Bartlett. Swartz & Ryland, architects, Spazler Bldg., Monterey, 373 Main St., Salinas, and Brix Bldg., Fresno.

UPPER LAKE. Lake Co., Cal.—Election will be held April 26 in Upper Lake Union School District to vote bonds of \$35,000 to finance erection of a new school. Trustees of the district are: W. C. Hunter (clerk) G. C. Wayne and Taylor A. Day.

OROVILLE. Butte Co., Cal.—Election will be held May 10 in Lone Tree School District to vote a direct tax for \$1,250 to finance erection of a new school to replace the structure recently destroyed by fire. Trustees of the district are: E. A. Smith, S. T. Jones and G. E. Farnan.

YOUNTVILLE. Napa Co., Cal.—Yountville School District votes bonds of \$20,000 to finance erection of one-story hollow tile school building. Trustees of the district are: Mrs. Nellie Berman, Walter Tonascia and Miss Gladys Whitton. Coffman, Sahlgren & Stafford, Forum Bldg., Sacramento, architects.

CHURCHES

Contract Awarded.
CHAPEL Cost, \$17,000
SOUTH SAN FRANCISCO. San Mateo Co., Cal.
 One-story reinforced concrete chapel for undertaking establishment
 Owner—S. Neri Undertaking Co., 322 Grand Ave., South San Francisco
 Architect—Edwards & Schary, 605 Market St., San Francisco.
 Contractor—Antonio Pianca, 109 Pine Terrace, South San Francisco.

Contract Awarded.
CHURCH Cost, \$6500
LIVINGSTON. Merced County, Calif.
 Adams and Simpson Sts.
 One-story frame and stucco church.
 32x64-ft., with tile roof.
 Owner—Roman Catholic Archbishop.
 Architect—Not Stated.
 Contractor—Leo Held, Livingston, Cal.

FRESNO. Cal.—Second Baptist Church, Rev. F. D. Haynes, pastor, Merced and G Sts., has started a campaign to raise funds for the erection of a new edifice

SANTA BARBARA. Cal.—First Congregational Church will erect new edifice on Anacapa St., between Islay

and Valerio Sts. Building committee will be appointed at once.

SPARKS, Nevada.—Catholic Church at F and 18th Sts., partially destroyed by fire April 20. The loss is estimated at \$6,000.

FACTORIES AND WAREHOUSES

Plans Being Figured.
ADDITION Cost, \$40,000
HAKERSFIELD, Kern Co., Cal.
Four-story concrete addition to warehouse.
Owner—G. H. Galbraith.
Architect—Chas. H. Biggar, Bank of Italy Bldg., Bakersfield.

Plans To Be Prepared.
DISTRIBUTING PLANT Cost, \$15,000
PITTSBURG, Contra Costa Co., Cal.
Distributing plant.
Owner—Gilmore Mid-State Oil Co., Los Angeles.
Architect—Eng. Dept. of Owner.
Similar plants will be constructed by the same corporation at San Jose, Hanford, Hollister and Modesto.

To Be Done By Day's Work By Owner.
FACTORY Cost, \$10,000
OAKLAND, Alameda Co., Cal. N. E. 11th St., S 32nd.
One-story concrete factory.
Owner—Standard Acetylene Gas Co., 671 61st St., Oakland.
Architect—Guy L. Brown, American Bank Bldg., Oakland.

Contract Awarded.
WAREHOUSE Cost, \$20,000
SAN MATEO, San Mateo Co., Cal.
San Mateo Drive and Peninsula Avenue.
One-story frame offices and warehouse.
Owner—San Mateo Feed & Fuel Co., 850 San Mateo Drive, San Mateo.
Architect—None.
Contractor—S. A. Wisnom, 140 S. Ellsworth St., San Mateo.

Preliminary Plans Being Prepared.
CREAMERY Cost, \$—
SAN FRANCISCO. 18th and York Sts. (137-6x200-ft.)
Two-story and basement class B concrete creamery (foundation laid for two additional stories to be added later).
Owner—Challenge Creamery & Butter Assn., 807 Montgomery St.
Architect—Dodge Riedy, Pacific Bldg.

Bids To Be Taken April 25.
CREAMERY Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. W. San Carlos and Locust Sts.
One-story reinforced concrete creamery.
Owner—Hester Dairy, San Jose.
Architect—Wolfe & Higgins, Realty Bldg., San Jose.

OAKLAND, Alameda Co., Cal.—Until May 5, 4:30 P. M., bids will be received by City of Oakland Port Commission for 24 steel rolling doors for the transit shed on Ninth Ave. Pier.

Plans Complete.
TRANSIT SHED Cost, \$—
OAKLAND, Alameda Co., Cal. Ninth Avenue Pier.
One-story reinforced concrete superstructure for transit shed (504x180 ft.; two 70-ft. trusses and one 40-ft. truss).
Owner—City of Oakland Port Commission, 424 Oakland Bank Bldg., Oakland.
Architect—Eng. Dept. of Owner.
Bids to be asked April 28th.

Plans Being Completed.
CREAMERY Cost, \$14,000
SAN MATEO, San Mateo Co., Cal.
Bayshore Highway.
Owner—Jersey Farm Creamery.
Plans by Enri Cavasso, 235 3rd Ave., San Mateo.
Bids will be taken in one week.

Contract Awarded.
DISTRIBUTING PLANT Cost, \$20,000
STOCKTON, San Joaquin Co., Cal.
Pacific Ave. adjacent to Western Pacific Railroad Spur.
One-story concrete distributing plant and offices.
Owner—Gilmore Oil Co., 1560 Lucerne St., Stockton.
Private Plans.
Contractor—George H. Murphy, 35 E. Harding Way, Stockton.

At a later date the company will construct or purchase a chain of service stations extending from Stockton to Hollister, San Benito County, in addition to distributing products to independent dealers throughout that region.

MIAMI, Arizona—Apache Vanadium Corp., J. G. Scarborough, president, expects to start work within three months on erection of 150-ton capacity mill near Radium.

Contract Awarded—Sub-Bids Being Taken.
CREAMERY Cost, \$30,000
SACRAMENTO, Sacramento Co., Cal. 21st and Q Sts.
One- and two-story brick creamery.
Owner—Home Milk Co.
Plans by Mr. Holdener.
Contractor—Holdener Const. Co., 2608 R St., Sacramento.

Contract Awarded—Sub-Bids Being Taken.
MFG. PLANT. Cost, \$125,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
Part two-story and part six-story steel, brick and concrete manufacturing plant.
Owner—Pacific Bone, Coal & Fertilizer Company.
Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco

Contract Awarded—Sub-Bids Being Taken.
WAREHOUSE Cost, \$50,000
SUNNYVALE, Santa Clara Co., Cal.
One and two-story concrete warehouse.
Owner—Libby, McNeill & Libby, Merchants Exchange Bldg., S. F.
Architect—Eng. Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Sub-Contract Awarded.
HANGAR Cost, \$100,000
ALAMEDA, Alameda Co., Cal. Alameda Airport.
Steel frame hangar (120x450 ft.)
Owner—Alameda Airport, Inc.
Private Plans.
Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Wood Piling—Healy-Tibbitts Constr. Company.
Structural Steel—Western Iron Wks. Siding—Capitol Art Metal Co.
Steel Sash and Glazing—Herrick Iron Works.

Plans Being Prepared.
WAREHOUSE Cost, \$60,000
SAN MATEO, San Mateo Co., Cal. Peninsula Avenue and Woodside Way.
Warehouse, rock, sand and gravel bunkers.

Owner—H. E. Casey Co. (H. E. Casey, Manager), San Mateo.
Architect—Eng. Dept. of Owner.

Plans Being Figured—Bids Close April 24th.
OFFICES, ETC. Cost, \$25,000
VALLEJO, Solano Co., Calif.
Offices, warehouse and tanks (corrugated iron and wood frame construction).
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Eng. Dept. of Owner.

Plans Being Figured—Bids Close May 13, 2 P. M.
STATIONS Cost, \$—
LOS ANGELES COUNTY, Orange County and Ventura County on State Highway.
Three maintenance stations (comprising one-story cottage, garage, bunk house and oil house; frame construction).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
See call for bids under official proposal section in this issue.

GARAGES AND SERVICE STATIONS

Sub-Contracts Awarded.
STATION Cost, \$10,896
SACRAMENTO, Sacramento Co., Cal. Marione Vista (H Street Road).
Super-service station.
Owner—G. W. Bowen, 825 J St., Sacramento.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Contractor—Cuth & Fox, 1516 27th St., Sacramento.
Lessee—Mr. Wallaner.
Concrete Work—Frank Harin, 1618 7th St., Sacramento.
Brick Work—Harry Jensen, 3733 Miller Way, Sacramento.
Lumber—Dolan Bldg. Material Co., 31st and P Sts., Sacramento.
Painting—George Harper, 34th and Fourth Ave., Sacramento.
Plumbing—North Sacramento Plumbing Co., North Sacramento.
Plastering—Wm. Low, 1009 J St., Sacramento.
Tile Work—Fisher Tile Co., 1214 J St., Sacramento.
Ornamental Iron—Palm Iron Works, 15th and S Sts., Sacramento.
Tile Roofing—Capitol Roofing Co., 2011 Q St., Sacramento.
Hardwood Floors—Johnson Floor Co., 42nd and 2nd Ave., Sacramento.
Mill Work—Burnett & Sons, 12th and North E Sts., Sacramento.
Glass and Glazing—W. P. Fuller Co., 1015 12th St., Sacramento.
Electric Wiring—J. W. Thomas, 3216 L St., Sacramento.
Electric Fixtures—Vogt & Co., 1106 J St., Sacramento.
Hardware—Murray & Low, 1009 J St., Sacramento.
Sheet Metal—Crouch Sheet Metal Corp.

Plans Being Revised.
WAREHOUSE Cost approx. \$200,000
PALO ALTO, Santa Clara Co., Cal.
Brick tire warehouse and super-service station.
Owner—Firestone Tire & Rubber Co.
Architect—Charles W. McCall, 1404 Franklin St.

All modern conveniences will be installed. New bids will be called for at later date.

Plans Being Prepared.
ALTERATIONS, ETC. Cost, \$—
SAN FRANCISCO. Stevenson Street between Second and Third Sts.
Alterations and addition to present garage (90x30 ft.)

Owner—M. A. Harris and Elmer B. Stone, Fifth and Brannan Sts., San Francisco.
 Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

GOVERNMENT WORK AND SUPPLIES

HAWTHORNE, Nevada—Until May 6, 10 A. M., bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish switching locomotive to Naval Ammunition Depot at Hawthorne. Specifications and further information obtainable from above office and on file in Navy Purchasing Office, 100 Harrison St., San Francisco.

HAWTHORNE, Nevada—Until April 29, 10 A. M., bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish electric ranges for Naval Ammunition Depot at Hawthorne. Specifications obtainable from above office and on file in Navy Purchasing Office, 100 Harrison St., San Francisco.

PEARL HARBOR, T. H.—Stern Co., of Washington, Inc., Washington, D. C., at \$219.50 awarded contract by Bureau of Yards and Docks, Navy Department, to furnish and install display case and refrigerating machine at Naval Operating Base, Pearl Harbor, under Specification No. 6087.

JUNEAU, Alaska—Until May 12, bids will be received by Supervising Architect, Treasury Department, Washington, D. C., to furnish and install 2 electric elevators in U. S. Federal and Territorial Building at Juneau. Plans obtainable from above office.

SAN FRANCISCO—Until April 30, 10 A. M., under Schedule No. 928-30, 263, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, to furnish and deliver:

350 rolls wire cloth, hard drawn golden bronze, No. 18 mesh, No. 33 gauge wire, in 100 lin. ft. rolls of which 200 rolls will be 36 inches wide and 150 rolls 48 inches wide
 1800 packing boxes, in shook, 34½ inches long, 17½ inches wide, 13½ inches deep.

1050 gals. motor gasoline, in steel drums or barrels of approx. 50 gals.

Further information obtainable from above office.

PACIFIC COAST—President Hoover has submitted to the House a supplemental estimate calling for \$28,693,540 for public building construction which includes the following appropriations for Pacific Coast sections: Berkeley, postoffice, \$190,000; El Centro, postoffice, \$140,000; Los Angeles, quarantine station, \$70,000; Merced, postoffice, \$130,000; Modesto, postoffice, \$195,000; Oroville, postoffice, \$145,000; Palo Alto, postoffice, \$210,000; Stockton, postoffice, \$695,000; Watsonville, postoffice, \$20,000.

SITKA, Alaska—Seattle Structural Painting Co., Seattle, at \$2640 awarded contract by Bureau of Yards and Docks, Navy Department, to paint radio towers at Sitka, Alaska.

HAWTHORNE, Nevada—Howe Scale Co., 415 Arch St., Philadelphia, Pa., at \$5834 awarded contract to furnish and install railroad scales at Naval Ammunition Depot, Hawthorne.

PEARL HARBOR, T. H.—John Hansen, Honolulu, at \$26,392 awarded contract by Bureau of Yards and Docks, Navy Department, to erect addition to Motor Test building at Pearl Harbor.

SACRAMENTO, Cal.—Until April 30, 11 A. M., under Order No. 1841-1625, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano county, 2 doz. 4-in. wide flat palm brushes; 2 doz. flat paint brushes, 3-in. wide; 1 doz. floor sweep brushes, 18-in. wide; 1 doz. counter, horsehair brushes. Further information obtainable from above.

SACRAMENTO, Cal.—Until May 13, 11 A. M., under Circular Proposal No. 30-347, Specification No. 1598, bids will be received by U. S. Engineer Office, California Fruit Bldg., to construct and deliver afloat one survey boat. Further information obtainable from above.

SAN FRANCISCO—Price Building Specialties Co., 683 Howard St., at \$1106 awarded contract by Constructing Quartermaster, Fort Mason, to install electric dumbwaiter in Officers' Ward No. 54 at Letterman General Hospital, Presidio.

PUGET SOUND, Washington—C. C. Moore & Co., Sheldon Bldg., San Francisco, at \$38,869 awarded contract by Navy Department for installation of condenser at Puget Sound Navy Yard.

SAWTELLE, Los Angeles Co., Cal.—Representative Joe Criss asked the house veterans' sub-committee this week to approve his bill for a \$2,000,000 appropriation for the construction of a 500-bed hospital at the Sawtelle Soldiers' Home.

ALBROOK FIELD, Canal Zone.—Until 11 A. M., May 15, bids will be received by war department, office of Department Quartermaster, Quartermaster's Office, at \$415,000, excavating 415,000 cu. yd. of earth, more or less, and placing same in embankment for aeroplane landing field, and for constructing 15 miles, more or less, of sub-surface vitrified tile drainage ditches at Albroke Field, Canal Zone. Plans obtainable on deposit of certified check for \$10, to order of treasurer of United States, at above office, or at office of constructing quartermaster, No. 39 Whitehall St., New York City, N. Y.

SAN DIEGO, Cal.—Until 11 A. M., April 29, bids will be received by the Public Works Officer, 11th Naval District, San Diego, for electrical system for the Marine Railway at the Naval Operating Base (Destroyer Base), San Diego, Specifications No. 6142. The work includes three man-holes and three terminal boxes, with equipment, with conduits and wiring to same from existing services. The following additional work is required on the cradle: 1 switch panel; 10 one-light and 2 two-light standards; 18 plug outlets; conduits and wiring between switch panel plug outlets and light standards. If bidding data are desired there should be forwarded to the Public Works Officer, Headquarters, 11th Naval District, foot of Broadway, San Diego, Calif., a check or postal money order for \$10 payable to the Chief of Bureau of Yards and Docks as security for the safe return of drawings and specification. Data will then be mailed for bidding purposes. Geo. A. McKay, Captain (CHC), U. S. N., Public Works Officer.

SAN FRANCISCO—Until April 29, 10 A. M., under Schedule No. 928-30, 259, bids will be received by Quar-

master Supply Officer, General Depot, Fort Mason, to furnish and deliver 20 gals. black engine paint or enamel; 24 lbs. dry lampblack; furnish labor and materials to repair and clean 79 boilers, tin round, 15 gallon capacity, with faucets and strainers; parts for Westinghouse rotary converter; garden hoses, sickles and scythes. Further information obtainable from above.

PHOENIX, Ariz.—Until May 12, 2 P. M., bids will be received by Jno. B. Brown, superintendent, U. S. Indian School, to furnish and deliver one X-Ray apparatus complete. Further information obtainable from above.

Plans Being Figured—Bids Close May 23.

POSTOFFICE Cost, \$—
KLAMATH FALLS, Oregon.

Three-story and basement fireproof postoffice.

Owner—United States Government.
 Architect—Supervising Architect, Treasury Dept., Washington, D. C.

Will be approximately 9400 sq. ft. ground area. Plans obtainable from Supervising Architect on deposit of \$25, returnable.

MARE ISLAND, Cal.—Following is a partial list of prospective bidders to erect shell houses and construct extension to railroad at Mare Island Navy Yard, under Specification No. 6104, bids for which will be opened by the Bureau of Yards and Docks, May 7:

Mesker Bros. Iron Co., 421 S. 6th St., St. Louis
 Koppel Industrial Car & Equipment Co., Beaver Co., Koppel, Pa.

SAN DIEGO, Cal.—Robert T. Dawson, 4333 Maryland Ave., San Diego, at \$7,461.75, under Specification No. 6130, awarded contract by Bureau of Yards and Docks, Navy Department, to construct extension to timber bulkhead at San Diego.

PHOENIX, Arizona—Until April 23, bids will be received by Superintendent, Phoenix Indian Sanatorium, to furnish and deliver 30 white enamel surgical beds. Further information obtainable from above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Department Officer, 100 Harrison St., San Francisco:

Bids Open May 6

Sch. 3247, Thorne, 1 switching locomotive, oil-burning.

Sch. 3252, western yards, hair felt, curled, hair, woven or burlap.

Sch. 3257, Mare Island, 22 hydrocarbon gas indicators; Puget Sound, 15 do.

Sch. 3261, Mare Island, 5,000 yards wool bunting.

Sch. 3256, Puget Sound, high-pressure brass valves.

Bids Open May 9

Sch. 3244, western yards, lubricating oils.

Sch. 3169, all yards, lubricating oils.

PEARL HARBOR, T. H.—John Hansen, Honolulu, at \$26,392 submitted low bid to Bureau of Yards and Docks, Navy Department, under Specification No. 5921, for extension to motor test building at Pearl Harbor. Two bids submitted, as follows:

J. L. Young Eng. Co., Ltd., Honolulu, T. H., item 1, \$26,500, entire work easterly test; 2, \$970, deduct for omit-

ing sliding doors; 3, \$1,940, do; east-
erly and westerly test room.
John Hansen, Honolulu, T. H., item,
1, \$26,392; 2, \$1,562; 3, \$2,562.

SOUTH SAN FRANCISCO, San
Mateo Co., Cal.—D. E. Burgess, 602
South Center St., Stockton, at \$588
awarded contract by Bureau of Yards
and Docks, Navy Department, under
Specification No. 5945, for painting
radio masts at South San Francisco.

SAN FRANCISCO—Otis Elevator
Co., San Francisco, at \$9889 awarded
contract by U. S. Lighthouse Service
to furnish and install two elevators at
Goat Island in connection with ware-
house and shop buildings.

HALLS AND SOCIETY BUILDINGS

Sub-Contracts Awarded.

CLUB BLDG. Cost, \$65,000
Total cost of improvement, \$540,000
MILBRAE, San Mateo Co., Cal.
One and one-half-story frame and
stucco Spanish type club house.
Owner—Union League Golf & Country
Club (Subsidiary of Union League
Club).
Architect—Willis Polk & Co., 277 Pine
St., San Francisco.

Contractor—C. T. Magill, 185 19th Ave
San Francisco.

Tile—Ginsberg Tile Co., 540 Turk St.,
San Francisco, at \$2400
Painting—D. Zelinsky & Son, 165
Grove St., San Francisco, at \$3150.
As previously reported, plumbing
awarded to Scott Co., 243 Minna St.,
San Francisco.

Plumbing and Heating Contract
Awarded.

CLUB HOUSE Cost, \$—
MONTEREY, Monterey Co., Cal. Cy-
press Point Golf Club.
Two-story frame and stucco Califor-
nia type club house.

Owner—Cypress Point Golf Club.
Architect—George W. Smith, Santa
Barbara.

Contractor—Lindgren & Swinerton,
Inc., 225 Bush St., San Francisco.
Plumbing and Heating—Phillips Heat-
ing & Plumbing Co., 215 Monterey
St., Salinas, at \$7408.

As previously reported, concrete
aggregate awarded to M. J. Murphy,
Carmel.

Plans Being Revised.

LODGE BLDG. Cost, \$30,000
NILES, Alameda Co., Cal.
Two-story brick lodge building.
Owner—Odd Fellows.
Architect—George Ellinger, 1723 Web-
ster St., Oakland.

Bids will be taken in about two
weeks.

Plans To Be Prepared.

MEMORIAL BLDG. Cost, \$15,000
FORT BRAGG, Mendocino Co., Cal.
American Legion Memorial Club Bldg.
Owner—County of Mendocino, H. M.
Burke, county clerk, Ukiah.
Architect To Be Selected.

Campaign For Funds Underway.

GYMNASIUM Cost, \$35,000
VALLEJO, Solano Co., Cal. York and
Santa Clara Sts.

One-story gymnasium (type of con-
struction not decided; 90x56 ft.).
Owner—Naval Y. M. C. A. (W. T.
Wikie, manager), Vallejo.

Plans by Owner.

Construction will be started when
the \$35,000 necessary to finance is
raised by public subscription.

Plans Being Figured—Bids Close May
1st.

PAVILION Cost, approx, \$15,000
MANTECA, San Joaquin Co., Cal.
One and two-story wood frame or
brick dance pavilion.

Owner—S. D. E. S. M. Society (Por-
tuguese Society).

Architect—Jos. Losekann, 931 N. El
Dorado St., Stockton.

Bids are being received for a brick
pavilion and also wood.

Plans To Be Prepared.

CLUB HOUSE, ETC. Cost, \$—
INVERNESS, Marin Co., Cal. East
end of Bear Valley.

Frame club house, concrete swimming
pool, etc.

Owner—Wauhilla Aviation Club, De
Witt Markham, Manager and Di-
rector, 426 Russ Bldg., S. F.

Architect—Willis Polk Co., 277 Pine
St., San Francisco.

The project will be fully developed,
with a championship golf course, hard
surface tennis courts, hand ball courts
concrete swimming pool, archery
range, traps, facilities for equestrien-
nes, children's play grounds, and a
landing field, adjacent to the first tee,
fully equipped for day and night fly-
ing, and suitable for all types of
planes.

Preliminary Plans Being Prepared.

CLUB Cost, \$—
PERKELEY, Alameda Co., Cal. No.
2101 Allston Way.

Four-story fireproof club (60x90 ft.)
Owner—W. M. C. A.

Architect—W. H. Ratcliff Jr., Chamber
of Commerce Bldg., Berkeley.

Plans To Be Prepared.

MEMORIAL BLDG. Cost, \$15,000
UKIAH, Mendocino Co., Calif.
American Legion Memorial Club Bldg.
Owner—County of Mendocino, H. M.
Burke, county clerk, Ukiah.

Architect—Coffman, Shalberg & Staf-
ford, Forum Bldg., Sacramento.

HOSPITALS

LAKEPORT, Lake Co., Cal.—Dr.
Chas. Craig, Lakeport, in a report to
the Lakeport Business Men's Center,
announces that preliminary plans for
a \$15,000 hospital will be submitted in
the immediate future. The hospital
will be financed and maintained by
local business interests.

Preparing Plans.

CLINIC Cost, \$—
LONG BEACH, Los Angeles Co., Cal.
Broadway and Cherry Street.
Two-story brick clinic (100x150 ft.)
Owner—Dr. Harriman Jones.
Architect—C. T. McGrew & Sons, 1345
W. Ocean Blvd., Long Beach.

Plans Completed.

HOSPITAL Cost, \$400,000
PALO ALTO, Santa Clara Co., Cal.
On State Highway north of Palm
Drive.

Four-story reinforced concrete hos-
pital (100-bed capacity).

Owner—City of Palo Alto.
Architect—Reed & Corlett, Oakland
Bank Bldg., Oakland

Laundry, heating plant, kitchen and
store rooms will occupy ground floor
with administration offices, dining
rooms and consultation rooms and X-
ray department. Second and third
floors will be devoted to accommoda-
tion of patients in addition to two,
three and four-room wards and 15-
room nursery. Large sun porch will
also be located on second floor. Fourth
floor will be given over to surgery.
Bids will be called for shortly.

STOCKTON, San Joaquin Co., Cal.
—Henry W. Wolters, 1233 College
Av., Stockton, at \$332 awarded con-
tract by City Council to paint Em-
ergency Hospital Building. Other
bids: D. E. Burgess, \$401; E. J. Blan-
chard, \$420; Carl Hohhold, \$470, and
Ray O'Hair, \$480.

Prospective Bidders.

MOTHER HOUSE Cost, \$95,000
MISSION SAN JOSE, Alameda Co.,
Calif.

Three-story reinforced concrete Span-
ish type Mother House (stucco
exterior, tile roof; main facade 136
feet long).

Owner—Female Religious of the Order
of St. Dominic.

Architect—Arnold Constable, 580 Mar-
ket St., San Francisco.

Structural Engineer—W. Adrian, 417
Market St., San Francisco.

Mechanical Engineer—Lodington Co.,
222 Kearny St., San Francisco.

Following is a list of the prospec-
tive bidders:

Barrett & Hlip, San Francisco.
J. P. Brennan, Berkeley.
T. J. Broderick, Burlingame.
E. T. Malley, Oakland.
Megna & Newell, San Jose.
H. C. Miller, Santa Clara.
Mudder Bros., Los Angeles.
S. Rasori, San Francisco.
Schuler & MacDonald, Oakland.
Bids will be taken in one week.

Preparing Working Drawings.

HOSPITAL Cost, \$—
SAN BERNARDINO, Cal. Highlands
and Waterman Aves.

Five-story Class A reinforced con-
crete hospital (200x200 ft.)

Owner—Sisters of Charity.

Architect—L. E. Loveless, Robertson
Bldg., Beverly Hills.

There will also be a three-story re-
inforced concrete chapel and convent
(100x100 ft.) Plans will be completed
in about 30 days.

Contract Awarded.

HOSPITAL Cost, \$5000
MONTEREY, Monterey Co., Cal.
One-story brick hospital (15,000 sq. ft.;
California Spanish style).

Owner—W. T. Lee, Monterey.

Architect—Guy L. Brown, American
Bank Bldg., Oakland.

Contractor—George Miller Co., Mont-
erey.

Will be a suite of four operating
rooms, X-ray laboratory, general and
private dressing rooms and extensive
lobby.

Plans Being Figured—Bids Close May
12.

HOSPITAL Cost, \$400,000
LOS ANGELES, Cal. County Farm
near Honda.

Two-story concrete hospital (accom-
modate 200 patients) (181x191 ft.)

Owner—County of Los Angeles.
Architect—County Architect.

In addition to regular facilities, hos-
pital will contain two surgery rooms,
anesthesia room, X-ray department,
laboratories and physiotherapy de-
partment; will have silent call sys-
tem, radio wiring and special hard-
ware to eliminate door noises. Bids
will be taken on following contracts:
(1) general; (2) plumbing; (3) heat-
ing and ventilating; (4) electric light
fixtures; (5) electric wiring; (6) lin-
oleum; (7) metal equipment; (8) sur-
gical equipment; (9) kitchen equip-
ment.

Plans To Be Prepared.

HOSPITAL Cost, \$40,000
FRESNO, Fresno Co., Cal.
Fireproof maternity hospital.

Owner—Fresno-Santa Cruz Invest-
ment Co., 192 Walnut St., Santa
Cruz

Architect—To Be Selected Shortly.

SANTA BARBARA, Calif.—Carlson Furniture Company was awarded contract at \$555.55 by county supervisors (or furnishings for new nurses' home building at county hospital).

Plans To Be Prepared.
HOSPITAL. Cost, \$40,000
SANTA CRUZ, Santa Cruz Co., Cal.
Fireproof maternity hospital.
Owner—Fresno Santa Cruz Investment Co., 192 Walnut St., Santa Cruz
Architect—To Be Selected Shortly.

Sub-Bids Being Taken.
ADDITION. Cost, \$—
STOCKTON, San Joaquin Co., Cal.
Lincoln and Magnolia Sts.
Three-story and basement brick and concrete hospital addition.
Owner—Dameron Hospital, Lincoln & Magnolia Sts., Stockton.
Architect—H. G. Bissell, 421 E-Miner St., Stockton
Contractor—O. H. Chain, Bank of America Bldg., Stockton.
Architect is taking bids on mechanical work and equipment and the general contractor is taking sub-bids on all portions of the work.

LOS ANGELES, Cal.—Until May 5, 2 P. M., bids will be received by county supervisors to furnish 2,500 untreated O. P. piles, f.o.b. truck yard of bidder. Specifications obtainable from E. C. Eaton, 202 N Broadway, chief engineer, County Flood Control Department.

EUREKA, Humboldt Co., Cal.—Following contracts awarded by county supervisors in connection with new county hospital now in course of construction from plans by Architect Newton Ackerman, Eureka:

Venetian Blinds—H. S. Crocker Co., San Francisco, \$173.64.
Electric Fixtures—Dolson Electric Co., Eureka, \$2778.
Ray Equipment—Bush Electrical Co., San Francisco, \$1882.
Boiler House Equipment—Frank E. Cook & Sons, Eureka, \$9578 (John P. Ryan only other bidder at \$10,073).

Operating Room Equipment—F. A. Hamilton Co., San Francisco, only bidder at \$1830. This bid taken under advisement until April 28.

SAN FRANCISCO—Dr. J. M. Toner, chairman of Health Committee of the Board of Supervisors, recommends \$125,000 appropriation to finance renovation of San Francisco Hospital.

EUREKA, Humboldt Co., Calif.—American Laundry Machinery Co., 921 Howard St., San Francisco, at \$7,560 submitted low bid to county supervisors to furnish and install laundry equipment in county hospital now in course of construction. Troy Laundry Machinery Co. only other bidder at \$6,558. Taken under advisement. Newton Ackerman, Eureka, is architect for the structure.

Preparing Plans.
PREVENTORIUM. Cost, \$85,000
VENTURA, Ventura Co., Cal. Derby Ranch Section near Ojai.
Reinforced concrete tuberculosis preventorium (accommodation for 50 children) (1st unit).
Owner—Matilija Tuberculosis Preventorium.
Architect—Harold Burkett, 455 E. Main St., Ventura.

LAKEPORT, Lake Co., Cal.—San Francisco interests have offered to the county supervisors 2200 acres in Donavany Valley in the Highland Springs district as a site for the pro-

posed joint tuberculosis sanitarium which the Lake County Supervisors propose to erect with Sonoma County. The site is said to be valued at \$45,000 but would be donated to the counties for such a project.

Bids Opened—Under Advisement.
HOSPITAL. Cost, \$200,000
TUCSON, Arizona.
One-story reinforced concrete and brick hospital.
Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.
Architect—A. I. Coffey and Martin J. Rist, Phelan Bldg., San Francisco.

FRESNO, Fresno Co., Cal.—Will Collins, chairman of the Board of Supervisors, announces new wing is necessary at the county general hospital to care for crippled children. The cost is estimated at \$250,000. The supervisors propose to levy a direct tax to finance the project if bonds are not voted for the improvement.

HOTELS

Plans Being Completed.
HOTEL. Cost, \$500,000
EUREKA, Humboldt Co., Cal. NW Fourth and F Streets.
Eight or nine-story 200-room modern hotel building.
Owner—Pickwick Co. (Ed. Thompson, 5th and Mission Sts., San Francisco, in charge).
Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.
Bids will be taken in one week.
As previously reported, soundings are being made by Mercer-Fraser Co., Eureka.

Plans Being Completed.
HOTEL. Cost, \$750,000
SAN FRANCISCO. Location withheld.
Fifteen-story Class A hotel.
Owner and Builder—Haley Bros., Russ Bldg., San Francisco.
Plans by Owner.
Sub-bids will be taken in about two weeks.

Contract Awarded.
HOTEL. Cost, \$150,000
LAGUNA BEACH, Orange Co., Cal.
Three-story and basement frame and stucco hotel (126x152 feet).
Owner—Laguna Beach Hotel Co. (H. L. Cochran).
Architect—Gilbert Stanley Underwood California Reserve Bldg., L. A.
Contractor—H. W. Baum Co., Central Bldg., Los Angeles.

Plans Being Completed.
ADDITION. Cost, \$125,000
LOS BANOS, Merced Co., Cal.
Four-story fireproof addition to Los Banos Hotel (40 rooms, banquet hall, lobby).
Owner—Jack Triglia and Frank Pedrone, Los Banos
Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.

April 18, 1930
Segregated Figured Being Taken.
HOTEL. Cost, \$400,000
LOS ANGELES, Cal. NW Second St. and Gramercy Place.
Twelve-story and basement Class A reinforced concrete hotel (180 rooms).
Owner Association of California Women's Clubs.
Architect—Donovan Hultin, 223 Gramercy Place, Los Angeles.
Bids are being received by California Investment Co., 223 S Gramercy Place, Los Angeles.

Plans Being Completed.
HOTEL. Cost, \$100,000
BLUE LAKE, Lake Co., Cal. 250-acre tract.
Three-story frame and stucco hotel (224x126 feet).
Owner—Blue Lake Hotel and Resort Corp., Harry W. Kemp, president
Architect—Charles Strothoff, 2274 15th St., San Francisco.
Bids will be taken in one week.
Will contain 45 rooms, all of which will have private baths. Steam heating; glass enclosed porches. Basement will provide dressing rooms for bathers, a barber shop and five store rooms.

Plans Being Completed.
HOTEL. Cost, \$150,000
SAN FRANCISCO. Hyde St. between Turk and Eddy Sts.
Six-story reinforced concrete hotel
Owner and Builder—Bell Bros., Mills Bldg., San Francisco.
Architect—E. H. Denke, 1317 Hyde St. San Francisco.
Sub-bids will be taken in about two weeks.

POWER PLANTS

Title Contract Awarded.
STATION. Cost, \$50,000
POINT REYES, Marin Co., Cal.
One-story reinforced concrete radio receiving station.
Owner—Radio Corp. of America.
Engineer—C. H. Snyder, 231 Kearny St., San Francisco.
Contractor—Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Title—Malott & Peterson, 3221 20th St., San Francisco.
As previously reported, plastering awarded to Peter Bradley, 639 Brannan St., S. F.; mill work to Pacific Mfg. Co., Monadnock Bldg., S. F.; miscellaneous iron to Fair Mfg. Co., 617 Bryant St., S. F.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Sketches Being Prepared.
CIVIC CENTER. Cost, \$—
RICHMOND, Contra Costa Co., Calif. Nicholl Park Area.
Civic Center project, comprising new city hall, housing jail and fire house quarters; park development, etc.
Owner—City of Richmond, A. C. Faris city clerk.
Architect—Dr. Carol Aronovici (city planner), 1616 LaVarela St., Berkeley.

Bond Issue Defeated—Project Temporarily Abandoned.
REPAIRS. Cost, \$—
RED BLUFF, Tehama Co., Cal.
General repairs and remodeling for City Hall.
Owner—City of Red Bluff.
Architect—Liston Ehorn, Red Bluff.

RENO, Nevada.—Until April 28, 7:30 P. M., bids will be received by J. B. Reese, city clerk, to furnish and install automatic oil burner in city hall. Certified check 10% required with bid. Plans on file in office of clerk.

To Vote Bonds to Finance—Preliminary Plans Prepared.
COURT HOUSE. Cost, \$500,000
MODESTO, Stanislaus Co., Cal.
Class A courthouse.
Owner—County of Stanislaus.
Architect—Davis-Pearce Co., E and Weber Sts., Stockton.
County supervisors will call an election in November to finance construction.

Preliminary Plans Being Prepared.
AUDITORIUM Cost, \$55,000
 AUBURN, Placer Co., Cal.
 Memorial Auditorium and Firemen's Headquarters.

Owner—City of Auburn.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.

The city council will call an election shortly to vote bonds of \$40,000 to finance this work. The Placer County supervisors will contribute \$15,000 additional towards the project.

FRESNO, Fresno Co., Calif.—Straw ballot will be taken in Fresno county to secure sentiment of voters with regards to finance erection of a four-story wing addition to the present court house, the estimated cost of which is placed at \$632,000, including equipment. Preliminary plans have been prepared by Architect W. D. Coates, Rowell Bldg., Fresno.

Contract Awarded.
LIBRARY Cost, \$10,000
 SAN JOSE, Santa Clara Co., Calif.
 Almshouse Road (at County Almshouse).

One-story concrete library.
 Owner—County of Santa Clara, Henry A. Pfister, county clerk.

Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.
 Contractor—Wm. Myers, 323 Grant St. San Jose.

Following is a complete list of bids: William Myers, San Jose, \$10,280.
 B. J. Smith, San Jose, \$10,300.
 Collins & Martin, San Jose, \$10,490.
 R. O. Summers, San Jose, \$10,895.
 Megna & Newell, San Jose, \$11,250.
 G. M. Latta, San Jose, \$11,350.
 J. D. Carlsen, San Jose, \$11,741.
 Carl N. Swensen, San Jose, \$12,000.
 Fred J. Westlund, Oakland, \$12,690.

Sub-Contracts Awarded.
 ALTERATIONS—Cost, Price, \$29,680
 ARCATA, Humboldt Co., Cal.
 Alterations and additions for city hall.
 Owner—City of Arcata.

Architect—Norman R. Coulter, 46 Kearny St., San Francisco
 Contractor—Chas. Bloomquist, Arcata
 Heating & Plumbing—Wesley Downing, Arcata.

Electric Work—Arcata Electric Co., Arcata.

Bids are being taken on painting, plastering and sheet metal.

RESIDENCES

Low Bidder.
RESIDENCE Cost approx. \$6000
 MONTEREY, Monterey Co., Cal.
 One-story and basement frame and stucco residence.

Owner—Mr. Marks.
 Architect—Swartz & Ryland, Spaulding Bldg., Monterey, 373 Main St., Sausalito, and Brix Bldg., Fresno.

Low Bidder—Wallace Richmond, Sausalito.

Plans Being Prepared.
RESIDENCE Cost, \$—
 NORTH BERKELEY, Alameda Co.
 Two-story frame and stucco residence.
 Owner—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
 Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Construction Indefinitely Postponed.
RESIDENCE Cost, \$22,000
 OAKLAND, Alameda Co., Cal. Claremont Pines.

Two-story frame and stucco residence.
 Owner—P. Caldr, 1340 Broadway, Alameda.

Architect—W. E. Schirmer, 700 21st St., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$12,000
 SAN FRANCISCO, NW Twenty-seventh Ave. and Cabrillo St.
 Two-story and basement frame and stucco residence.
 Owner and Builder—H. P. Hoyt, 45 Second St., San Francisco.
 Architect—G. M. Cantrell, 45 Second St., San Francisco.
 Plumbing—J. Camp & Co., 1093 Natoma St., San Francisco.
 Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
 Electric Work—Victor Lemoge, 281 Natoma St., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$20,000
 HILLSBOROUGH, San Mateo Co., Cal.
 Two-story and basement frame and stucco residence.
 Owner—Michel Casserly.
 Architect—Willis Polk Co., 277 Pine St., San Francisco.
 Contractor—Bessett Bldg., Co., 826 Walnut St., Burlingame.

Sub-Bids Being Taken.
RESIDENCE Cost, \$6500
 SAN FRANCISCO, Morse Street.
 One-story and basement frame and stucco residence (5 rooms).
 Owner and Builder—J. Dall, 5 Santa Rosa Ave., San Francisco.
 Plans by D. E. Jaekle, Call Bldg., San Francisco.

Sub-Bids Being Taken.
RESIDENCE Cost, \$12,000
 STOCKTON, San Joaquin Co., Cal.
 Oxford Manor.
 Two-story frame and stucco residence (8 rooms, 2 baths; English type.)
 Owner—State Realty Co., Bank of Italy Bldg., Stockton.
 Architect—Jos. Losekann, 1218 W. Harding St., Stockton.
 Contractor—William Peenstra, 2261 Kensington Way, Stockton.

Will have Royal shingle roof, hot air heating system, etc. Construction will start in about two weeks.

Plans Being Revised.
RESIDENCE Cost, \$15,000
 BERKELEY, Alameda Co., Cal. Regal Road.
 Two-story frame and stucco residence.
 Owner—Fred McCoy.
 Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

To Be Done By Day's Work.
RESIDENCE Cost, \$12,000
 BERKELEY, Alameda Co., Cal. 2420-2422 Hilgard Ave.
 Two-story and basement frame and stucco residence.
 Owner and Builder—Milton S. Bonds, 1653 Scenic Ave., Berkeley.
 Plans by Owner.

Contract Awarded.
RESIDENCE Cost, \$12,000
 WOODLAND, Yolo Co., Cal. Du Four Station bet. Yolo and Zamora.
 Two-story residence.
 Owner—Louisa Richter.
 Designer and Builder—J. G. Matroni, Woodland.

Sub-Figures Being Taken.
RESIDENCE Cost, \$30,000
 HILLSBOROUGH, San Mateo Co., Cal.
 Two-story frame and stucco residence.
 Owner—Mrs. D. Stephens.
 Architect—Ed Musson Sharpe, 525 Market St., San Francisco.
 Contractor—J. H. Oswald, 1700 Sherman St., Burlingame.

Contract Awarded.
RESIDENCE Cost, \$8000
 REDWOOD CITY, San Mateo Co., Cal.
 Emerald Lake, The Fairways.
 One-story and basement frame and stucco residence (6 rooms).

Owner—D. Cerrelli, San Francisco.
 Architect—G. A. Berger, 303 Valencia St., San Francisco.
 Contractor—E. J. Phelan, 700 Ashbury St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, \$70,000
 HILLSBOROUGH, San Mateo Co., Cal.
 Two-story and basement frame and stucco residence (50x130-ft.; early California type; 14 rooms).
 Owner—Walter D. Malin.
 Architect—R. D. Johnson, Architects' Bldg., Los Angeles.
 Contractor—Dowsett-Ruhl, Russ Bldg., San Francisco.
 Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
 Plumbing and Heating—H. R. Parks, Burlingame.
 Sheet Metal—J. L. Montgomery, San Mateo.

Electric—Mausser Electric Co.
 Will be frame and stucco construction with shaken roof, tiled baths and drainboards, automatic storage water heater, gas furnace heating, hardwood and tile floors, pine and hardwood trim mantels, electric refrigeration, garage, landscaping, terracing, etc.

Plans Being Completed.
RESIDENCE Cost, \$20,000
 SAN FRANCISCO, Forest Hill.
 Two-story and basement ten-room frame and stucco residence.
 Owner—Chas. Bullott.
 Architect—Harold Stoner, 1481 Burlingame Ave., Burlingame.
 Bids will be taken about April 23.

Completing Plans.
RESIDENCE * Cost, \$3500
 SAN MATEO, San Mateo Co., Cal.
 Second and Humboldt Sts.
 Two-story frame and stucco residence (7 rooms).
 Owner—Henry Starr.
 Plans by Grimes and Schoening, Balovich Bldg., San Mateo.
 Bids will be taken April 22nd.

Sub-Contracts Awarded.
RESIDENCE Cost, \$30,000
 HILLSBOROUGH, San Mateo Co., Cal.
 Parkside Avenue.
 Two-story and basement frame and stucco residence.
 Owner—Countess von Wurmbbrand.
 Architect—Ed. M. Sharpe, 525 Market St., San Francisco.
 Contractor—Oswald & Rucker, Mills Bldg., San Francisco.
 Mill Work—Lannon Bros., Fifth and Magnolia Sts., Oakland.
 Lumber—Wisnom Lumber Co., San Mateo.
 Plumbing—A. W. Forsythe, San Mateo.

Contracts Awarded.
RESIDENCE Cost, \$50,000
 PIEDMONT, Alameda Co., Cal. Glen Alpine Road.
 Two-story frame, stucco and brick veneer residence (16 rooms).
 Owner—J. C. Witter, 116 Parkside Dr., Oakland.
 Architect—Williams & Wastell, 374 17th St., Oakland.
 Contractor—F. A. Kurtz, 364 41st St., Oakland.
 Excavating—Ariss-Knapp Co., 961 41st St., Oakland.

Contract Awarded.
RESIDENCE Cost, \$30,000
 PASADENA, Los Angeles Co., Cal.
 San Rafael Avenue.
 Reinforced concrete residence (20 rooms, 7 baths).
 Owner—Arthur C. Thorsen.
 Architect—Garrett Van Pelt Jr., 51 S. Euclid Ave., Pasadena.
 Contractor—Peter Hall, 388 S. Raymond Ave., Pasadena.
 Plumbing, electrical, painting, tile, marble and heating contracts will be awarded separately.

Sub-Contracts Awarded.
RESIDENCE Cost Approx., \$15,000
SANTA CRUZ, Santa Cruz Co., Cal.
Pasa Tiempo Golf Course and Estate Property (2 acre site).

One-story and basement frame and stucco residence (8 rooms).

Owner—Robert Howes, % "Pasa Tiempo," Santa Cruz

Architect—Wm. W. Wurster, 260 California St., San Francisco.

Contractor—Arthur Payne, % Hayward Lumber Co., 4917 Pacific St., Santa Cruz.

Lumber—Hayward Lumber Co., Santa Cruz.

Concrete and Cement—Central Supply Co., Santa Cruz.

Plumbing—Izant & Wilson, Santa Cruz.

Electric Work—Erskine Electric Co., Menlo Park.

Other awards will be made shortly.

Sub-Bids Being Taken.

RESIDENCE Cost, \$13,000
SAN MATEO, San Mateo Co., Cal.

Hillsborough Park.

Two-story frame and stucco residence (9 rooms).

Owner and Builder—M. Schulte, 459 Cornell Ave., San Mateo.

Architect—Grimes & Schoening, Balovich Bldg., San Mateo.

Owner Taking Bids.

RESIDENCE Cost, \$15,000
SAN CARLOS, San Mateo Co., Cal.

Two-story frame and stucco residence (9 rooms, 3 baths).

Owner—W. C. Lyons, San Carlos.

Architect—Grimes & Schoening, Balovich Bldg., San Mateo.

Bids are being taken for a general contract.

Plans Being Figured.

RESIDENCE Cost, \$—
PIEDMONT, Alameda Co., Cal.

Estates Drive.

Two-story frame and stucco residence (French style).

Owner—A. C. Jones, % Architect.

Architect—Williams & Wastell, 374 17th St., Oakland.

Owner Taking Bids.

RESIDENCE Cost, \$20,000
SAN FRANCISCO, Forest Hill.

Two-story and basement frame and stucco residence (10 rooms).

Owner—Chas. Bullotti.

Architect—Harold G. Stoner, 220 3rd Ave., San Mateo.

Plans Being Prepared.

RESIDENCE Cost, \$20,000
SAN MATEO, San Mateo Co., Cal.

Brewer Tract.

Two-story and basement frame and stucco residence.

Owner and Builder—E. S. Shaver, 1401 Carmelita St., Burlingame.

Architect—Harold G. Stoner, 220 3rd Ave., San Mateo.

Plans Being Figured.

RESIDENCE Cost, \$25,000
MONTEREY, Monterey Co., Cal.

17 Mile Drive.

Two-story frame and stucco residence (9 rooms).

Owner—E. B. Ward, 1031 Irving St., San Francisco.

Architect—Harold G. Stoner, 220 3rd Ave., San Mateo.

Contract Awarded.

RESIDENCE Cost, \$25,000
MONTEREY, Monterey Co., Cal.

17 Mile Drive.

Two-story frame and stucco residence (9 rooms).

Owner—Alfred Price.

Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Contractor—Ernest W. Urch, 1924 50th Ave., Oakland.

Sub-Contracts Awarded.

RESIDENCE Cost, \$25,000
SAN FRANCISCO, Marina Blvd.

Two-story frame and stucco residence (9 rooms).

Owner—Mrs. R. L. Gump, 1450 Greenwich Street.

Plans by Ben Davis, % S. & G. Gump Co., 248 Post St.

Contractor—John Widney, 450 Fell St.

Concrete—Richmond Conc. Co., 2940 Geary St.

Lumber—Loop Lumber Co., Central Basin.

Sub-bids are being taken on other portions of the work.

Plans Complete.

RESIDENCE Cost, \$20,000
MORAGA, Contra Costa Co., Cal.

Two-story frame and stucco residence

Owner—Name Withheld.

Architect—Guy L. Brown, American Bank Bldg., Oakland.

Preparing Sketches—Contract Awarded.

RESIDENCE Cost, \$22,000
BERKELEY, Alameda Co., Cal.

Two-story frame and stucco residence (15 rooms).

Owner—Dr. W. E. Mitchell, 2068 Allison Way, Berkeley.

Architect—Masten & Hurd, Shreve Bldg., San Francisco.

Contractor—J. P. Brennan, 2820 Regent St., Berkeley.

Will have oil burner furnace, hot air heating system, etc.

Completing Plans.

RESIDENCE Cost, \$30,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story frame and stucco residence (15 rooms).

Owner—R. B. Carter, Hillsborough.

Architect—J. K. Ballantine, Jr., 137 Harlan Place, Hillsborough.

Plans will be ready for bids in one week.

Construction Indefinitely Postponed.

RESIDENCE Cost, \$20,000
SAN FRANCISCO, Forest Hill.

Two-story and basement frame and stucco residence (10 rooms).

Owner—W. E. Schoppe, 3310 Geary St.

Architect—Harold Stoner, 1431 Burlingame Ave., Burlingame.

Contract Awarded.

RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal.

North Creamont.

Two-story frame and stucco residence

Owner—Mrs. Schneider.

Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contractor—Gus Pearson, 1906 Berryman St., Berkeley.

Plans Being Figured.

RESIDENCE Cost, \$95,000
SAN MATEO, San Mateo Co., Cal.

Second and Humboldt Sts

Two-story frame and stucco residence (7 rooms.)

Owner—Henry Starr.

Plans by Grimes & Schoening, Balovich Bldg., San Mateo.

Plans Being Completed.

ALTERATIONS Cost, \$14,000
MOUNT EDEN, Alameda Co., Cal.

Alter one-story frame and stucco residence (Spanish style).

Owner—R. W. Dennis, Mount Eden.

Architect—Wolfe & Higgins, 19 N. Second St., San Jose.

Bids will be taken April 26.

Plans Being Revised.

RESIDENCE Cost, \$7000
SAN MATEO, San Mateo Co., Cal.

Peninsula Manor.

One-story frame and stucco residence

Owner—Peninsula Manor, Bayshore Blvd. and Peninsula Avenue, San Mateo.

Plans by Enri E. Cavasso, 235 Third Ave., San Mateo.

New bids will be called shortly.

Plans Being Figured.

RESIDENCE Cost, \$16,000
SAN FRANCISCO, S Marina Blvd. E

Loderick St.

Two-story and basement frame and stucco residence (8 rooms).

Owner—C. Marzo, 604 Montgomery St., San Francisco.

Architect—Fabre & Hildebrand, 110 Sutter St., San Francisco.

SCHOOLS

Contract Awarded.

SCHOOLS Cost, \$215,789
LONG BEACH, Los Angeles Co., Cal.

Charles Lindberg Junior High School Site.

Group of Junior High Schools.

Owner—Long Beach Board of Education.

Architect—Parker O. Wright, Jergins Trust Bldg., Long Beach.

Contractor—Benjamin F. Farley, 143 E. San Fernando Rd., Burbank.

Painting—Wm. Gelfan, Long Beach, \$7940.

Heating—Hickman Bros., Long Beach, \$22,809.

Electric—Kuster Wetzel Elec. Co., Long Beach, \$26,670.

Plans Being Completed.

SCHOOL Bonds of \$45,000 Voted
SAN JOSE, Santa Clara Co., Cal.

Monterey Road.

One-story school; tile roof (auditorium to seat 400).

Owner—Franklin School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Plans will be ready for bids in three weeks.

Preparing Working Drawings.

SCHOOL Cost, \$45,000
GRIMES, Colusa Co., Cal.

Four-classroom, auditorium & kitchen grammar school.

Owner—Grand Island Union Grammar School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco

Bids will be taken in one week.

Sub-Contracts Awarded.

ALTERATIONS Cont. price, \$33,541
QUINCY, Plumas Co., Cal.

Alterations and additions to one-story frame and stucco school.

Owner—Portola High School District.

Architect—Starks & Flanders, Forum Bldg., Sacramento.

Contractor—Charles F. Unger, 4532 T St., Sacramento.

Heating and Plumbing—Ed. Alderman, Portola, Calif.

Electrical Work—J. B. Tufts, Chico.

Roofing bids are being taken.

Work involves extensive remodeling of present school and construction of addition. New facilities will be provided for cooking and commercial departments, physics and chemistry, lunch room and study hall also will be built and new balcony will be added to gymnasium. Boiler plant will be changed and new central heating plant installed to care for enlarged building.

Plans Being Figured—Bids Close May 6, 8 P. M.
SCHOOL Cost, \$18,000
MENDOCINO, Mendocino Co., Cal.
 One-story redwood rustic school (5 classrooms, administration offices, etc.)
 Owner—Mendocino School District.
 Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.
 Bids will be received at the office of the Justice of the Peace at Mendocino.

Prospective Bidders.
PITTSBURG BLDGS. Cost, \$150,000
PITTSBURG, Contra Costa Co., Cal.
 Group of four brick and terra cotta Junior High School Buildings (attached), Academic Building, Gymnasium, Shops and Auditorium.
 Owner—Pittsburg School District.
 Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.
 Bert Owsley, Pittsburg.
 John E. Branagh, Oakland.
 J. W. Cobby & Son, San Francisco.
 The Minton Co., Palo Alto.
 Spivock & Spivock, San Francisco.
 E. T. Lesure, Oakland.
 James L. McLaughlin Co., S. F.
 K. E. Parker, San Francisco.
 W. Kauffenberg, Pittsburg.
 C. J. Hopkinson, Sacramento.
 H. H. Henning, Stockton.
 John Cavanaugh, Stockton.
 J. F. Shepherd, Stockton.
 Bids are to be opened May 9, 2 P. M.

Preparing Working Drawings.
SCHOOL Cost, \$80,000
 (Bonds voted to finance)
SANTA CRUZ, Santa Cruz Co., Calif.
 (Gault School).
 One-story concrete school.
 Owner—Santa Cruz School District.
 Architect—A. L. Coffey, Phelan Bldg., San Francisco.
 Plans will be ready for bids in about two weeks.

Plans Being Completed.
GYMNASIUM Cost, \$180,000
SAN JOSE, Santa Clara Co., Cal.
 State Teachers' College Grounds Fourth and Santa Carlos Sts.
 Reinforced concrete gymnasium.
 Owner—State of California.
 Architect—Geo. E. McDougall, State Architect, Public Works Building, Sacramento.
 Bids will be taken in about two weeks.
PITTSBURG, Contra Costa Co., Cal.
 —Columbia Steel Corp. will erect a gymnasium building for employees at the local plant. Provision will be made for indoor baseball, basket-ball and other indoor athletics.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$—
CERES, Stanislaus Co., Cal. Laurence Street.
 Grammar school.
 Owner—Ceres Grammar School Dist.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.
 School trustees have taken an option on property in Laurence street with a view to holding same until a bond election is called to vote funds to finance erection of the new school. The type of building and amount of bonds to be voted have not been determined.

Plans Being Figured—Bids Close May 3rd, 12 Noon.
ELEC. WORK Cost, \$—
TAFT, Kern Co., Cal.
 Certain electrical work for school shop
 Owner—Taft Union High School Dist.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.
 The work has to do with extensions of conduits and circuits in the new Shop Building, connecting up the motors in connection with the machines

in the various departments; also furnishing new panel boards, etc. Certified check 5% payable to H. E. Osborn, clerk of district, required with bid. Plans obtainable from architect and on file in office of clerk.

SACRAMENTO, Cal.—Until May 5, 5 P. M., bids will be received by Chas. C. Hughes, secretary, Board of Education, School Administration Bldg., to furnish and deliver stationary and supplies. Spec. and further information obtainable from Business Manager, Board of Education, School Administration Bldg., 21st and L Sts.

Bids Opened—Held Under Advertisment
SCHOOL Cost, \$75,000
SACRAMENTO, Sacramento Co., Cal.
 Two-story brick school and convent.
 Owner—Roman Catholic Bishop (St. Stephen's Parish).

Architect—Harry De Vine, California State Life Bldg., Sacramento.
 Bids are being held under advisement until April 26th.

CHICO, Butte Co., Calif.—Contract awarded by State Department of Public Works, Division of Architecture, in connection with the Assembly Hall at Chico, to F. W. Snook Co., of San Francisco, at \$18,523 has been rescinded and the contract re-awarded to Stultz and Slakey, Chico, at \$21,236. The structure will be two stories, brick and concrete construction; total estimated cost, \$170,000. The general contract was awarded to Campbell Const. Co., 800 R St., Sacramento, at \$133,610 and the electric work to Alta Electric Co., 938 Howard St., San Francisco, at \$13,994.

Low Bidders.
GYMNASIUM Cost, \$110,480
LONG BEACH, Los Angeles Co., Cal.
 Woodrow Wilson High School.
 Two-story brick gymnasium and two-story brick classroom building
 Owner—Long Beach Board of Education.
 Architect—W. Horace Austin, Pacific Southwest Bldg., Los Angeles.
 Low Bidder—Easton & Nesser, 4822 W. Jefferson St., Los Angeles.
Plumbing—Conny & Winterbottom, Los Angeles, \$8642.
Heating—F. B. Jones, Pasadena, \$13,909.
Electrical—Baty Elec. Co., Long Beach, \$12,000.
Painting—W. B. Walters, Long Beach \$4241.
Hardware—Bennett-Montgomery Co., Los Angeles, \$3170.

Contract Awarded—Sub-Bids Being Taken.
SCHOOL Cost, \$37,000
SAN CARLOS, San Mateo Co., Cal.
 Ore-story 6-classroom concrete grammar school.
 Owner—San Carlos Grammar School District.
 Architect—E. L. Norberg, 580 Market St., San Francisco.
General Work
 Young & Hornstmeier, 461 Market St., San Francisco..... \$37,000
Heating
 Brand & Sterling, Redwood City \$5767

Sub-Contracts Awarded.
SCHOOL Cost, \$35,000
WILLOW GLEN, Santa Clara Co., Calif.
 One-story reinforced concrete school (6 classrooms, administration room and kindergarten).
 Owner—Willow Glen School District.
 Architect—Wolfe & Higgins, Realty Bldg., San Jose.
Excavating—Henry Sands, 1450 E. San Antonio St., San Jose.
Brick Work—Joe Wildey, McCreery Ave., San Jose.
Concrete—J. C. Bateman, 585 Hedding St., San Jose.
Plastering—Joe Piazza, 246 Grand Ave., San Jose.
Lumber and Mill Work—Chase Lumber Co., 547 W. Santa Clara St., San Jose.
Reinforcing Steel—Concrete Engineering Co., 1250 Indiana St., San Francisco.
 Bids are wanted on tile roofing, blackboards, cork carpet and Ventilolover ventilators.

As previously reported, heating, plumbing and sheet metal (combined) awarded to J. W. Turner, 533 N. 19th St., San Jose, at \$5875.

SACRAMENTO, Cal.—Jenison Machinery Co., 58 Fremont St. San Francisco, awarded contract by Board of Education to furnish and install portable saw at \$276; portable hand joiner at \$285 and three portable band saws at \$324 each. Equipment to be used in connection with school shop departments.

ALAMEDA, Alameda Co., Cal.—Until May 6, 8 P. M., bids will be received by Wm. G. Paden, secretary, Alameda High School District, to furnish and deliver furniture, equipment and supplies. Specifications and fur-

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Bids To Be Taken April 25—To Be Opened May 14.
SCHOOL. Cost, \$105,000
 WILLIAMS, Colusa Co., Cal.
 Reinforced concrete and hollow tile grammar school.
 Owner—Williams School District.
 Architect—Starks & Flanders, Forum Bldg., Sacramento.

Plans Being Figured—Bids Close May 20th, 2 P. M.
WARD BLDG. Cost, \$—
 WHITTIER, Los Angeles Co., Cal.
 State School Grounds.
 Two-story brick ward building, approx. 8800 sq. ft. floor area and one-story brick shop, approx. 11,200 sq. ft. floor area.
 Owner—State of California.
 Architect—State Department of Public Work, Division of Architecture, Public Works Bldg., Sacramento.
 Ward building will have frame interior construction and tile roof shop will have concrete floor, wood roof construction and tile roof. Bids are wanted for a general contract with separate bids for mechanical work.
 See call for bids under official proposal section in this issue.

BANKS, STORES & OFFICES

Contract Awarded.
REMODELING. Cost approx. \$10,000
 SAN FRANCISCO. 2001 Market St.
 Remodel present building.
 Owner—Kresteller Motor Co., premises.
 Architect—None.
 Contractor—A. M. Hardy, 212 Ritch Street.

Contract Awarded.
CLEANING PLANT. Cont. price, \$6792
 SOUTH SAN FRANCISCO, San Mateo Co., Cal.
 One-story reinforced concrete cleaning plant and store.
 Owner—David Ratto, 319 Grand Ave., South San Francisco.
 Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.
 Contractor—A. Pianca, 109 Pine Terrace, South San Francisco.
 Other bidders were:
 R. C. Siddle, South San Francisco.
 J. H. McFarland, South S. F.
 A. Zangrando, South S. F.

Sub-Contracts Awarded.
STORE & LOFTS. Cost, \$75,000
 SACRAMENTO, Sacramento Co., Cal.
 SW Seventh and K Streets.
 Two-story and basement brick store and loft building (60x160 ft.)
 Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.
 Architect—O'Brien Bros and W. D. Peugh, 315 Montgomery St., San Francisco.
 Contractor—Industrial Constr. Co., 815 Bryant St., San Francisco.
 Lessee—J. C. Penny Co. (1st floor).
 Lessee—Foreman & Clark (2nd floor).
 Masonry—W. J. Clifford, 2815 J St., Sacramento.
 Tile—Fischer Tile Co., 1219 J Street, Sacramento.
 Structural Steel and Miscellaneous Iron—Palm Iron Works, 15th and S Sts., Sacramento.

Plans Being Figured—Bids Close May 5th.
STORES. Cost, \$25,000
 SACRAMENTO, Sacramento Co., Cal.
 One-story brick stores.
 Owner—C. F. Aaron.
 Architect—Dean & Dean, California State Life Bldg., Sacramento.
 Lessee—Hart, Shaffner & Marx.

Plans Being Revised
STORE. Cost, \$150,000
 OAKLAND, Alameda Co., Cal. 20th St. and Broadway.
 Three-story Class A store.
 Owner—I. Magnin & Co., Grant Ave. and Geary St., San Francisco.
 Architect—Weeks & Day, Financial Center Bldg., San Francisco.
 Whether new bids will be called for or not is indefinite at this time.

Working Drawings Being Prepared.
Plans Being Prepared
OFFICE BLDG. Cost, \$—
 LOS ANGELES, Cal. Sixth and Hill Streets.
 Three-story Class A mercantile and office building (125x365 ft.)
 Owner—Wm. Fox.
 Architect—S. Tilden Norton and F. H. Wallis, Financial Center Bldg., Los Angeles.
 The Hill Street section will be a height-limit office structure.

Plans Being Figured.
STORES. Cost, \$25,000
 SACRAMENTO, Sacramento Co., Cal.
 One-story brick stores.
 Owner—C. F. Aaron.
 Architect—Dean & Dean, California State Life Bldg., Sacramento.
 Lessee—Hart, Shaffner & Marx.

Completing Plans.
ADDITION. Cost, \$200,000
 SANTA ANA, Orange Co., Cal. Fifth and Main Streets.
 Two-story Class A reinforced concrete addition to present building and general alterations.
 Owner—Orange County Title Co.
 Architect—Allen Ruoff, 2024 W. 6th St., Los Angeles.

Plans Being Prepared.
OFFICE BLDG. \$1,250,000 (1st unit)
 LOS ANGELES, Cal. NW First and Spring Streets.
 Limit height Class A state office building.
 Owner—State of California.
 Architect—John C. Austin and F. M. Ashley, Chamber of Commerce Bldg., Los Angeles.
 Plans call for concrete slab roof, modern architecture, tile and terrazzo floors, hollow tile partitions, terrazzo heating plant, electric elevators, etc. The sum of \$1,250,000 is available for the erection of the first unit. The site will be purchased by the County of Los Angeles and will be donated to the State.

Plastering Contract Awarded.
BUILDING. Cost, \$65,000
 SAN FRANCISCO. SW Bush St. and Franklin St.
 One-story and mezzanine floor class A reinforced concrete and steel frame building (120x144-9-ft.)

Owner—Mrs. Ray Schwartz.
 Engineer—L. H. Nishkian, 525 Market Street.
 Manager of Const.—Mel. I. Schwartz, 308 Kearny St.
Plastering—Harry Liston, 147 29th St.
 Glass and Glazing bids wanted. Other awards previously reported.

Contract Awarded.
REMODELING. Cost, \$—
 SAN FRANCISCO. 31 Powell St.
 Remodel building for cafe.
 Owner—Pig'n Whistle Corp.
 Architect—Charles F. Plummer, Story Bldg., Los Angeles.
 Contractor—Jacks & Irvine, 74 New Montgomery St.

Will occupy the ground floor and basement of the building and the work will involve remodeling the front and interior and installation of marble, tile and terrazzo work, decorating, electric wiring and fixtures, ventilating system and kitchen equipment.

Contract Awarded.
BANK. Cost, \$50,000
 SAN FRANCISCO. Market Street nr. Third St.
 One-story and mezzanine floor steel frame and concrete bank.
 Owner—Alexander Boyd Est., Spreckles Bldg.
 Architect—Hyman & Appleton, 68 Post Street.
 Lessee—Morris Plan Co. of San Francisco, 554 Market St.
 Contractor—Barrett & Hilp, 918 Harrison Street.

Preparing Working Drawings.
OFFICE. Cost, \$45,000
 SAN MATEO. San Mateo Co., Cal.
 San Mateo Drive off Third Ave.
 Two and one-half-story Class C concrete and wood office and studio building (bungalow on roof, etc.)
 Owner and Builder—Sierra Constr. Co. 235 3rd Ave., San Mateo.
 Architect—Enri Cavasso, 235 3rd Ave., San Mateo.
 Construction will be started shortly. Leases are practically all signed.

Contract Awarded.
TELEPHONE BLDG. Cost, \$70,000
 WHITEWATER, Riverside Co., Cal.
 One-story and basement steel frame telephone building (70x110 ft.)
 Owner—Pacific Telephone & Telegraph Company.

Architect—Eng. Dept. of Owner.
 Contractor—Strom & Mahoney, First National Bank Bldg., Pomona.
Structural Steel—McClintic Marshall Co., Los Angeles.

CARPINTERIA, Santa Barbara Co., Cal.—Santa Barbara Telephone Co. started work on one-story frame and stucco telephone exchange building.

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Contract Awarded.
ALTERATIONS Cost, \$—
PRESNO, Fresno Co., Cal. No. 1324
 Fulton Street.
 Reconstructing building (work involves installing soda fountain, restaurant and bakery).
 Owner—Dr. D. H. Towerbridge.
 Architect and Contractor—Shaw & Franklin, Patterson Bldg., Fresno

Sub-Contracts Awarded.
STORE & LOFTS Cost, \$60,000
SACRAMENTO, Sacramento Co., Cal.
 K St. W. Seventh St.
 Two-story and basement brick store and loft building.
 Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.
 Architect—O'Brien Bros. and W. D. Pough, 315 Montgomery St., San Francisco.
 Contractor—Industrial Constr. Co., 815 Bryant St., San Francisco.
 Lessee—Clark Dollar Store.
Masonry—W. J. Clifford, 2816 S St., Sacramento
Tile—Fischer Tile Co., 1219 J St., Sacramento.
Structural Steel and Miscellaneous Iron—Palm Iron Works, 15th and S Sts., Sacramento.

Working Drawings Being Prepared.
STORES Cost, \$—
MONTEREY, Monterey Co., Cal. Main St. (106x60-ft.).
 One-story reinforced concrete (six) stores.
 Owner—Spazier Development Company, Spaizer Bldg., Monterey.
 Architect—Swartz & Ryland, Rowell Bldg., Fresno.
 Contractor—M. Spazier, Spazier Bldg., Monterey.
 Construction will be started in about one week.

KING CITY, Monterey Co., Cal.—Fred McCrary, Monterey, has contract and started erection of a one-story concrete addition, 80x25-ft., to the store building of F. C. Brunette in Broadway between 1st and 2nd Sts. Will be Spanish type with stucco finish. The present structure will be remodeled and new fronts installed.

Contract Awarded.
STORES Cost, \$7000
BERKELEY, Alameda Co., Cal. No. 166-11 Tacoma Avenue.
 One-story Class C concrete stores (4 stores).
 Owner—B. T. Hanson, 1977 Hopkins St., Berkeley.
 Architect—G. L. Hughsen, 1608 Stuart St., Berkeley.
 Contractor—J. R. Porter, 209 Amberst Ave., Berkeley.

Sub-Contracts Awarded.
STORE Cost, \$55,000
RICHMOND, Contra Costa Co., Cal.
 One-story and mezzanine floor steel frame and concrete store (10,000 square feet).
 Owner—Durr Bros., 332 23rd St., Richmond.
 Architect—Lynn Bedwell, 337 17th St., Oakland.
 Contractor—B. L. Spurr, 525 32nd St., Richmond.
Sheet Metal—Richmond Sheet Metal Works, Richmond.
Lumber—Tilden Lumber Co., Foot of University Ave., Oakland.
Painting—N. P. Fuller Co., 301 Mission St., San Francisco.
Brick Work—James Walker, Richmond.
Cement and Gravel—E. H. Higgins Co., Richmond.
Electric Work—Wired Heat Shop, 63 Grand Ave., Oakland.

Plumbing—R. Washburn, Richmond.
Ornamental Iron—Ed Muller, Richmond.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Steel Sash—Soule Steel Co., Rialto Bldg., San Francisco.
Roofing—Mastercraft Roofing Co., 1 20th St., Richmond.
Structural Steel—Herrick Iron Works 18th and Campbell Sts., Oakland.

Plans Being Completed.
OFFICES Cost, \$8,000
TULARE, Tulare Co., Cal. At Fair Grounds.
 One-story frame and plaster offices.
 Owner—Tulare Chamber of Commerce
 Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Plans Being Prepared.
STORES Cost, \$—
GONZALES, Monterey Co., Cal.
 One-story concrete and steel stores.
 Owned—Sneible & Tavernetti, Sunnyvale.
 Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Brix Bldg., Fresno.

Contract Awarded.
BANK Cost, \$16,000
SOQUEL, Santa Cruz Co., Cal.
 One-story reinforced concrete bank.
 Owner—Citizens Commercial Savings Bank, Soquel.
 Architect—Edwards & Schary, 605 Market St., San Francisco.
 Contractor—Wilson & McGranahan, Santa Cruz.

Contract Awarded.
STORES Cost, \$25,000
SAN FRANCISCO, Market St. near Pearl St.
 Owner—L. Van Damme, 861 Ashbury Street.
 Architect—Vincent Buckley, 525 Market Street.
 Contractor—B. Milano, 399 Templeton Avenue.
 Sub-bids are in and will be awarded shortly.

Being Done By Day's Work By Owner
STORES Cost, \$60,000
SAN MATEO, San Mateo Co., Cal.
 North E St. and Baldwin Ave., 81 x124 feet.
 One-story reinforced concrete store building (10 stores).
 Owner—Wisnom Estate.
 Architect—Edwards & Schary, 605 Market St., San Francisco.

Construction Starting Today.
STORE Cost, \$10,000
YUBA CITY, Yuba Co., Cal.
 One-story brick store.
 Owner and Builder—Wright & Kimbrough, 817 J St., Sacramento.
 Architect—Harry Devine, California State Life Bldg., Sacramento.

Sub-Contracts Awarded.
STORE Cost, \$100,000
OAKLAND, Alameda Co., Cal.
 Broadway, bet. 17th and 19th Sts.
 Four-story Class A reinforced concrete store building.
 Owner—"Money Back" Smith, 12th & Washington Sts., Oakland.
 Architect—Eng. Dept. of Lessee.
 Lessee—F. W. Woolworth Co., Financial Center Bldg., San Francisco.
 Contractor—McDonald & Kahn, Financial Center Bldg., San Francisco.

Wrecking—Symon Bros. Wrecking Co., 1435 Market St., S. F.
Reinforcing Steel—W. S. Wettenhall Co., 17th and Wisconsin Sts., San Francisco.
Miscellaneous Iron—Fraunfelder Ornamental Iron Works, 335 8th St., Oakland.

Roofing—Western Roofing Co., 1737 Telegraph Ave., Oakland.
Glass—Tyre Bros. Glass Co., 666 Townsend St., San Francisco.
 As previously reported, excavating awarded to Arisa-Knapp Co., 961 41st St., Oakland; structural steel to Judson-Pacific Co., 609 Mission St., S. F.; terrazzo work to Pacific Terrazzo Marble Co., 2144 Lombard St., S. F.
Bids Opened—Under Admision
STORE Cost, \$150,000
OAKLAND, Alameda Co., Cal. 29th St. and Broadway.
 Three-story Class A store.
 Owner—I. Magnin & Co., Grant Ave. and Geary St., San Francisco.
 Architect—Weeks & Day, Financial Center Bldg., San Francisco.
 Announcement will be made within a few days.

Additional Sub-Contracts Awarded.
OFFICES Cost, \$100,000
SAN FRANCISCO, Third and Stevenson Streets.
Seven-story Class C concrete office building
 Owner—Pacific States Auxiliary Corp.
 Architect—Albert F. Roller, Crocker First National Bank Bldg., S. F.
 Engineer—H. J. Brunner, Sharon Bldg., San Francisco.
 Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.
Steel Forms—Soule Steel Co., Rialto Bldg., San Francisco.
Electric Work—California Electric Constr. Co., 639 Mission St., S. F.
 As previously reported, concrete awarded to Golden Gate Atlas Material Co., 16th and Harrison Sts., S. F.; steel pan forms to Soule Steel Co., Rialto Bldg., San Francisco.

THEATRES

Specifications Being Completed.
THEATRE Cost, \$165,000
PASO ROBLES, San Luis Obispo Co.
 One and two-story reinforced concrete Class A building (theatre to seat 1200; stores, offices and apartments).
 Owner & Builder—Paso Robles Realty Co. (Jos. Greenback), Hearst Bldg., San Francisco.
 Architect—Albert H. Larsen, 447 Sutter St., San Francisco.
 Sub-bids will be taken in one week.

Construction To Start April 21.
THEATRE Cost, \$250,000
BAKERSFIELD, Kern Co., Cal.
 Two-story Class A reinforced concrete theatre (to seat 2000; 150x122 feet).
 Owner—Fcx West Coast Theatres, Inc., Washington St. and Vermont Ave., Los Angeles.
 Architect—C. Charles Lee, Petroleum Securities Bldg., Los Angeles.
 Contractor—Henry I. Beller, Constr. Co., 6513 Hollywood Blvd., Hollywood.

Planned.
THEATRE Cost, \$—
FRESNO, Fresno Co., Cal. Southern Business Section.
 Class A theatre (to seat 3000).
 Owner—Fox West Coast Theatres
 Architect—Not Selected.

Working Drawings Being Prepared.
THEATRE Cost Approx. \$1,000,000
OAKLAND, Alameda Co., Cal. Broadway near Hobart St.
 Class A theatre building.
 Owner—Publix Theatres, Inc.
 Architect—Miller & Pfueger, 580 Market St., San Francisco.

SOUTHERN CALIFORNIA—The Fox West Coast Theatres, Inc., Washington Blvd. and Vermont Ave., Los Angeles, Harold B. Franklin, president, announce that new theatre buildings will be erected at following locations: Garden Theatre, seating 1500, at La Brea and Melrose Aves.; Sunkist Theatre, seating 1500, at Florence and Compton; Westwood Village Theatre, at Westwood. Architects have not yet been retained.

Contract Awarded.

THEATRE Cost, \$350,000
LOS ANGELES, Cal. West Pico Blvd. and Lavonia Street.

Two-story Class A reinforced concrete theatre (120 by 120 ft.) (to seat 1500).

Owner—West Coast Hollywood Theatres, Inc.

Architect—Boller Bros., Douglas Bldg., Los Angeles.

Contractor—William Simpson Constr. Co., Architects Bldg., Los Angeles

Preparing Working Drawings.

THEATRE Cost, \$275,000
POMOCA, Los Angeles Co., Cal. Third and Gary Streets.

Two-story Class A reinforced concrete theatre (105x190 ft.) (to seat 2000)

Owner—Fox West Coast Theatres.
Architect—Balch & Stanbery, Film Exchange Bldg., Los Angeles.

SAN FRANCISCO—Alta Elec. Co., 333 Howard St., at \$37,400 awarded contract by Board of Public Works to furnish and install electrical equipment for stage at Municipal Auditorium.

WHARVES AND DOCKS

LOS ANGELES, Cal.—Until 12 M., May 2, bids will be received by the purchasing agent of the Pacific Electric Ry., C. Thornburn, 636 Pacific Electric Bldg., Los Angeles, for treatment of 200,000 6x8-in. by 8-ft. fir ties, and such quantities of switch and crossing timbers as may be required. Treatment to be in accordance with Southern Pacific Co. specifications covering the creosoting of Douglas fir cross ties by the "Rueping process" creosote fuel oil treatment. Pacific Electric Railway Co. to deliver ties to each car, San Pedro harbor district, in accordance with the specifications, which may be seen at the above address.

Plans Being Figured—Bids Close May 5, 8 P. M.

REPAIRS Cost, \$—
RICHMOND, Contra Costa Co., Cal. Fire damage repairs to Inner Harbor Terminal No. 2 (sugar dock).

Owner—City of Richmond, A. F. Faris, city clerk.

Engineer—H. J. Brunner, Sharon Bldg., San Francisco.

The city council recently settled with insurance companies on this damage for \$7,795. Plans for the work are on file in the office of the city clerk and obtainable from the engineer.

MISCELLANEOUS CONSTRUCTION

Plans Being Figured.

PAVILION Cost Approx. \$15,000
MANTECA, San Joaquin Co., Cal.

One and two-story wood frame or brick dance pavilion

Owner—S. D. E. S. M. Society (Portuguese Society).

Architect—Jos. Losekann, 931 N. El Dorado St., Stockton.

Bids are being received for a brick pavilion and also wood.

Completing Plans.

POOL Cost, \$20,000
SAN LEANDRO, Alameda Co., Calif.
At Roosevelt Grammar School in Dowling Bldg.

Concrete swimming pool, 60x120-ft. Donation of Henrietta Farrell, dec'd. Engineer—Merrill Gulwitz, assistant city engineer, San Leandro.

Construction will be undertaken under the supervision of the San Leandro Board of Education, comprising L. F. Sterner, W. O. Davies, William Lucio and Reed Heilig, in addition to City Manager W. A. Richmond.

ALAMEDA, Alameda Co., Cal.—Until May 3, 9 A. M., bids will be received by W. E. Varcoe, city clerk, to furnish and deliver:

1500 cu. yds. crushed rock;

1000 cu. yds. screenings;

600 cu. yds. bird's eye screenings.

Certified check 10% payable to city required with bid. Specifications on file in office of clerk. Burnett Hamilton is city engineer.

Plans To Be Prepared.

BATH HOUSE \$10,000
(to be appropriated)
STOCKTON, San Joaquin Co., Calif.

Boat and bathhouse building.

Owner—City of Stockton.
Architect To Be Selected.

City council on next Monday will consider adoption of a measure providing for a \$10,000 appropriation to finance this project. An architect will probably be selected at the same meeting to prepare the necessary plans.

Contract Awarded.

BATH HOUSE Cost, \$15,453
SACRAMENTO, Sacramento Co., Cal. Robbins Farm Center, Sutter Basin.

One-story frame bath house (105x45 feet).

Owner—Robbins Farm Center.
Architect—Dean and Dean, California State Life Bldg., Sacramento.

Contractor—M. R. Petersen, 4530 Parker Ave., Sacramento.

M. R. Petersen, Sacramento.....\$15,453

C. J. Hopkinson, Sacramento.....15,984

J. Matroni, Woodland.....16,100

Brown & Woodhouse, Woodland 17,634

A. Anglead, Yuba City.....19,575

EUREKA, Humboldt Co., Cal.—Until May 6, 5 P. M., bids will be received by A. Walter Kildale, city clerk, to construct concrete foundation around bird cages in Sequoia Park. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

LOS ANGELES, Cal.—Until 2 P. M., May 5, bids will be received by the county supervisors for furnishing and galvanizing Ellwood fencing, 1270 roll, 20-rod rolls of varying width and 60 tons Nos. 12 and 14 galvanized annealed iron tie wire. E. C. Eaton, 202 N Broadway, chief engineer, Los Angeles County Flood Control Dept.

SOUTHERN CALIFORNIA—Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, awarded contract for steel work by Southern Counties Gas Company for gas storage tanks to be built at the following locations: Four tanks at Santa Ana, two tanks at Ontario, two tanks at Pomona, two tanks at San Pedro. Steel work on each tank will cost \$50,000. Owner will install foundations.

BAKERSFIELD, Kern Co., Cal.—Adolph Hansen, 2328 19th St., Bakersfield, at \$1994 awarded contract by County Supervisors to construct portico and walks for Administration Building at Bakersfield Airport. Sym-

mes & Cullimore, architects, Habersfelde Bldg., Bakersfield. Following is a complete list of bids received, all bidders being of Bakersfield:

Adolph Hansen, 2328 19th St., ...\$1994
Z. L. Murray, 1212 Quincy St., ...1994
J. L. Love, 620 L St., ...1997
Paul Opperman, 1901 Oregon St. 2100
W. K. Michael, Pacific St., ...2120
P. W. Paynter, 1801 Palm St., ...2200

FRESNO, Fresno Co., Cal.—City of Fresno closes lease with Federal Government whereby latter will erect a tower and building for an airways radio beacon, just south of Chandler Municipal Airport. Cost of the station is estimated at \$7000. Lease negotiations for the government were carried on by Ralph E. Adams of Oakland of the airways radio service of the U. S. Dept. of Commerce.

Plans Being Prepared.
ART GALLERY, ETC.

\$50,000 available
STOCKTON, San Joaquin Co., Calif. Victory Park.
Haggin Memorial Museum and Art Gallery.

Owner—San Joaquin Pioneer and Historical Society (Donation of Mrs. Ella McKee).

Architect—W. J. Wright, Mail Bldg., Stockton.

Consulting Architect—Lewis P. Hobart, Crocker Bldg., San Francisco
A drive for funds will be started at once to secure from \$25,000 to \$30,000 to finance the purchase of equipment and maintenance of the structure.

Plans Being Figured—Bids Close May 21, 3:30 P. M.

SAN FRANCISCO. Portola Playground, Felton and Hamilton Sts.

One-story playground field house.

Owner—City and County of San Francisco (Playground Commission).

Architect—Gardner Dailey, Room 610, 425 Mason St.

Certified check 10% payable to Veda B. Young, secretary, Playground Commission, required with bid. Plans obtainable from architect.

Sub-Bids To Be Taken In Two Weeks
REPAIRS Cont. Price, \$26,436

SAN FRANCISCO, Marina District. Repairs to Palace of Fine Arts.

Owner—City and County of San Francisco (Park Commission, B. P. Lamb, Secretary).

Engineer—Henry D. Dewell, 55 New Montgomery St., San Francisco.

Contractor—Monson Bros., 375 6th St., San Francisco.

EUREKA, Humboldt Co., Cal.—Until May 6, 5 P. M., bids will be received by John Griffith, city superintendent of public works, to paint 3 wooden tanks in Harris St. between E and F Sts. S. Sec. and further information obtainable from superintendent, 524 D St., Eureka.

OAKLAND, Cal.—Art Concrete Works, 21th and Adeline Sts., Oakland, at \$3500 awarded contract by East Bay Municipal Utility District to furnish 5000 concrete meter boxes.

SALES REPRESENTATIVES ARE APPOINTED

Heltzel Steel Form and Iron Company announces appointment of Kratz and McClelland, Inc., 322 Bryant St., San Francisco, as representative in the Northern and Central California section and Crook Company, 1220 S Grand Ave., Los Angeles, as representative in the Southern section of the state.

Engineering News Section

BRIDGES

CALAVERAS COUNTY, Cal.—Geo. J. Ulrich Const. Co., Modesto, at \$18,037 awarded contract by State Highway Commission to construct a reinforced concrete girder bridge over Calaveritas Creek, 3 miles south of San Andreas, consisting of one 60-ft. span on concrete piers and six 30-ft. spans on conc. bents and abutments with rubble masonry wing walls.

PLUMAS COUNTY, Calif.—A. T. Howe, Santa Rosa, at \$10,990 awarded contract by State Highway Commission to construct a reinforced conc. girder bridge over fork of Feather River at Chester, consisting of three 35-ft. spans on concrete pile bents.

OROVILLE, Butte Co., Cal.—Until May 6, 2 P. M., bids will be received by C. F. Belding, county clerk, to construct timber bridge with rubble masonry abutments over Chico Creek on Chico Canyon road. Certified check 10% required with bid. Plans obtainable from J. A. Baumgarner, county road engineer.

SAN CARLOS, San Mateo Co., Cal.—City defeats proposal to issue bonds of \$10,000 to finance construction of five bridges over Cedar, Chestnut, Elm Arroyo and Stanford Lane.

OAKLAND, Cal.—Until May 6, 10:30 A. M., bids will be received by Geo. E. Gross, county clerk, for repairs to Bay Farm Island Bridge, involving widening of eastern approach to span and replacement of piling and strengthening other portions of the structure. Estimated cost \$39,000. Certified check 10% payable to clerk required with bid. Plans on file in office of clerk and obtainable on deposit of \$25, returnable. Geo. A. Posey, county surveyor.

SANTA ROSA, Sonoma Co., Cal.—Until May 5, 12 noon, bids will be received by Geo. P. Sanborn, county clerk, to construct 90-ft. timber bridge over Hobson Creek at Hacienda, Fifth Supervisorial District, involving:
47 cu. yds. excavation;
25 cu. yds. concrete;
20-3 M.B.M. lumber;
2,000 lbs. structural steel;
5,000 lbs. reinforcing steel.
Plans obtainable from County Surveyor E. A. Peugh.

SANTA ROSA, Sonoma Co., Calif.—County Supervisors authorize \$85,000 appropriation as Sonoma county's share in the construction of the proposed \$355,000 bridge over the Russian river at Jenner. The money is available provided the Shoreline Highway District furnishes its share of the cost. J. B. Platt, Santa Rosa, is engineer for the district.

EUREKA, Humboldt Co., Calif.—County Surveyor Frank Kelly completes plans for proposed concrete bridge over Eel River at Redway and a call for bids will be issued in about 30 days. Will have two spans, each 140-ft. in length; estimated cost \$45,000.

EUREKA, Humboldt Co., Cal.—Until May 7, 10 A. M., bids will be received by Fred M. Kay, county clerk, to construct a concrete culvert over Quill Slough's in Road Dist. No. 3.

Certified check 5% required with bid. Plans obtainable from Frank Kelly, county surveyor.

EUREKA, Humboldt Co., Cal.—Until May 7, 10 A. M., bids will be received by Fred M. Kay, county clerk, to construct trestle bridge over Old River near Clausen's in Road Dist. No. 1.

Certified check 5% required with bid. Plans obtainable from Frank Kelly, county surveyor.

STOCKTON, San Joaquin Co., Cal.—E. R. Stokes, 933 South Sierra Nevada St., Stockton, at \$3300 awarded contract by county supervisors to construct bridge over Littlejohn Creek in Van Allen District. Complete list of bids follows:

R. Stokes	\$3200
Carl Nelson	3657
L. Uebel	3690
Robert Beryle	3992
F. E. Fitzsimmons	4100
Nelson Bros	4145
John Heckman	4400

MODOC COUNTY, Calif.—Following bids received April 23 by State Highway Commission to construct two timber bridges, one across north fork of Pit river, about 3½ miles NW of Alturas, consisting of seven 19-ft. spans with concrete deck on pile bents and the other across Shields creek channel change, about 4 miles NE of Alturas, consisting of three 19-ft. spans with concrete deck on pile bents. Project involves: Furnish 3000 lin. ft. creosoted Douglas fir piles; drive 33 creosoted Douglas fir piles; 53 M. ft. b.m. creosoted Douglas fir timber, select struc. grade; 7 M. ft. b.m. untreated Douglas fir timber, select struc. grade; 87 cu. yds. class A Port. cem. conc. (pave.); 9500 lbs. reinf. steel; one lot miscellaneous items of work:

Smith Bros. Co., Eureka	\$13,875
R. B. McKenzie, Red Bluff	15,402
M. B. McGowan, S. F.	16,772

SAN BERNARDINO CO., Cal.—Following bids received April 23 by State Highway Commission to construct a bridge across Mojave river, 3 miles north of Victorville, consisting of one 270-ft. through steel truss span, five 51-ft. concrete girder spans and one 48-ft. concrete girder span on cone piers and bents. Project involves: 5,900 cu. yds. rdwy. excav.; 50,000 sta. yds. overhaul; 148 lin. ft. 36-in. corr. metal pipe; 350 lin. ft. laminated timber guard rail; 294 mi. oiling detour; one existing bridge to be removed; 1400 cu. yds. struc. excav.; 1430 cu. yds. class A; 400 cu. yds. class B and 265 cu. yds. class C Port. cem. conc.; 260,000 lbs. reinf. steel; 750,000 lbs. struc. steel; 12,500 lbs. cast steel; 6,220 lbs. bronze expansion plates; 19,200 lbs. cast iron in railing; 62,000 lbs. struct. steel in railing; 870 cu. yds. riprap; one lot miscellaneous items of work. State will furnish corr. metal pipe.

J. F. Knapp, Oakland	\$118,460
Rocca & Colletti, San Rafael	126,704
Carpenter Bros., Beverly Hills	131,806
Whipple Eng. Co., Monrovia	132,300
H. W. Rohl Co., Los Angeles	136,203
Lynch-Cannon Eng. Co., L. A.	143,664
Gist & Bell, Arcadia	144,918
Torsen Const. Co., Long Beach	149,127
Lord & Bishop, Sacramento	152,700

DREDGING, HARBOR WORKS & EXCAVATIONS

OAKLAND, Cal.—A. W. Kitchen, 110 Market St., at \$846 awarded contract (informal) by City Port Commission to construct four 3-pile dolphins in Outer Harbor Channel.

RICHMOND, Contra Costa Co., Cal.—San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, at 15.5c cu. yd. (\$22,124.65) awarded contract by E. A. Hoffman (city engineer) for dredging Ellis Slough. It is proposed to dredge a channel 4,000 ft. long and 300 ft. wide, with a depth of 30 ft. from the north terminal of Richmond inner harbor, and to construct a turning basin at the end. Only a portion of the channel will be less than 300 ft. wide, due to the failure of Procter & Gamble to join the agreement to do the dredging. The channel in front of the Procter & Gamble site, for a distance of 900 ft. will be only 200 feet wide. This is a private project and will be financed by the following property owners: Santa Fe Railroad Co., San Francisco Bridge Co., Duncanson & Harrelson, Richmond Navigation & Improvement Co., Richmond Investment Co.; Enterprise Foundry Co. and A. Banzoff.

ALBROOK FIELD, Canal Zone.—Until 11 A. M., May 15, bids will be received by war department office of Department Quartermaster, Quarry Heights, C. Z., for excavating 415,000 cu. yds. of earth, more or less, and placing same in embankment for aeroplane landing field, and for constructing 15 miles, more or less, of sub-surface vitrified tile drainage ditches at Albroom Field, Canal Zone. Plans obtainable on deposit of certified check for \$10, to order of treasurer of United States, at above office, or at office of constructing quartermaster, No. 39 Whitehall St., New York City, N. Y.

OAKLAND, Cal.—American Dredging Co., 255 California St., San Francisco, at \$0.33 cu. yd. submitted low bid to City Port Commission for dredging at oil wharf, outer harbor. Pacific Coast Dredging Co. only other bidder at \$0.35 cu. yd. Taken under advisement.

OAKLAND, Cal.—Until April 28, 4:30 P. M., bids will be received by G. B. Hegardt, Secretary, City Port Commission, 424 Oakland Bank Bldg., for repairing dredge. Plans obtainable from above.

STREET LIGHTING SYSTEMS

FRESNO, Fresno Co., Calif.—Until May 1, 10:30 A. M., bids will be received by H. S. Foster, city clerk (101-D) to install lighting system in Stanislaus St. bet. Van Ness Ave. and Point 75 ft. NE of O St., in O St. from Stanislaus St. to point 125-ft. NW from Stanislaus St., and in portions of Blackstone Ave., involving installation of 137 standards together with underground system. Comb. steel and cast iron standards. 1911 Act. Cert. check 10% payable to city required with bid. Plans on file in office of clerk.

SAN JOSE, Santa Clara Co., Cal.—City Engineer, Wm. Popp preparing plans for electrolite lighting system in Third St., bet. St. John and San Carlos Streets.

LOS ANGELES, Cal.—Until 2 P. M., May 12, bids will be received by the county supervisors to construct lighting system in Brooklyn Ave., between Record St. and Mednik Ave., Belvedere, C. I. No. 535, involving 48 Marbelite standards, type 2500. Estimate cost, \$21,075.

MACHINERY AND EQUIPMENT

SACRAMENTO, Cal.—Until May 13, 11 A. M., under Circular Proposal No. 30-347, Specification No. 1898, bids will be received by U. S. Engineer Office, California Fruit Bldg., to construct and deliver afloat one survey boat. Further information obtainable from above.

HAWTHORNE, Nevada—Until May 6, 10 A. M., bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish switching locomotive to Naval Ammunition Depot at Hawthorne. Specifications and further information obtainable from above office and on file in Navy Purchasing Office, 100 Harrison St., San Francisco.

SACRAMENTO, Cal.—Jenison Machinery Co., 58 Fremont St., San Francisco, awarded contract by Board of Education to furnish and install portable saw at \$276; portable band joiner at \$285 and three portable band saws at \$324 each. Equipment to be used in connection with school shop departments.

OAKLAND, Cal.—Until April 28, 4:30 P. M., bids will be received by G. E. Hegarct, Secretary, City Port Commission, 424 Oakland Bank Bldg., for repairing dredge. Plans obtainable from above.

FRESNO COUNTY, Cal.—Until Apr. 30, bids will be received by R. J. Carlisle, supt. of equipment, Shop No. 6, State Highway Department, 645 W. Olive St., Fresno, for the purchase of the following equipment no longer required by the commission:

CHC 34 Detroit Mower Attachment for Fordson Tractor.

CHC 121 Ingersoll Rand Jackhammer.

CHC 81 Fairbanks Morse 4x5 Typhoon pump unit gear driven type Z 3-hp. Gas Engine.

CHC 48 Fairbanks Morse 2 cyl. horizontal 4x6 Duplex force pump.

CHC 190 McCormick Deering Tractor rubber tired with a 85 Spearwell 8-ft. Grader Attachment CHC 35.

CHC 120 Georges 172 gal. Asphalt Heating Kettle.

One 3-yr. Dump Body Horizontal Hydraulic hoist.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at 645 W. Olive Ave., Fresno.

SACRAMENTO, Cal.—Until April 30 2 P. M., bids will be received by W. H. Riechel, Superintendent of Equipment, Shop 10, State Highway Commission, 1802 34th St., Sacramento, for the sale of the following equipment no longer required by the commission:

CHC 35 Detroit Mower Attachment for Fordson Tractor.

CHC 30 Detroit Mower Attachment for Fordson Tractor.

CHC 24 Buffalo-Pitts 18-ton Steam Roller.

CHC 84 McLeod Pavement Burner—with hood, 2 wheeled.

CHC 187 Office Wagon (4 wheeled) Office Size 10-ft. 2-in. by 6-ft. 6-in.; located at Cordelia.

CHC 204 Office Wagon (4 wheeled) Office Size 10-ft. 2-in. by 6-ft. 6-in.; located at Stockton.

CHC 208 Office Wagon (4 wheeled) Office Size 10-ft. 2-in. by 6-ft. 6-in.; located at Twin Cities.

CHC 1703 Standard Truck Chassis Model 66-S with cab.

CHC 165 Royal 8-ft. Grader; located at Woodford, Alpine County.

CHC 1193 Liberty Truck Chassis with cab at Sacramento.

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at 1802 34th St., Sacramento, California, from 8:30 A. M. to 4:30 P. M., on any working day, except as noted above.

BREA, Orange Co., Cal.—Until 4 P. M., April 28, bids will be received by the Brea-Olinda Union High School District for furnishing one 1½-ton truck. G. W. Cullen, clerk.

RAILROADS

SAN FRANCISCO.—Bureau of Engineering, Department of Public Wks 3rd floor, City Hall, making surveys to extend Municipal Railway from its present terminus at 48th Ave. to Sloat Blvd. at a point near Fleishacker Playground.

SAN FRANCISCO.—United States Steel Products Co. (Columbia Department), Russ Bldg., awarded contract by Board of Supervisors to furnish and deliver 200 rolled steel car wheels for Municipal Railway System, at \$35.50 each. Diameter of wheel 34-in., hub diameter 9¼-in.; rim width 43-16-in., hub length, 6-in.; rim thickness, 2½-in., hub projection 2 15-16-in.; tread width 3-in., flange width 1 3-16-in.; flange height ¾-in., rough bore 5½-in.; four drilled holes in each plate; outside edge of rim leveled ¾%-in.; numbers stamped on plate. Delivery Pipe Yard, 6th and Hubbell Streets; Freight prepaid.

FIRE ALARM SYSTEMS

MONTEREY, Monterey Co., Cal.—Acme Traffic Signal Co., only bidder at \$1,775 awarded contract by city council to furnish and install traffic signals at intersection of Franklin and Alvarado Sts.

FIRE EQUIPMENT

VALLEJO, Solano Co., Cal.—American-La France Fire Engine Co. at \$1,350 awarded contract by city council to furnish and deliver one 750-gal. quadruple city service truck with booster tank equipment and hose body. Seagrave Corp. only other bidder.

HAYWARD, Alameda Co., Cal.—Second election will be called by city council to vote bonds of \$15,000 to finance purchase of a motor fire truck, previous election failing to carry by a slight majority.

MISCELLANEOUS SUPPLIES AND MATERIALS

BERKELEY, Alameda Co., Cal.—City Clerk Florence Turner instructed by city council to call for bids to furnish 158,000 gals. gasoline for mun-

icipal use for the fiscal year 1930-1931, also for fuel and lubricating oils. Specifications are on file in the office of the clerk, Harry Goodridge is city engineer.

RESERVOIRS AND DAMS

PALO ALTO, Santa Clara Co., Cal.—Minton Co., Mt. View, at \$3264 submitted low bid to Board of Public Works to construct a reinforced concrete reservoir in park opposite Mayfield Depot near Oregon Avenue and Alma St. Four low bids, of the ten submitted, follow:

Minton Company	\$3,264
Thermotite Const. Co., San Jose 3,274	
Collins & Martin, San Jose.....	3,395
W. P. Goodenough, Palo Alto.....	3,422

PIPE LINES, WELLS, ETC.

TULARE, Tulare Co., Cal.—Due to irregularities, city council rejects bids to drill well in connection with municipal water system. New bids will be asked at once by R. M. Berryhill, city manager.

OAKLAND, Cal.—Pacific Coast Engineering Co., Foot of 14th St., Oakland, submitted low bid to City Port Commission to furnish (a) 2000 ft. to 4000 ft. and (b) 500 ft. to 1000 ft. steel dredge shore pipe. Bids were:

Pacific Coast Engineering Co.—(a)	\$2.35; (b) \$2.30.
Western Pipe & Steel Co.—(a) \$2.42; (b) \$2.55.	
Montague Pipe & Steel Co.—(a)	\$2.47; (b) \$2.51.

SEWERS AND SEWAGE DISPOSAL PLANTS

FAIRFIELD, Solano Co., Cal.—Until May 5, 10 A. M., bids will be received by G. G. Halliday, county clerk, for the construction of vitrified sanitary sewer system, together with manholes, inspection holes, sewerage pumping plant, etc., in Acq. and Imp. Dist. No. 1. Work under Acq. and Imp. Act 1925. City of Vallejo will pay \$30,526.48 of total cost, which is estimated at \$150,000. Certified check 10% payable to county required with bid. Plans on file in office of clerk.

SANGER, Fresno Co., Calif.—Until May 6, 8 P. M., bids will be received by Frank Niles, city clerk, to furnish materials and extend sewer system for a distance of 3,335-ft. Bids will be considered for both concrete and vit. pipe. Spec. on file in office of clerk.

BERKELEY, Alameda Co., Calif.—Schnoor Bros., 5905 Claremont Ave., Berkeley, at \$1,813 submitted low bid to city to construct a conduit in Corporacion Creek at the Municipal Airport. Following is a complete list of bids, all taken under advisement:

Schnoor Bros.	\$1,813
Oakland Const. Co., Oakland.....	1,864
H. K. Henderson.....	1,997
Walter Todd, Oakland.....	2,007
Martin Murphy, Oakland.....	2,195
J. H. Fitzmaurice, Oakland.....	2,274
Paris Bros., Berkeley.....	2,280
Heafey-Moore Co., Oakland.....	2,400
City Imp Co., Oakland.....	2,656

HAWTHORNE, Nevada—Gladding, McLean & Co., have been awarded contract by the Thomas Haverly Co. for furnishing five miles of 3 to 12-in. sewer pipe to be used in connection with the installation of utilities at the Naval Ammunition Depot, Hawthorne, for the United States Government.

NEWPORT BEACH, Orange Co., Cal.—The city council has signed a contract with the Currie Engineering Co. to make a survey and prepare plans for a sewage disposal plant. The engineering firm will receive 8% of the total cost of the job and a fee of not less than \$1000 to be paid for the plans. If the city build the plant, the fee is to be deducted.

SAN FRANCISCO—J. J. Gartland, 1275 Guerrero Street, at \$53,362 submitted low bid to Board of Public Works to construct Geary St. and 23rd Ave. sewer from 27th Ave. and Geary St. to 23rd Ave. and Lake St.; estimated cost, \$61,000. Project involves in the main, 34,000 ft. 4x6-in. to 23x-ft. reinf. conc. sewers. Gartland claims error in compiling his bid and will request that he be permitted to withdraw same. Complete list of bids follows:

J. J. Gartland	\$53,362
P. McHugh	\$66,751
L. J. Cohn	68,759
McDonald & Kahn	69,491
E. J. Treacy	70,541
C. C. Haun	78,472

SAN FRANCISCO—L. J. Cohn, 117 Montgomery St., at \$112,031 submitted low bid to Board of Public Works to construct Section B of the Fillmore St. Sewer, involving in the main 3,000 ft. 6-ft. 9-in. circular reinf. concrete sewer in Tenth and Fell Sts. from Harrison St. to Van Ness Ave.

Complete list of bids follows:

L. J. Cohn	\$112,031
MacDonald & Kahn	116,272
P. McHugh	117,343
Rocca & Coletti	120,621
C. B. Eaton	121,595
C. C. W. Haun	124,531
Healy-Tibbitts Const. Co.	129,372

VALLEJO, Solano Co., Calif.—Until May 7, 11 A. M., bids will be received by Alf. E. Edgcombe, city clerk, to construct a 36-inch vitrified clay pipe sanitary outfall sewer with creosoted timber cradle and pile foundation on direct extension westerly of the center line of Ryder St., extending from City Bulkhead to Longitudinal Dyke of U. S. Govt. on east side of Mare Island Channel. The time for completion is set for 120 days with \$10 per day penalty. Certified check 10% payable to city required with bid. Plans on file in office of clerk and obtainable from T. D. Kilkenny, city engineer.

SAN FRANCISCO—J. Varano, 16 Gerke Alley, at \$20,105 submitted low bid to Board of Public Works to construct Bay View District Sewers, involving 369 lin. ft. 4-ft. 6-in. reinf. concrete sewer, exclusive of piles; 703 lin. ft. 2-ft. 6-in. x 3-ft. 9-in. reinf. conc. sewers, exclusive of piles; 1250 lin. ft. open ditch; 400 lin. ft. 6-in. V. C. E. underdrain covered with concrete or imbedded in broken rock; 700 lin. ft. V. C. E. underdrain underdrained with concrete or imbedded in broken rock; one reinf. conc. junction struc., exclusive of piles; one reinf. conc. taper struc., exclusive of piles; 4 brick or concrete manholes; 10,500 lin. ft. wood piles below cutoff, in place. Complete list of bids follows:

J. Varano	\$20,105
M. J. Lynch	20,866
P. McHugh	21,402
L. J. Cohn	31,947
C. B. Eaton	22,417
C. B. Cowden	23,260
M. B. McGowan	23,926
E. J. Treacy	24,650
Rocca & Coletti	24,742
C. L. Harney	26,710
McDonald & Kahn	28,105

ATWATER, Merced Co., Cal.—W. J. Tobin, 527 Balfour Ave., Oakland, \$54,673 awarded contract by city council

to construct sewer system and treatment plant. Contract awarded on basis of using vitrified pipe.

WATER WORKS

SAN FRANCISCO—Western Pipe & Steel Co., 414 Market St., awarded contract by Pacific Fruit Express to furnish 500 steel car underframes with accessories.

SAN DIEGO COUNTY, Cal.—Southern California Water Supply Co., San Francisco, has filed application with State Department of Public Works, Division of Water Rights, seeking to appropriate 18.6 cu. ft. of water per second from the Sweetwater River, a tributary of San Diego Bay, for an irrigation and domestic water system, involving an expenditure of \$1,500,000. The towns of National City, Chula Vista and Coronado and unincorporated areas in the vicinity will be served. Five thousand acres of land will be irrigated, in addition to the domestic supply for the cities mentioned.

BELLINGHAM, Wash.—Until May 1, bids will be received by city council to furnish 500 tons of pipe, as follows: 3000 ft. 8-in. class B centrifugal; 3000 ft. 4-in. do; 1000 ft. 12-in. do; 8000 ft. 6-in. do. Further information obtainable from city clerk.

CORRALITOS, Santa Cruz Co., Cal.—Engineer Arnold M. Baldwin, Leonard Bldg., Santa Cruz, is making surveys for a water supply system for which bonds of \$125,000 have been voted to finance. Details on this project will be given when the plans are further advanced.

SANTA BARBARA, Cal.—Until 2:30 P. M., May 1 (tentative date), bids will be received by city for all labor and material (except pump, motor and starter, which will be furnished by the city), for constructing salt water pipe line and pumping system for Los Banos Del Mar pool, located at West Cabrillo Blvd. and Castillo St. The work involves 947 ft. of 6-in. welded iron pipe, with valves, fittings, suction hose, buoy and pump foundations. Cert. check or bond, 10%. E. B. Brown city engineer.

SAN FRANCISCO—Until April 28, 3 P. M., under Proposal No. 582, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 10,000 ft. 8-in. and 10,000 ft. 6-in. bell and spigot cast iron pipe (made in U. S. A.) Specifications and further information obtainable from above.

VENTURA, Ventura Co., Cal.—Until 11 A. M., May 6, bids will be received by the Ventura county supervisors for furnishing and erecting a 125,000-gal. steel water tank at Moorpark. Bids for a concrete reservoir to serve this district were rejected. Bids will also be received at the same time for the necessary piping and the booster pump.

WHITTIER, Los Angeles Co., Cal.—The \$310,000 water bond issue carried at the election April 14. The estimate, as prepared several months ago, includes the following: (1) two wells, including motors, pumps, buildings and site, \$45,030; (2) 30-in. pipe line from wells to settling basin, \$21,600; (3) settling basins, booster plant and site, \$23,880; (4) 30-in. pipe line, settling basin to reservoir, including meter, \$37,780; (5) 10,000,000-gal. reservoir including site, \$75,095; (6) 6-in. pipe line from new reservoir to Rideout Heights reservoir, \$2130; (7) Rideout Heights reservoir, including

site and pipe line, \$3453; (8) 24-in. pipe line connecting 10,000,000-gallon reservoir and Greenleaf reservoir, \$22,526; (9) 16-in. pipe line from Greenleaf to Fainter reservoir, \$4530; (10) 2 boosters and building, new reservoir to Rideout reservoir, including meter, \$1734; (11) one booster, Greenleaf to Fainter reservoir, with building and meter, \$2924; (12) 1 booster to College Hills, including building, automatic control and meter, \$2924; (13) repairs to Corliss engines, signal system, power lines, including new buildings and derrick at present wells, \$10,000; (14) repairs to Greenleaf reservoir, \$5000; (15) 4-in. mains \$8400; (16) 6-in. mains \$4500; (17) 8-in. mains, \$6500; (18) miscellaneous, \$4295.

SANTA ANA, Orange Co., Cal.—U. S. Pipe and Foundry Co. awarded contract by city council to furnish cast iron pipe for water department, as follows: 15,000 lin. ft. 4-in. 39.7c; 11,000 lin. ft. 6-in., 57.9c; 4500 lin. ft. 8-in., \$1.5c; 3,000 lin. ft. 10-in., \$1.094; 6300 lin. ft. 12-in., \$1.43.

SAN FRANCISCO—U. S. Pipe and Foundry Co., Monadnock Bldg., at \$0.53 lin. ft. awarded contract by Board of Supervisors to furnish 10,000 ft. 6-in. cast iron (class 150) centrifugally cast bell and spigot pipe (made in U. S. A.) in 12- or 18-ft. lengths, f.o.b. docks, San Francisco; 45 days.

CLOVERDALE, Sonoma Co., Cal.—City votes to transfr. \$15,000 bond money from street paving funds to water fund to finance extensions and improvements to municipal water system.

TULARE, Tulare Co., Cal.—R. E. Rounsaville, Tulare, at \$5,168.35 awarded contract by city council to construct extension to water works system, involving 3700 ft. 6-in. and 8-in. water mains. Ajax Const. Co., bid \$5,568.39.

LOS ANGELES, Cal.—Consolidated Steel Corporation awarded contract by the Rio Grande Oil Company for fabrication and erection of four 123,000-barrel riveted steel tanks at Vinvale, near Downey, and two of similar capacity at Bakersfield. The company has also been awarded contract by Ohio Oil Company to fabricate and erect two 80,000-barrel tanks in the new Venice field.

PLAYGROUNDS & PARKS

SAN JOSE, Santa Clara Co., Cal.—City council contemplates purchase of Vendome Hotel grounds on which it is proposed to lay out a public park comprising 10 acres. Negotiations for the purchase are now under way.

SAN FRANCISCO—City Playground Commission seeks \$541,500 appropriation for operation during next fiscal year. The commission wants \$300,000 to buy 50 acres in the Lake Merced district for baseball diamonds, \$211,500 for four blocks in the Sunset district for playgrounds, and \$39,000 for a playground site in Visitation valley.

STREETS AND HIGHWAYS

REDWOOD CITY, San Mateo Co., Cal.—W. O. Tyson, 422 Jefferson St., Redwood City, at \$1363.36 awarded contract by city council (M-2) to improve Ebner Street from Roosevelt Ave. to Oak Ave., involving grading; cem. conc. curbs, gutters, walks.

SALINAS, Monterey Co., Calif.—Granite Const. Co., Watsonville, at \$10,905.54 awarded contract by city

council (86) to improve portions of Front St. and Gabilan St., involving grading; hyd. cem. conc. curbs; 5-in. hyd. cem. conc. pavement; hyd. cem. conc. walks, catchbasins, manholes; 10-in. corr. iron pipe culverts.

SAN LUIS OBISPO. Cal.—Irving L. Ryden, San Carlos and Dupont Sts., San Jose, at \$16,064 submitted low bid to city council (311) to improve portions of Santa Rosa, Flg and stenner Sts., involving grading; 6-in. and 3-in. hyd. cem. conc. paving, etc.

BERKELEY. Alameda Co., Cal.—City Engineer Harry Goodridge completes specifications to widen and pave Spruce St., bet. Los Angeles and Hearst Aves., estimated cost \$200,000. It is proposed to form assessment district in the area to finance portion of cost, the remainder to be raised between the city and property owners fronting on Spruce St. Property owners in Spruce St., however, object to paying more than one-third the total cost.

SAN FRANCISCO.—Granfield, Farrar & Carlin, 67 Hoff St., at \$18,294 submitted low bid to Board of Public Works to construct Section C of the Alemany Blvd. Estimated cost, \$26,000. Project involves: 42,000 cu. yds. excav.; 256 cu. yds. class B 2,500-lb. conc. in retaining wall; 50 cu. yds. class B 2,500-lb. conc. in reinforcing Winniepe Ave. sewer; 44 cu. yds. class D 1,800-lb. conc. in reinforcing Winniepe Ave. sewer; 3,000 brick in mortar furnished and placed in reinforcing Winniepe Ave. sewer; 29,000 lbs. bar reinf. steel; 180 lin. ft. 12-in. V. C. P.; 1 brick manhole, complete; 4 brick manholes, to be raised to grade of Alemany Blvd. Complete list of bids follows:

Granfield, Farrar & Carlin.....	\$18,294
A. G. Ralsch.....	18,333
C. B. Eaton.....	19,386
Meyer Bros.....	19,953
J. P. Holland.....	21,359
C. L. Harney.....	25,390
MacDonald & Kahn.....	25,631

REDWOOD CITY. San Mateo Co., Cal.—Peninsula Paving Co., Standard Oil Bldg., San Francisco, at \$14,458.14 awarded contract by city council (M-1) to improve Lexington Ave., between Grand Street and Central Park Subdivision; Grand St. from Lexington Ave. to point 420 ft. SE; Iris St. from Vera Ave. to point 1.5 ft. SE of Roosevelt Ave., involving grading; comb. concrete curbs and gutters; 24-inch asphalt. conc. base pavement with 1½-in. asphalt. conc. surface, all on a 3-in. broken stone cushion and Oak Ave. bet. Sequoia and Sierra Sts., involving grading; cem. conc. gutters; 1½-in. asphalt. conc. base course with 1½-in. asphalt. conc. surface pavement with 3-in. broken stone cushion.

SAN MATEO. San Mateo Co., Cal.—Two bids received by city council (to widen North B Street), have been taken under advisement. Bids were: A. G. Ralsch, 46 Kearny St., San Francisco, \$53,432.74, accepting \$35,775 worth of assessment bonds as required.

Hanrahan Co., Standard Oil Bldg., San Francisco, \$53,723.52, accepting \$35,775 worth of assessment bonds as required.

The bids were taken under advisement. Work is provided for under Acq. and Imp. District No. 1, involving grading, 6-inch conc. base pavement with 2-in. asphalt. conc. surface; const. reinf. conc. bridge; comb. conc. curbs and gutters; cem. walks; 8-in. and 4-in. vit. pipe lateral sewers; br. manholes; 10-in. cem. conc. pipe storm water sewers; electrolytic lighting

with underground system. Acq. and Imp. Act 1925.

ALAMEDA. Alameda Co., Cal.—Until May 3, 9 A. M., bids will be received by W. E. Varcoe, city clerk, to furnish and deliver:

1500 cu. yds. crushed rock;
1000 cu. yds. screenings;
600 cu. yds. bird's eye screenings.
Certified check 10% payable to city required with bid. Specifications on file in office of clerk. Burnett Hamilton is city engineer.

SAN RAFAEL. Marin Co., Calif.—City council declares intention (496) to improve Sixth St. bet. Cottage Ave. and E St., etc., involving grading; hyd. conc. curbs, gutters; r.w. header boards; hyd. conc. catchbasins; stone sub-base with asphalt. conc. surface pavement. 1911 Act. Bond Act 1915. Hearing May 8. Eugene W. Smith, city clerk. H. K. Brainerd, city manager.

SAN RAFAEL. Marin Co., Calif.—City council declares intention (493) to improve G and Ida Sts., and one unnamed street, involving grading; 4-in. ironstone pipe side sewers; 10-in. corr. iron pipe storm drains; hyd. conc. culverts with corr. iron arches; hyd. conc. catchbasins, curbs and gutters; r. w. header boards; stone sub-base with asphalt. conc. surf. pave. 1911 Act. Bond Act 1915. Hearing May 8. Eugene W. Smith, city clerk. H. K. Brainerd, city manager.

VISALIA. Tulare Co., Cal.—Central California Road Co., Oakland, at \$32,434 awarded contract by city council (135-C) to improve E Mineral King Ave. and W Mineral King Ave. bet. South Court and S Conyer Sts., and S Conyer St. bet. Mineral King Ave. and bridge over Mill Creek, involving grading; 4-in. asphalt. conc. pave. with 1½-in. (granular surface type) Warrenite-Bit. surf.; hyd. conc. curbs, gutters, catchbasins; storm sewers.

VISALIA. Tulare Co., Calif.—Jas. Caldwell, Visalia, at \$2,341 awarded contract by city council (34-C) to improve north half of E Mineral King Ave. bet. East St. and east city limits; south half of E Mineral King Ave. bet. East St. and point 1057 ft. east of East St.; S Tipton St. bet. E Mineral King Ave. and point 20 ft. north of Griffiths Tract and Shaver's Addition, involving hyd. conc. curbs, driveways and sidewalks.

VALLEJO. Solano Co., Cal.—City Engineer T. D. Kilkenny preparing specifications for cement concrete sidewalks in Indiana St. bet. Colusa and Amador Sts.

ALAMEDA. Alameda Co., Cal.—Until May 3, 9 A. M., bids will be received by W. E. Varcoe, city clerk, to furnish and deliver 2,000 barrels, more or less, Calol or Roadmate Oil. Cert. check 10% payable to city required with bid. Spec. on file in office of

RIVERDALE. Fresno Co., Calif.—County supervisors authorize formation of public improvement district to pave five blocks of streets in Riverdale. The county will pay to pave the clerk. Burnett Hamilton, city eng. center 16-ft. of the roadway. Chas. E. Sloan, 605 Market St., San Francisco, engineer for district.

BURLINGAME. Santa Mateo Co., Cal.—City Engineer C. M. Thomas, recommends to city council widening of Burlingame Ave. by 6 ft. from El Camino Real to California Ave., estimated at \$3 per front ft. Involves approx. 3000 ft. of frontage.

REDWOOD CITY. San Mateo Co., Cal.—Oakland Sewer Construction

Co., Oakland, at \$946.40 awarded contract by city council to concrete yard at rear of firehouse. Other bids: G. Bragato, \$1060; H. E. Casey, \$1283.

SANTA ROSA. Sonoma Co., Cal.—Geo. French Jr., Stockton, at \$5436.20 awarded contract for asphaltic oil surfacing on El Verano road from El Verano to state highway and at \$2,700.07 for asphaltic macadam surfacing on Valley Ford Highway, also at \$6329.10 for asphalt macadam surfacing on the 4.6 mile stretch from Petaluma to the Sonoma Highway.

TULARE. Tulare Co., Cal.—Until May 7, 8 P. M., bids will be received by R. M. Berryhill, city manager, to furnish and deliver 2000 barrels light road oil. Specifications obtainable from city engineer.

SAN JOSE. Santa Clara County, Cal.—A. J. Ralsch, 46 Kearny St., San Francisco, at \$7,990 awarded contract by county supervisors to improve Sunnyvale Ave. in town of Sunnyvale, Sup. Dist. No. 5. Complete list of bids follows:

A. J. Ralsch.....	\$7,990
Union Paving Co.....	8,129
San Jose Paving Co.....	8,500
Surveyor's estimate.....	8,100

SAN JOSE. Santa Clara County, Cal.—Until May 5, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Cottle Road in Supervisor District No. 4. Plans obtainable from County Surveyor Robert Chandler.

FRESNO. Fresno Co., Cal.—The county supervisors have ordered formation of a district to pave five blocks in Riverdale, pavement to be 16-ft. in width, of open specifications type. Chris P. Jensen, county surveyor.

SAN BERNARDINO CO., Calif.—As previously reported, bids will be received May 14 by State Highway Commission to grade 0.8 mi. at Mojave River. Project involves: 19,200 cu. yds. rdwy. excav. without class., location A; 11,700 cu. yds. rdwy. excav. without class., location B; 173,300 sta. yds. overhaul; 250 cu. yds. struc. excav.; 2 cu. yds. class A cem. conc. (struc.); 100 lbs. bar reinf. steel (struc.); 254 lin. ft. 18-in. and 112 lin. ft. 24-in. corr. metal pipe; 40 lin. ft. corr. metal pipe (clean and relay); 0.3 ml. move and reset property fences; 45 sta. finish rdwy.; 24 each, monuments, complete, in place. State will furnish corr. metal pipe.

LASSEN & SIERRA COUNTIES. Calif.—Until May 6, 2 P. M., bids will be received by H. S. Conly, district engineer, State Highway Commission, Redding, to furnish and apply as dust layer heavy fuel oil on 52.2-miles between 2 miles west of Milford and the State Line.

WILLOW GLEN. Santa Clara Co., Cal.—S. J. Ralsch, 46 Kearny St., San Francisco, at \$18,039 awarded contract by city trustees (48) to improve portions of Willow Glen Way, involving grading; 2-in. Durite asphalt. conc. surface pavement on 3-in. asphalt. conc. base; cem. conc. curbs, walks, gutters; corr. galv. iron culverts.

FRESNO. Fresno Co., Cal.—County supervisors will widen and oil the 4-mile control between Big Creek and Huntington Lake, permitting the road to take two lines of traffic. Estimated cost \$6000. Chris P. Jensen is county surveyor.

REDWOOD CITY. San Mateo Co., Cal.—City council declares intention (M-7) to improve Minnie St. between

Broadway and James St., and George St. bet. Minnie and El Camino Real, involving grading; cem. conc. curbs; 6-in. cement concrete pave. on 3-in. broken stone base with 1-in. sand cushion; 4-in. vit. pipe sewer laterals; cem. conc. walks; reinf. concrete box culverts; 15 single light electros together with underground system; 6-in. vit. pipe sewers; 12-inch cast-iron storm water sewer. 1911 Act. Bond Act 1915. Hearing May 5. B. E. Myers, city clerk. C. L. Dimmitt, city engineer.

HAYWARD, Alameda Co., Calif.—City council declares intention (789) to improve portions of Peralta, Grace, Soto and Simon Sts., involving:

- (a) 4,175 sq. ft. conc. sidewalks;
- (b) 250 lin. ft. vit. clay side sewer, 4-in.;
- (c) 100 lin. ft. redwood header-board;

(d) 78,000 sq. ft. 6-in. full penetration emulsified asphalt macadam paving;

(e) 11,700 sq. ft. 5-inch full penetration emulsified asphalt macadam paving including grading.

1911 Act. Bond Act 1915. Hearing May 7. M. B. Templeton, city clerk. Jesse B. Holly, city eng.

GILROY, Santa Clara Co., Cal.—City council petitioned to improve Dowdy St. bet. Fourth and Fifth; Alexander St., bet. Lewis and Martin; Hanna St., bet. First and Sixth; Sixth St., bet. Church and Hanna.

SAN JOSE, Santa Clara Co., Cal.—Proceedings have been started by city council to improve Elm street between Villa Ave. and McKendrie St. Pave, curbs, walks, gutters, etc. Wm. Popp, city engineer.

REDWOOD CITY, San Mateo Co., Cal.—City council declares intention (M-6) to improve portions of Maple St., etc., involving grading; 6-in. hyd. cem. conc. pavement on 3-in. broken stone base with 1-in. sand cushion; hyd. cem. conc. curbs, walks, concrete storm water inlets. 1911 Act. Bond Act 1915. Hearing May 5. B. E. Myers, city clerk. C. L. Dimmitt, city engineer.

OAKLAND, Calif.—Frank C. Cuffe, San Rafael, at \$45,205 awarded contract by county supervisors to improve two miles of Hayward-Redwood Canyon Road in Eden Township, involving clearing, grading and finishing roadway ad culverts. Complete list of bids follows:

Proposition A

Lee J. Immel, Berkeley.....	\$34,965
Frank C. Cuffe, San Rafael.....	36,355
M. J. Bevanda, Stockton.....	37,170
C. A. Bruce, Pleasanton.....	44,000
C. C. Lappin.....	47,020
Casson and Lee, Hayward.....	47,625
Granfield, Farrar and Carlin.....	48,195
San Francisco.....	50,200
J. P. Holland, San Francisco.....	50,200
Ariss-Knapp, Oakland.....	61,300

Proposition B

Frank C. Cuffe.....	\$45,205
Lee J. Immel.....	45,515
M. J. Bevanda.....	45,750
C. A. Bruce & Sons.....	57,325
J. C. Lappin.....	61,246
Casson & Lee.....	61,985
Granfield, Farrar & Carlin.....	62,129
J. P. Holland.....	62,995
Ariss-Knapp.....	73,850

REDWOOD CITY, San Mateo Co., Cal.—Until May 12, bids will be received by Elizabeth M. Kneese, county clerk, under Resolution of Intention No. 20 to improve O'Keefe, Donohoe, Park and Height Sts., bet. Menalto Ave. and Willow Road; portions of James, Garden, Cloud Sts., Carmel Ave., etc., involving grading; comb. hyd. cem. conc. curbs and gutters, walks; 3-in. asph. conc. surface on

4-in. waterbound macadam base; cem. conc. pipe storm water sewer; br. catchbasins; 4-in. vit. pipe lateral sewers in Menalto Park. 1911 Act. Co. Imp. Act 1921. No bids received for this work under last call. Plans obtainable from County Surveyor Geo. A. Kneese at Redwood City.

MARTINEZ, Contra Costa Co., Cal.—County supervisors start proceedings to improve streets comprising residential areas in the Mountain View Tract, including Martinez Ave., portions of Oak, Chestnut, Birch, Potter Sts., etc., involving waterbound macadam pavement, 5-in. base, 2-in. surface with the exception of Potter St. which will be paved with concrete. Will be known as Road Imp. Dist. No. 2. Est. cost, \$45,000. Ross L. Calfee, engineer, 322 Arlington Ave., Berkeley.

SAN MATEO, San Mateo Co., Cal.—City council starts proceedings to pave streets in east side of the Homestead district and 9th and 10th Aves. bet. the railway tracks and Bayshore Blvd. in East San Mateo.

SAN JOSE, Santa Clara County, Cal.—Union Paving Co., Cal. Bldg., San Francisco, at \$29,049 awarded contract by county supervisors to improve San Jose and Aliso roads in Sup. Dist. No. 3. Complete list of bids follows:

Union Paving Co.....\$29,049

San Jose Paving Co.....29,050

A. J. Rasch.....29,360

Surveyor's Estimate.....29,570

WOODLAND, Yolo Co., Cal.—City council has started proceedings to pave four alleys, as follows:

from Elm to Walnut; from Third to Fourth; from Third to Second, and from College to Elm, all between Lincoln and Main Streets.

SANTA ROSA, Sonoma Co., Cal.—A. Teichert & Sons, Inc., Sacramento, at \$3200 awarded contract by county supervisors to oil surface 3-mile stretch on Bodega Highway.

LOS ANGELES CO., Cal.—Ben. F. Dupuy, Los Angeles, at \$10,081 awarded contract by State Highway Commission to furnish and apply heavy fuel oil on shoulders on 26.5 miles bet. west boundary and Santa Monica.

SAN DIEGO-IMPERIAL COUNTIES Cal.—Gilmore Oil Co., Los Angeles, at \$22,165 awarded contract by State Highway Commission to furnish and apply heavy fuel oil on shoulders of 35.4 miles of highway in various sections of San Diego and Imperial counties.

YUBA COUNTY, Cal.—C. W. Wood, Stockton, at \$31,296 awarded contract by State Highway Commission to grade and pave with cement concrete 0.9 mile through Wheatland.

SUNNYVALE, Santa Clara Co., Cal.—Until April 29, 8 P. M., bids will be received by Ida Trubschenck, city clerk (318) to improve portions of Washington Ave., Evelyn Ave., McKinley Ave., etc., involving grading; 2-in. asph. conc. surface on 3-inch asph. conc. base; cem. conc. curbs, gutters, walks and driveways; conc. pipe sewer laterals; ¾-in. water main connections; pipe culverts, etc. Project involves the improvement of about 39 blocks of streets. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

SAN MATEO COUNTY, Cal.—Until 10:30 A. M., May 20, bids will be received by the Joint Highway Dist. No. 9, 235 City Hall, San Francisco, for constructing the first unit of the

Ocean Shore Highway, between San Francisco and Santa Cruz. The first unit is the Pedro Mountain Grade, and involves Sec. A four miles, and Sec. 8, two miles. The work involves about 92,000 cu. yds. grading, 33,500 cu. yds. conc., 201,000 lbs. reinf. steel, with miscellaneous items of corrugated iron pipe, drain tile, etc. B. E. Kneese, court house, Redwood City is the engineer. Plans available after April 28.

SIERRA COUNTY, Cal.—Bids are to be asked at once by the Bureau of Public Roads for additional construction on the Yuba Pass National Forest Highway bet. Downieville and Sierra City. The U. S. Department of Agriculture has appropriated \$31,000 for regrading 3.1 miles of this road.

HAYWARD, Alameda Co., Cal.—City council declares intention (789) to improve portions of Soto, Grace and Simon streets, involving grading; surface with full penetration asphaltic macadam; vitrified clay side sewers; cement conc. curbs, gutters, walks; r. w. header boards. 1911 Act. Bond Act 1915. Hearing May 7. M. B. Templeton, city clerk. Jesse B. Holly, city engineer.

SAN LUIS OBISPO COUNTY, Cal.—Bradley Truck Co., Santa Maria, submitted low bid to the district engineer, state highway department, San Luis Obispo, at \$4130, for highway in Santa Barbara county bet. Elwood Overhead Crossing and Gale and between Carpinteria and Rincon Cutoff, about 6.5 miles in length, heavy fuel oil to be furnished and applied to the shoulders. L. H. Gibson, district engineer.

SAN JOSE, Santa Clara Co., Cal.—Until April 28, 8 P. M., bids will be received by John J. Lynch, city clerk, at \$700 to improve Garland Avenue bet. Race and Keeble Aves., involving grading; 1½-in. asph. conc. surface on 2½-in. asph. conc. base; cement concrete curbs, gutters, walks. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Wm. Popp, city eng.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch, 46 Kearny St., San Francisco, awarded contract by city council (5026) to improve Ryland St. bet. San Pedro and Santa Teresa Sts., etc., involving grading; 1½-in. asph. concrete surface on 3-in. asph. conc. base pave; concrete curbs, gutters; 8-in. vit. pipe drains; 4-in. vit. pipe lateral connections; 6-in. vit. sanitary sewers.

TULARE, Tulare Co., Calif.—Bids will be asked at once by R. M. Berryhill, city manager, to furnish 10 cars of road oil for treatment of unpaved streets. It is probable that the bids will be opened May 7.

MARTINEZ, Contra Costa Co., Cal.—County supervisors declare intention to improve portions of Valley Road, Ocean View Ave., Oak View Ave., etc., in Road Imp. Dist. No. 1, involving grading; 4-in. waterbound macadam base course with 3-in. asphaltic concrete surface; conc. curbs and gutters; part circle culvert. iron pipe culverts; 10-in. vit. pipe; catchbasins. Co. Imp. Act 1911. Hearing May 5. J. H. Wells, county clerk.

VALLEJO, Solano Co., Calif.—Until April 28, 11 A. M., bids will be received by Alf. E. Edgcombe, city clerk, (170) to improve Kissell alley from Butte to Branciforte Sts., involving grading; 3-in. by 12-in. r.w. curbs; 5-in. cem. conc. paving. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid.

Plans obtainable from T. D. Kilkenny, city engineer.

CHICO, Butte Co., Cal.—Union Oil Co. at \$1,3208 per barrel, including freight charges, awarded contract by city council to furnish and deliver 100,000 gals. oil for street improvements.

LOS ANGELES, Cal.—Until May 5, 2 P. M., bids will be received by county supervisors to improve Main St. north of Wilmington, under Cash Contract No. 334, involving in the main 455,000 sq. ft. 10-7-7-10-in. conc. pavement; 340,000 sq. ft. 9-7-7-9-in. conc. pavement; 473,000 sq. ft. 2-in. asph. conc. surface pavement; 30 tons asph. conc.; 468,000 sq. ft. 6-in. asph. conc. base; 321,260 sq. ft. 5-in. D. R. pave and shoulders with oil and rock surface, etc. Plans on file in office of county clerk.

SAN BERNARDINO COUNTY, Cal.—Until May 14, 2 P. M., bids will be received by State Highway Commission to grade 0.8 mile at Mojave River. C. H. Purcell, state highway engineer. See call for bids under official proposal section in this issue.

RED BLUFF, Tehama Co., Calif.—County supervisors adopt resolution providing for organization of joint highway district comprising Butte and Tehama counties, to finance improvement of road, 6.4 miles in length, linking east and west side highways from Proberta to a point $\frac{1}{2}$ -mile north of Molinos. Will involve scarfing and surfacing 6.4 miles of road at a cost of \$350 per mile.

SACRAMENTO, Cal.—Until May 5, 5 P. M., bids will be received by Chas. C. Hughee, secretary, Board of Education, School Administration Bldg., 21st and L Sts., for approximately 15,000 sq. ft. of asph. conc. pavement; 324 lin. ft. 2-ft. concrete curb and gutter. Cert. check 10% payable to Board of Education required with bid. Plans obtainable from Business Manager of Board, School Administration Building.

SAN ANDREAS, Ca'averas Co., Cal.—Until May 5, 3 P. M., bids will be received by John Squellati, county clerk, to improve Valley Springs-Belota County Highway between town of Valley Springs and boundary line of San Joaquin county, involving furnishing and placing a light fuel oil. Cert. check 10% required with bid. Plans on file in office of county clerk.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, until 2 o'clock P. M. on May 14, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows: San Bernardino County, at Mojave River (VIII-SBD-31-D), about eight-tenths (.8) mile in length, to be graded.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of

Chapter 44, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of District Engineer of the district in which the work is situated. The District Engineer's offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS, DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

Dated April 16, 1930.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up until 2 o'clock P. M., Tuesday, May 13, 1930, thereafter on said day to be publicly opened and read for the erection and completion of Groups of Buildings at Three Maintenance Stations, District #7, Division of Highways, in accordance with plans and specifications therefor.

The sites for the proposed structures are located as follows:

1. At Big Sycamore Canyon in Ventura County on the Santa Monica-Oxnard Highway, 15.8 miles southeasterly from Oxnard.

2. In Las Flores Canyon in Los Angeles County, 0.6 miles north of the Santa Monica-Oxnard Highway, and 7.5 miles west of Santa Monica.

3. At Serra on the Los Angeles-San Diego Highway, 3 miles south of Capistrano in Orange County; all in the State of California.

Each group of buildings consists of one five-room cottage, one bunk house and garage building, one oil house, one septic tank. Separate bids will be entertained for one or more of the groups, and combined bids will also be taken for all three groups.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications and proposal form may be secured by licensed contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 444, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE

GEORGE B. McDOUGALL,

State Architect.

B. B. MEEK,
Director of Public Works.

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SAN FRANCISCO

NOTICE TO CONTRACTORS

General Work

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, May 20, 1930, thereafter on said day to be publicly opened and read for the erection and completion of the General Work for the Ward Building and Shop Building, Whittier State School, Whittier, California, in accordance with plans and specifications thereof.

The Ward Building is a two-story brick structure with frame interior construction and tile roof. The floor area is approximately 8800 square feet. The shop building is a one-story brick structure with concrete floor, wood roof construction and tile roof. The floor area is approximately 11,200 square feet.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications, and proposal forms may be secured by licensed General Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bids will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and

to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE
 GEO. B. MCDUGALL,
 State Architect.
 B. B. MEKK,
 Director of Public Works.

NOTICE TO CONTRACTORS

Mechanical Work

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, May 20, 1930, thereafter on said day to be publicly opened and read, for the installation and completion of the Mechanical Work for the Ward Building and Shop Building, Whittier State School, Whittier, California, in accordance with plans and specifications thereof.

Mechanical Work includes Plumbing, Heating, and Electrical Work. Separate bids will be received for "Electrical Work" and for "Plumbing and Heating Work." Combined bids will also be received covering all three branches of the work.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications, and proposal forms may be secured by licensed General Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bids will be considered unless cash, a bidder's bond made payable to the State of California, or a certi-

fied check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS

DIVISION OF ARCHITECTURE
 GEO. B. MCDUGALL,
 State Architect.
 B. B. MEKK,
 Director of Public Works.

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street, Phone K-Earny 1232.

20038—Savene, Marketing, Etc. New York, N. Y. Company organized for the purpose of assisting American concerns to build up foreign markets, to manufacture abroad, to protect patents, etc., especially in Europe, wishes to communicate with interested exporters or manufacturers.

20050—Agent. San Francisco, Calif. Party who is going to Rhodesia, S. Africa, wishes to represent any kind of line, but is particularly interested in novelties, radios, paints, and varnishes. African and Australian references. 31

B. D. MOSES IS HONORED BY ENGINEERS' SOCIETY

B. D. Moses, associate professor of agricultural engineering at the Davis Branch of the College of Agriculture, University of California, has been elected second vice-president of the American Society of Agricultural Engineers.

Professor Moses already was chairman of the Committee on Nomenclature and Standard Practices of the organization, and has taken an important part in its deliberations and findings in the last few years. He will attend the meetings of the Society, to be held in Moline, Illinois, June 14.

Preceding the meetings of this organization, Professor Moses will attend the sessions of the Committee on Relation of Electricity to Agriculture, to be held in Moline June 13 and 14. He is chairman of the project directors.

E. T. MCCLEARY OF REPUBLIC STEEL, PASSES

E. T. McCleary, president of the newly-formed Republic Steel Corp., died in Youngstown, Ohio, April 22, following an operation.

McCleary began his career in Youngstown as metallurgist for the Carnegie Steel Company's local plant. Twenty-two years ago, when Youngstown Sheet and Tube Company began building its blast furnaces and steel plant, he went with that company as chemist.

Leaving Sheet and Tube for the Republic Iron and Steel Company in April, 1928, McCleary became president of Republic, and when the new \$350,000,000 Republic Corporation was formed by a recent merger he became president of the new combination.

EXPANSION REPORTED

The National Equipment Corp., Milwaukee, Wis., announces the addition to its group of the C. H. & E. Manufacturing Co., Milwaukee, Wis., manufacturers of saw rigs, pumps, hoisting machinery, material elevators, and mortar mixers.

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BUILDING PERMITS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
469	Collins	Owner	3000
470	Edison	Owner	1000
471	Lambert	Anderson	2000
472	Dahlberg	Owner	3500
473	Hebbs	Owner	4000
474	Herzig	Owner	12000
475	Anderson	Owner	4000
476	Campbell	Owner	4000
477	Granfields	Cone	2000
478	Leregen	Owner	3500
479	Peterson	Siri	7000
480	Standard	Owner	1500
481	Dalton	Westlund	4500
482	Liebman	Owner	3000
483	Massile	Chaix	4000
484	Rincon	Herris	1000
485	S. F.	Lindgren	50000
486	Svenson	Owner	3000
487	Yoshizawa	Wakaye	1000
488	Anderson	Owner	3500
489	Castle	Horn	3000
490	Golden	Owner	1000
491	Keane	Erickson	4000
492	Kresteller	Hardy	6000
493	Roman	Goodwin	5371
494	Boyd	Barrett	30000
495	Coles	Owner	8000
496	Gallagher	Owner	1500
497	Lamberstein	Owner	2700
498	McDonough	Owner	9000
499	Pig'n	Jacks	15500
500	Speckhahn	Fetz	3000
501	St. Marys	Johnson	10000
502	Zatmary	Owner	3000
503	Eagar	Mattock	1500
504	Ledderhos	Bendon	4000
505	Michael	Sala	5000
506	Murphies	Owner	2500
507	Smith	Pearson	1000
508	Keenan	Owner	4000

DWELLING
 (469) S LAKEVIEW 25 W Margaret;
 one-story and basement frame
 dwelling.
 Owner—Ed. Collins, 1170 Brussels St.
 Architect—None. \$3000

ALTERATIONS
 (470) 39 POWELL ST.; alterations to
 theatre.
 Owner—Edison Theatre, 39 Powell St.
 Architect—L. Gosliner, 39 Powell St.
 \$1000

ALTERATIONS & ADDITIONS
 (71) 344 PARK ST.; alterations and
 additions to dwelling.
 Owner—S. Lambert, 244 Park St.
 Architect—None.
 Contractor—P. Anderson, 4082 Army
 Street. \$2000

DWELLING
 (72) E 26th AVE 104 N Judah St.;
 one-story and basement frame
 dwelling.
 Owner—E. Dahlberg, 1075 Holloway.
 Plans by B. K. Dobkowitz, 425 Mont-
 erey Blvd. \$3500

DWELLING
 (73) E 22nd AVE 250 S Moraga;
 one-story and basement frame
 dwelling.
 Owner—R. P. Hobbs, 818 Shrader St.
 Architect—None. \$4000

DWELLINGS
 (74) E SAN ALESO 160 N Upland;
 two 1-story and basement frame
 dwellings.

Owner—A. J. Herzig, 635 Victoria St.
 Plans by D. E. Jaekle, Call Bldg.
 each \$6000

DWELLING
 (475) E SOUTH HILL BLVD. 50 N
 Canyon; one-story and basement
 frame dwelling.
 Owner and Builder—A. Anderson, 912
 Geneva Ave.
 Plans by D. E. Jaekle, 944 Call Bldg.
 \$4900

DWELLING
 (476) N IDORA 27 E Laguna Honda;
 one-story and basement frame
 dwelling.
 Owner—J. V. Campbell, 1072 Bryant.
 Architect—None. \$4000

ALTERATIONS
 (477) INTERSECTION MISSION &
 Otis Sts.; alterations to construct
 brick service station to replace
 present steel station.
 Owner—Granfields, Inc., Twelfth and
 Howard Sts.
 Architect—Blaine & Olsen, 222 Kearny
 Street.
 Contractor—W. C. Cone, Crocker Bldg.
 \$2000

DWELLING
 (478) N JUDSON 100 W Genessee;
 one-story and basement frame
 dwelling.
 Owner—J. Leregen, 176 4th Ave.
 Architect—None. \$3500

DWELLING
 (479) W 14th AVE. 220 S Taraval;
 two-story and basement frame
 dwelling.
 Owners—T. C. and J. E. Peterson, 545
 Jersey St.
 Architect—None.
 Contractor—Siri & Bott, 43 Emerson
 Street. \$7000

SERVICE STATION
 (480) SE COR. 17th and Connecticut
 Sts.; one-story steel frame ser-
 vice station.
 Owner—Standard Oil Co., 225 Bush St.
 Architect—None. \$1500

DWELLING
 (481) E TWENTY-SECOND AVE 100
 N Lawton. One-story and base-
 ment frame dwelling.
 Owner—T. Dalton, 642 Mississippi St.,
 San Francisco.
 Architect—None.
 Contractor—C. H. Westlund, 930 Caro-
 lina St., San Francisco. \$4800

APARTMENTS
 (482) SE SCOTT AND BEACH STS.
 Three-story and basement frame

(39) apartments.
 Owner—Ben Liebman, 1355 Francisco
 St., San Francisco.
 Architect—R. Irvine, 747 Call Bldg.,
 San Francisco. \$30,000

DWELLING
 (483) W TWENTY-FOURTH AVE
 81 N Cabrillo. One-story and
 basement frame dwelling.
 Owner—J. F. Massile, 772 15th Ave.,
 San Francisco.
 Plans by D. E. Jaekle, 744 Call Bldg.,
 San Francisco.
 Contractor—V. E. Chalk, 448 42nd
 Ave., San Francisco. \$4000

ALTERATIONS
 (484) S FEDERAL 50 N Rincon. Al-
 terations to underpinning of ware-
 house.
 Owner—Rincon Warehouse Co., 274
 Brannan St., San Francisco.
 Architect—None.
 Contractor—L. A. Herris, 274 Brannan
 St., San Francisco. \$1000

ALTERATIONS
 (485) NO. 155 SANSOME. Alter in-
 terior finish on 6, 7, 10 and 11th
 floors.
 Owner—The San Francisco Stock &
 Bond Exchange, Premises.
 Architect—Miller & Pfeuffer, 580 Mar-
 ket St., San Francisco.
 Contractor—Lindgren & Swinerton,
 Standard Oil Bldg., San Fran-
 cisco. \$50,000

DWELLING
 (486) E ELK 275 N Chenery. One-
 story and basement frame dwelling
 Owner—O. T. Svenson, 336 Clemen-
 tina St., San Francisco.
 Architect—None. \$3000

ALTERATIONS
 (487) NO. 560 GRANT AVE. Alter
 (3) flats.
 Owner—K. Yoshizawa, Premises.
 Architect—N. A. Reinhertz, 3714 Di-
 visadero St., San Francisco.
 Contractor—N. Wakaye, 1509 1/2 Geary
 St., San Francisco. \$1000

DWELLING
 (488) N NOREIGA 57 E 19th Ave.;
 one-story and basement frame
 dwelling.
 Owner—C. Anderson, 140 Granville
 Way.
 Architect—None. \$3500

DWELLING
 (489) N MANGELS 225 W Foerster;
 one-story and basement frame
 dwelling.
 Owner—Castle Bldg. Co., 830 Market
 Street.
 Architect—None.
 Contractor—H. Horn, 830 Market St.
 \$5000

ALTERATIONS
 (490) NW CLAY & BATTERY; alter-
 ations to storage room.
 Owner—Golden State Milk Prod. Co.,
 425 Battery St.
 Architect—None. \$1000

DWELLING
 (491) E PUTNAM 225 S Jabore; 1-
 story and basement frame dwell-
 ing.
 Owner—T. Keane, 25 Putnam St.
 Architect—None.
 Contractor—H. Erickson, 972 Chenery
 Street. \$4000

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J. C. PALEN

Manager

914 Seventh Street

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ALTERATIONS

(492) 2001 MARKET ST.; alterations to auto sales room.
Owner—Kresteller Motor Co., 2001 Market St.
Architect—None.
Contractor—A. M. Hardy, 212 Ritch Street. \$6000

CONVENT

(493) N GEARY ST. 75 W 23rd Ave.; three-story and basement concrete convent.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—H. A. Minton, Underwood Bldg.
Contractor—T. B. Goodwin, 2350 Divisadero St. \$59,374

ALTERATIONS

(494) MARKET ST. near Third; alterations and additions to building.
Owner—Alex. Boyd Estate, 3rd and Market St.
Architect—Hyman & Appleton, Foxcroft Bldg.
Contractor—Barrett & Hilp, 918 Harrison St. \$30,000

DWELLINGS

(495) E 30th AVE. 150 S Ulloa; two 1-story and basement frame dwelling.
Owner and Builder—W. P. Coles, 2335 29th Avenue.
Architect—None. each \$4000

ALTERATIONS

(496) 1308 RHODE ISLAND; alterations to raise dwelling; alter front, etc.
Owner—O. Gallagher, 1324 Rhode Island St.
Architect—None. \$1500

DWELLING

(497) E PRENTISS 100 S Tompkins; one-story and basement frame dwelling.
Owner—A. Lamberstein, 407 Banks St.
Architect—None. \$2700

DWELLINGS

(498) W 28th AVE. 175 N Kirkham; two 1-story and basement frame dwellings.
Owner and Builder—J. J. McDonough, 1226 17th Ave.
Architect—None. each \$4500

ALTERATIONS

(499) 33 POWELL ST.; alterations to store front.
Owner—Pign' Whistle Corp., 33 Powell Street.
Architect—C. F. Plummer, 1108 W. P. Storey Bldg., Los Angeles.
Contractor—Jack & Irvine, 74 New Montgomery St. \$15,500

DWELLING

(500) N WILDE 386 E Rutland; one-story and basement frame dwelling.
Owner—E. Speckhahn, 3517 16th St.
Architect—None.
Contractor—P. Fetz, 244 Wilde Ave. \$3000

DWELLINGS

(501) S CRESCENT 352 E College; one 1-story and basement frame dwellings.
Owner—St. Mary's Park, 3901 Mission. Plans by D. E. Jackle, 744 Call Bldg.
Contractor—A. R. Johnson, 3901 Mission St. each \$5000

DWELLING

(502) N RICE 175 W San Jose; one-story and basement frame dwelling.
Owner—E. Zatzmayr, 963 Brunswick.
Architect—None. \$3000

GARAGE

(503) 2251 GREEN ST.; one-story frame private garage.
Owner—Dr. Benj. Edgar, 2251 Green Street.
Architect—Linden, 604 Mission St.

Contractor—Mattock & Feasy, 210 Clara St. \$1500

DWELLING

(504) N BROAD 348 E Orizaba; one-story and basement frame dwelling.
Owners—Mr. and Mrs. A. F. Ledderhose, 256 Broad St.
Plans by the Builder.
Contractor—G. O. Bendon, 2266 29th Avenue. \$4000

DWELLING

(505) E 28th AVE. 300 N Moraga; 1-story and basement frame dwelling.
Owner—R. W. Michael, 1798 Moraga.
Plans by L. Hansbeury.
Contractor—Sala Bldg. Co., 1698 28th Avenue. \$5000

ALTERATIONS

(506) 3809 16th ST.; alterations to repair fire damage.
Owner—G. Murphies, 3809 16th St.
Architect—None. \$2500

ALTERATIONS

(507) 451 CORBETT AVE.; alterations to underpin dwelling.
Owner—W. O. Smith, 3583 16th St.
Architect—None.
Contractor—Pearson & Johnson, 2031 Bryant St. \$1000

DWELLING

(508) 41st AVE. 100 S Anza St.; one-story and basement frame dwelling.
Owner—J. Keenan, 290 Day St.
Architect—None. \$4000

BUILDING CONTRACTS

San Francisco County

No. Owner	Contractor	Amt.
76 Roman	Goodwin	59374
77 Mack	Anderson	3570
78 S P Co	Granfield	
79 Ledderhos	Bendon	5850

CONVENT

(76) GEARY ST. near 23rd Avenue; all work for convent building for St. Monica Parish.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—H. A. Minton, Underwood Bldg.
Contractor—T. B. Goodwin, 2350 Divisadero St.
Filed Apr. 21, '30. Dated Apr. 10, '30. Monthly payments of.....75%
Usual 35 days.....25%
TOTAL COST, \$59,374
Bond, \$59,374. Sureties, Fidelity and Deposit Co. of Maryland. Forfeit, \$50. Limit, Oct. 30, 1930. Plans and Spec. filed.
Permit applied for.

APARTMENTS

(77) W 25th AVE 100 N Kirkham W 120 x N 25; all work on bungalow apartment building.
Owner—Emil C. and Margaret Mack, 1701 Turk St.
Architect—John H. Powers and John H. Ahnden, 605 Market St.
Contractor—E. A. Anderson, 1177 De Haro St.
Filed Apr. 21, '30. Dated Apr. 17, '30. Enclosed & roof in place.....\$2392
Window frames set, rough plumbing in, & brown coated 2392
Completed and accepted.....2392
Usual 35 days.....2394
Bond, \$4790. Sureties, Alfred Kallman, Alfred E. Carlson. Limit, 90 days. Plans and Spec. filed.
GRADING
(78) VICINITY of 2nd and King Sts. bet. 1st and 2nd Sts.; grading for construction of yard tracks.
Owner—Southern Pacific Co., 65 Market St.

Architect—None.

Contractor—Granfield, Farrar & Carlin, 67 Hoff St.
Filed Apr. 23, '30. Dated Apr. 16, '30. Monthly payments of.....75%
Usual 35 days.....25%
TOTAL COST OMITTED
Bond, \$2040. Sureties, U. S. Guarantee Co. Limit, 60 days. Spec. filed. Map of district showing location filed.

RESIDENCE

(79) N BROAD ST. 348-3 E Orizaba E 49-6 x N 125; all work on one-story and basement frame residence.
Owners—A. F. and A. Ledderhose, 256 Broad St.
Architect—None.
Contractor—Geo. O. Bendon, 2266 29th Avenue.
Filed and Dated April 23, 1930.

Roof on	\$1462.50
Brown coated	1462.50
Completed	1462.50
Usual 35 days	1462.50
TOTAL COST, \$5850	

Limit, 120 days. Plans and Spec. filed. Permit applied for.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
April 18, 1930—E 27th AVE 218 N Noriega N 25 x E 120. Ernest H Watson to whom it may concern.	April 17, 1930
April 17, 1930—381 RALSTON AVE. E Padilla to whom it may concern.	April 17, 1930
April 17, 1930—SE MISSION ST 835 N Virginia Ave NE 25 x SE 132-6. American Trust Co to N Clark & Sons.	April 16, 1930
April 17, 1930—W ELLSWORTH 100 S Eugenia 210 Ellsworth. A L Gray to whom it may concern.	April 17, 1930
April 17, 1930—W 28th AVE 100 S Irving 25x120. John J McDonough to whom it may concern.	April 15, 1930
April 17, 1930—W 19th AVE 120 N California N 52 x W 120. H O Lindeman to WR Lindeman.	April 17, 1930
April 17, 1930—NW BUSH & Battery N 137-6 W 137-6 S 57-6 E 20 S 80 E 117-6. Shell Oil Co to McGilvray Raymond & Corp.	April 13, 1930
April 16, 1930—LOTS 18 and 19 BLK 2901 map subdiv No 4, Miraloma Park; Lot 2 Blk 2, map Heyman Tract No 2. Meyer Bros to whom it may concern.	April 15, 1930
April 16, 1930—S TOLEDO WAY 94 E Pierce E 31-3 to E line x S 77 to w line. D Goldstein to C T McGill.	April 15, 1930
April 16, 1930—NW VAN NESS AV and Greenwin 87-6xW 137-6. Marian Realty Co, Ltd to whom it may concern.	April 16, 1930
April 16, 1930—NW VIENNA 100 NE Italy Ave 25x100. Walter R Kolh to whom it may concern.	April 10, 1930
April 21, 1930—LOT 15 BLK 1 map R R Hd Assn No 2. H W and C M Rounce to whom it may concern.	April 19, 1930
April 19, 1930—W 15th AVE 50 N Wawona N 25 x W 90. Roy M Callaghan to whom it may concern.	April 17, 1930
April 19, 1930—1138-40 IRVING ST bet 12th Ave and Funston Ave 25x100. J L Kovacevich to G Holmes.	April 17, 1930
April 19, 1930—W FOLSON 225 N Stoneman, Antonio and Antoinetta Moreci to John Beck, Ray Allison.	April 10, 1930
April 19, 1930—S FRANCISCO 91-6 E Taylor. Florindo & Luigi Ratto to Thos R Sharnan.	April 10, 1930
April 19, 1930—S GREENWICH 106 E Divisadero 25x86-8 1/2. Luigi	April 10, 1930

Boalino to Thos R Sharman.....
 April 10, 1930
 April 19, 1930—S ALEMANY BLVD
 195-6 E Silver Ave. E and M W
 Listman to H Erickson.....

LIENS FILED

San Francisco County

Recorded Amount

April 17, 1930—N ALADDIN Terrace
 92-6 E Taylor E 22-6 x N 45. Roma
 Hardwood Floor Co vs A and T
 Cepparoni and Metropolitan Con-
 struction Company.....\$145

April 17, 1930—S MONTEREY Blvd
 110-5 E Balboa Terrace S 2 deg
 16 min W 195-95 E 60 N 2 deg 16
 min E 205-544 S 60-799. M E Jack-
 son as G B Jackson & Son vs S C
 and P Way and Geo F Barnett.....
 \$112.32

April 16, 1930—S MONTEREY Blvd
 dist 110-5 E Balboa Terrace W
 195-93 E 205-544 SW 60-799 to beg.
 Inland Floor Co vs Geo Barnett,
 Stuart C and Patricia Way.....\$457

April 16, 1930—NE FILLMORE and
 Herman N 43 E 81-3. San Fran-
 cisco Lumber Co vs H H and H
 M Vellano and R Paratore as In-
 dependent Const Co.....\$369

April 16, 1930—NE HERMAN and
 Fillmore N 43 E 81-3. Holmes
 Lime & Cement Co, \$22; Western
 Lime & Cement Co, \$35.93, vs H
 K and H M Vellano and R Parato-
 re as Independent Const Co.....
 \$119.65

April 18, 1930—W 33rd AVE 250 N
 Irving St N 25 x 120. W B Jef-
 ferson as The Greater City Lum-
 ber Co vs J C and A I Alzamora.....
 \$119.65

April 18, 1930—E 34th AVE 200 S
 Ulloa S 25 x E 120. Perfection
 Floor Co, \$70; E Rickshiem, \$290,
 vs Mrs N and R A Roche.....

April 18, 1930—6230 CALIFORNIA
 St. Enterprise Hardwood Floor
 Co vs Wm H Depew.....\$22.50

April 19, 1930—NE FILLMORE and
 Herman 48x81-3. H F Knoll vs
 H H and H M Vellano, and R
 Paratore as Independent Const
 Co.....\$110

April 18, 1930—S MONTEREY Blvd
 110-5 E Balboa Terrace S 2 deg
 16 min W 195-95 E 60 N 2 deg 16
 min E 205-544 SW 60-799. Phoenix
 Simpton Co vs S C and P Way
 and Geo F Barnett.....\$300

April 19, 1930—S MONTEREY Blvd
 110-05 E Balboa Terrace S 2 deg
 16 min W 195-95 E 60 N 2 deg 16
 min E 205-544 SW 60-799. Atlas
 Heating & Ventilating Co vs S C
 and P Way and Geo Barnett.....\$1250

April 21, 1930—S MONTEREY Blvd
 110-05 E Balboa Terrace W 195-
 95 S 10 E 60 E 205-544 SW 60-799.
 Scott Co, Inc vs George Barnett,
 Stuart C and Patricia Way.....\$1063.27

RELEASE OF LIENS

San Francisco County

Recorded Amount

April 15, 1930—W TWENTY-FIFTH
 Ave 100 S River S 25xW 120.
 California Construction Co to P
 J and Lena M Sullivan.....Partial

April 21, 1930—S ORTEGA 95 W 8th
 Ave W 25 x S 100. Nafe & Shep-
 ard, San Francisco Floor Co, H
 S Thompson, Inc, G B Jackson &
 Son, E W Wright & Co, Inc, San
 Bruno Terrazzo Co, S W Bait,
 Cooper Electric Co, Pacific Heat-
 ing Co, San Francisco Glass Co,
 Bode Gravel Co, Sands Water
 Heater Co to J G Lehman, Thos
 Hughes.....

BUILDING PERMITS

Alameda County

432 Hansen	Porter	5000
433 Rheem	Christensen	3500
434 Bonds	Owner	8000
435 American	Owner	2000
436 Berkeley	Owner	2500
437 Foster	Larmer	4900
438 McPherson	Owner	5000
439 Replogle	Beadell	3900
490 Thaten	Owner	3900
491 Underhill	Johnstone	2000
492 Cracknell	Owner	1000
493 White	Kingrea	1800
494 Croll	Owner	2600
495 Elgarten	Dyer	4000
496 Grothen	Owner	2500
497 Lincoln	Owner	2950
498 Standard	Owner	7000
499 Trimlett	Owner	4050
500 Alameda	Owner	1000
501 Justice	Owner	5000
502 Colman	Lloyd	1200
503 Gest	Owner	5000
504 Jensen	Owner	7000
505 Mathews	Kurtz	1987
506 Netherby	Owner	4000
507 Roman	Mealey	9000
508 Tyrell	Nylander	3700
509 Allegretti	James	4000
510 Boyle	Gilder	5500
511 Coleman	Prentice	1000
512 Graham	Owner	3500
513 Maurer	Dyer	3000
514 Smith	Martinsen	5000

STORES

(432) NO. 1605-07-09-11 TACOMA
 Ave., Berkeley. One-story Class
 C (4) store building.
 Owner—B T. Hanson, 1977 Hopkins
 St., Berkeley.
 Architect—C. L. Hughson, 1608 Stuart
 St., Berkeley.
 Contractor—J. R. Porter, 209 Amberst
 Ave., Berkeley. \$5000

GARAGE

(433) NO. 9 SEAVIEW AVE., Pied-
 mont. Garage and servants' quar-
 ters.
 Owner—D. L. Rheem, Premises.
 Architect—Alben Froberg, Ray Bldg.,
 Oakland.
 Contractor—H. J. Christensen, Ray
 Bldg., Oakland. \$3500

DWELLING

(434) 2420-22 HILGARD AVE., Berk-
 eley; two-story 10-room 2-family
 frame and stucco dwelling.
 Owner and Builder—Milton S. Bonds,
 1653 Scenic Ave., Berkeley.
 Plans by Owner. \$8000

ALTERATIONS

(435) NO. 1331 SIXTH ST., Berkeley
 Alterations.
 Owner—American Development Co.,
 Financial Center Bldg., San Fran-
 cisco.
 Architect—None. \$2000

ALTERATIONS

(436) NO. 1541 WARD ST., Berkeley
 Alterations.
 Owner—Berkeley School Department.
 Architect—None. \$2500

DWELLING

(437) N PINEWOOD DRIVE 100 W
 Caldwell, Oakland; two-story 6-
 room dwelling.
 Owner—E. C. Foster.
 Architect—None.
 Contractor—E. Larmer, 90 Fairview
 Ave., Piedmont. \$4900

DWELLING

(438) W ATLAS AVE, 300 S 35th
 Ave., Oakland; one-story six-room
 dwelling.
 Owner and Builder—W. A. McPherson,
 P. O. Box 804, Oakland.
 Architect—None. \$5000

DWELLING

(439) SE COR. EASTLAWN AND
 61st Ave., Oakland; one-story five-
 room dwelling.
 Owner—D. Ben Replogle, 940 Arling-
 ton Ave., Berkeley.
 Architect—None.

Contractor—Beadell and Lane, 909
 Spruce St., Berkeley. \$3900

DWELLINGS

(490) N DAMUTH 31 and 59 W La-
 guna St., Oakland; two 1-story 3-
 room dwellings.
 Owner & Builder—P. H. Thaten, 2550
 Damuth St., Oakland.
 Architect—None. each \$1950

ALTERATIONS

(491) 1326 E 26th ST., Oakland; al-
 terations.
 Owner—O. Underhill, 1321 E 26th St.,
 Oakland.
 Architect—None.
 Contractor—J. D. Johnstone, 1810 94th
 Ave., Oakland. \$2000

ADDITION

(492) NO. 3914 COLLIDGE AVE.,
 Oakland. Two-story addition.
 Owner—Ernest Cracknell, Premises.
 Architect—None. \$1000

ADDITION

(493) LOT 15, Sequoyah Road, Oak-
 land. Addition and one-story gar-
 age and storeroom.
 Owner—Walter T. White.
 Architect—None.
 Contractor—J. T. Kingrea, 4116 Ter-
 race St., Oakland. \$1800

DWELLING

(494) E 94th AVE. 50 S Olive Street,
 Oakland; one-story 4-room dwell-
 ing and 1-story garage.
 Owner and Builder—W. A. Croll, 5851
 Brann St., Oakland.
 Architect—None. \$2600

SERVICE STATION

(495) NW COR. FIRST AVE. and E
 12th St., Oakland; one-story steel
 service station.
 Owner—M. Elgarten.
 Architect—None.
 Contractor—Dyer Const. Co., 701 Ray
 Bldg., Oakland. \$4000

DWELLING

(496) N SUNNYSIDE ST. 60 W 108th
 Ave., Oakland; one-story 3-room
 dwelling.
 Owner and Builder—Mrs. B. Grothen,
 2101 108th Ave., Oakland.
 Architect—None. \$2300

DWELLING

(497) E 14th AVE. 100 NE 24th St.;
 Oakland; one-story 5-room dwell-
 ing.
 Owner—A. G. Lincoln.
 Architect—None. \$2950

FACTORY

(498) W ETTIE ST. 175 S 32nd St.,
 Oakland; one-story concrete fac-
 tory.
 Owner and Builder—Standard Acety-
 lene Gas Co., 671 61st St., Oakland
 Architect—Guy L. Brown, American
 Bank Bldg., Oakland. \$7000

DWELLING

(499) 4332 FLEMING AVE., Oakland;
 one-story 5-room dwelling and gar-
 age.
 Owner and Builder—Robert Fleming,
 4330 Fleming Ave., Oakland.
 Architect—None. \$4050

TRANSFORMER HOUSE

(500) WEST ALAMEDA TIDE
 land, Alameda. Reinforced con-
 crete transformer house.
 Owner—Alameda Airport, Inc., 555
 Howard St., San Francisco.
 Architect—Owner. \$1000

DWELLING

(501) NO. 2720 CALHOUN ST., Alameda. Two-story 6-room frame and stucco finish dwelling.
Owner—N. F. Justice, 973 Pearl St., Alameda.
Architect—None. \$5000

ALTERATIONS

(502) 450 E 14th ST., Oakland; alterations.
Owner—J. M. Colman, 450 E 14th St., Oakland.
Architect—None.
Contractor—J. A. Lloyd, 4015 Maple Ave., Oakland. \$1200

WAREHOUSE

(503) N 24th ST. 100 W Magnolia St., Oakland; one-story brick and concrete warehouse.
Owner and Builder—G. M. Gest, 503 Market St., San Francisco.
Plans by R. P. Davis, San Francisco. \$5300

APARTMENTS

(504) E MONTGOMERY ST. 100 N Ridgeway, Oakland; three - story 84-room apts.
Owner and Builder—A. Jensen, 4256 Suter St., Oakland.
Architect—None. \$70,000

ALTERATIONS

(505) 1880 SAN PEDRO AVE., Berkeley; alterations.
Owner—M. L. Mathews.
Architect—None.
Contractor—F. A. Kurtz, 364 41st St., Oakland. \$1987

DWELLING

(506) W PROCTOR AVE. 300 S Alta Road, Oakland; two-story 6-room dwelling.
Owner and Builder—W. A. Netherby, 3853 Lyman Road, Oakland.
Architect—None. \$4000

SCHOOL & CONVENT

(507) NW COR. PLEASANT AND Champion Streets, Oakland; three-story brick school and convent building.
Owner—Roman Catholic Archbishop, 3300 Fruitvale Ave., Oakland.
Architect—George C. McCrear, Hearst Bldg., San Francisco.
Contractor—Mealey & Collins, 666 Mission St., San Francisco. \$90,000

DWELLING

(508) NO. 832 GLEN DRIVE, San Leandro. Five-room frame and stucco dwelling.
Owner—Mr. Tyrell.
Architect—None.
Contractor—Nylander Bros. \$3700

GARAGE

(509) E 35th AVE. 12 N Salsbury, Oakland; one-story brick garage.
Owner—J. Allegretti, 2145 35th Ave., Oakland.
Architect—None.
Contractor—J. C. James Const. Co., 2300 87th Ave., Oakland. \$4000

DWELLING

(510) E CORONADO 100 N 49th ST., Oakland; one-story 6-room dwelling and two 1-story garages.
Owners—Robt. and Edwin Boyle.
Architect—None.
Contractor—Floyd Van Gilder, 2125 Hearst Ave., Oakland. \$5500

SERVICE STATION

(511) NW COR. E 14th ST. and 5th Ave., Oakland; one-story steel service station.
Owner—J. N. Coleman, NW corner E 14th St. and 5th Ave., Oakland.
Architect—None.
Contractor—George D. Prentice, 2063 Webster St., Oakland. \$1000

DWELLING

(512) W EASTMAN AVE. 67 S Penhman Ave., Oakland; one-story 6-room dwelling.
Owner and Builder—S. H. Graham, 2834 Eastman Ave., Oakland.
Architect—None. \$3500

SERVICE STATION

(513) SW COR. 4th AVE. and Foot-hill Blvd., Oakland; one-story steel service station.
Owner—J. M. Maurer, 4215 Piedmont Ave., Oakland.
Architect—None.
Contractor—Dyer Const. Co. \$3000

GARAGE & SHOP

(514) N E 14th ST. 50 E 17th Ave., Oakland; one-story brick garage and shop.
Owner—A. W. Smith, 1722 E 14th St., Oakland.
Architect—None.
Contractor—Jack Martinson, 1722 E 14th St., Oakland. \$5000

BUILDING CONTRACTS

Alameda County

60 Southern No. Owner	Clinton Contractor Amt.	5290
62 Replogle	Lane	3900
63 Washington	Peterso	52666
64 Fisher	Matheyer	6980

DWELLING

(62) LOT 1 BLK 11, Eastlawn, Oakland; general construction on 5-room dwelling and garage.
Owner—D. Ben Replogle, 940 Arlington, Berkeley.
Architect—None.
Contractor—R. Beadell and George J. Lane, 909 Spruce St., Berkeley.
Filed Apr. 17, '30. Dated Apr. 8, '30.
When rafters are up.....\$75
First coat of plaster.....975
When completed.....975
Usual 35 days.....975
TOTAL COST, \$3900
Limit, 90 days.

GYMNASIUM

(63) CENTERVILLE, Calif.; general construction on 1-story reinforced concrete gymnasium building.
Owner—Washington Union High School District of Alameda County.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Geo. Petersen, 1841 Bancroft Ave., San Leandro.
Filed Apr. 18, '30. Dated Apr. 11, '30.
Monthly payments of.....75%
Usual 35 days.....Balance
TOTAL COST, \$53,666
Bond: Performance, \$26,833; Labor, etc., \$26,833. Sureties, Pacific Indemnity Co. Limit, 125 days. Plans and Spec. filed.

RESIDENCE

(64) LOT 6 BLK B, Anderson Tract, Oakland; general construction of dwelling and moving old residence.
Owners—August H. and Mary Fischer, 2833 75th Ave., Oakland.
Architect—None.
Contractor—L. B. Matheyer, 2178 Bird-sall, Oakland.
Filed Apr. 23, '30. Dated Jan. 2, '30.
Deed to certain lots.....\$6530
Deed of Trust for.....450
TOTAL COST, \$6980

COMPLETION NOTICES

Alameda County

Recorded	Accepted
April 18, 1930—LOT 261, Unit No 2 Avenue Terrace. A M Berg to whom it may concern.....April 18, 1930	
April 16, 1930—NE EAST 12th ST & 42nd Ave, Oakland. P A Wads-	

worth to W C Marshall.....April 16, 1930
April 17, 1930—PTN LOT 3 BLK 10, Highland Manor, Oakland. Belle Wesolo to W A Netherby.....April 17, 1930

April 16, 1930—PTN LOT 42, Lakeshore Manor, Oakland. Dorothy P Olsen to Leo J Dolan.....April 9, 1930
April 16, 1930—LOT 3 BLK D, Durant Manor, Oakland. W R and M Ella Oakley to whom it may concern.....April 14, 1930

April 22, 1930—P-N LOTS 10 and 11 Blk 27, Warner Tract, Oakland. August Roseberg to whom it may concern.....April 21, 1930

April 22, 1930—2402 E 27th ST, Oakland. Frank Puccio to whom it may concern.....April 21, 1930

April 22, 1930—SW SHATTUCK Ave and Kittredge St, Berkeley. The City of Berkeley to E Bowman.....April 22, 1930

April 21, 1930—700 E 24th St, Oakland. Chris Dietz to Preston Dietz.....April 19, 1930

April 19, 1930—LOT 18 BLK 17, Iveywood Extension, Oakland. H E Johnson to whom it may concern.....April 17, 1930

April 19, 1930—FOURTH AND Cedar, Berkeley. Sears Roebuck & Co to Lindgren & Swinerton, Inc.....April 15, 1930

April 19, 1930—NO. 711 SPRUCE ST., Berkeley. Erick King to whom it may concern.....April 18, 1930

April 19, 1930—NO. 4646 SUMMIT Ave., Oakland. John F Pollard to P R Haulman.....April 17, 1930

April 19, 1930—PTN LOTS 7 AND 8 Blk 59, Subdiv No. 1, Park Place Oakland. E D Swift to whom it may concern.....April 19, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
April 17, 1930—LOT 5 BLK D Excelsior Heights, Oakland. Clinton Mill & Lumber Co vs Herbert E Hofvendahl.....	\$4,264.04
April 17, 1930—LOT 1 BLK D map of Lots C and D, Flint Tract, Oakland. California Door Co vs Ernest Stores.....	\$1,238.50
April 17, 1930—LOTS 10, 11 and 12 and ptn Lots 9, 12 and 14 Blk 144, Kellersberger's Map of Oakland, Oakland. K C Shurick vs Retail Center Garage, Ltd, Barnett & Hipp.....	\$2,000
April 17, 1930—420 HAWTHORNE ST Oakland. Victor Devight vs Chris C and Daisy Riewerts, Thos G Jacques, Antone Pessagno.....	\$150
April 16, 1930—PTN LOT 10 BLK C Case Tract, Berkeley. O T Mahanay vs Lillian M McNeill.....	\$37.15
April 16, 1930—1722 EXCELSIOR Ave, Oakland. Sunset Lumber Co vs Marie Alice Johnson R B Maurice.....	\$128.15
April 18, 1930—LOT 3 BLK N, ppty of the Pioneer Homestead Assn, Alameda. P H Schoenfeld vs Emil and Josephine Ichtors.....	\$187.5
April 18, 1930—LOT 3 BLK D, Resub of Blks C and D, Flint Tract, Oakland. Concrete Eng Co, Inc vs Ernest Flores.....	\$244
April 18, 1930—LOT 3 BLK D, Resub of Blks C and D, Flint Tract, Oakland. Grinnell Company of the Pacific vs Ernest and Edna P Flores, J E Burns.....	\$380.41
April 18, 1930—LOT 10 BLK R, 4th Avenue Terrace, Oakland. Tilman Mill & Lumber Co vs Marie and Harry R Johnson and R Maurice.....	\$250.18
April 19, 1930—LOT 15 BLK 2, Berkeley Heights, Berkeley. Tilden Lumber & Mill Co vs F H Felt.....	\$1002.50
April 19, 1930—LOT 17 and S ½ Lot 18 Blk 20, Map No. 8, Regent's	

Park, Albany. Tilden Lumber & Mill Co vs Russell H Felt.....\$548.50
 April 13, 1930—LOT 70, Buena Vista Homestead, Oakland. Melrose Building Material Co vs Chris C and Daisy Riewerts; Antone Pescagno and F Flenner.....\$789.32
 April 22, 1930—LOT 3 BLK N, ppty of the Pioneer Homestead Assn, Alameda. Richmond Sanitary Co vs Emil and Josephine Ichters, P H Schoenfeld.....\$1636.16
 April 22, 1930—715 CARMEL AVE, Albany. W L Garanty vs R Felt.....\$128
 April 22, 1930—SE LINE FOURTH AVE 152 ft 6 in. Grinnell Co of the Pacific vs C A and E Christ and J Berns.....\$615.81
 April 21, 1930—LOTS 28 and 29 BLK 25, map No 6 of Regents Park, Albany. Berkeley Building Materials Co vs Emily V Holtkamp, John Doe Martin.....\$58.27
 April 21, 1930—LOT 17 and S ½ Lot 18 BLK 20, Regents, Park, Albany. Superior Title & Products Co vs Russell H Felt.....\$100
 April 21, 1930—LOT 70 Buena Vista Tract, Oakland. Concelo-Fixture Co vs Chris C and D Riewerts, T J Jacques.....\$628
 April 21, 1930—LOT 3 BLK D, Subdiv of Blks C and D of Flint Tct, Oakland. Maxwell Hardware Co vs A and T Flores.....\$730.69

RELEASE OF LIENS

Alameda County

Recorded Amount
 April 18, 1930—LOT 25 BLK 1, Arlington Heights, Berkeley. J C Brockhurst to W H and Dorothy G Hooper.....\$424
 April 16, 1930—SE TWENTY-THIRD AVE and E-22nd St., Oakland. C T Peterson to P M Falconer; H E McArthur and F M and R Miraglio.....\$52

BUILDING CONTRACTS

SAN MATEO COUNTY

CLUB HOUSE
 MILERA. All work for furnishing and installing ceramic tile at club house.
 Owner—Union League Golf & Country Club, San Francisco.
 Architect—Willis Polk Co., 277 Pine St., San Francisco.
 Contractor—Ginsberg Tile Co., 540 Turk St., San Francisco.
 Filed April 16, '30. Dated April 11, '30
 Progressive payments of.....75%
 Usual 35 days.....25%
 TOTAL COST, \$2540
 Bond, none. Limit, August 6, 1930.
 Forfeit, none. Specifications only filed.

PAINTING ON ABOVE.

Contractor—D. Zelinsky & Son, 165 Grove St., San Francisco.
 Filed April 16, '30. Dated April 11, '30
 Payments same as above.....
 TOTAL COST, \$3150
 Bond, limit, forfeit, plans and specifications, none.

RESIDENCE

LOT 1, BREWER TRACT, Hillsborough. All work for two-story frame and stucco residence and garage.
 Owner—Michael C. Casserly.
 Architect—Willis Polk & Co., 277 Pine St., San Francisco.
 Contractor—C. H. Bessett Alias, Elenora Dr., Woodside Heights, Redwood City.
 Filed April 18, '30. Dated April 17, '30.
 As work progresses.....75%
 Usual 35 days.....25%
 TOTAL COST, \$20,780
 Bond, none. Limit, Sept. 1, 1930.

Forfeit, none. Plans and specifications filed.

BUILDING

SANTA CLARA ST., Redwood City. All work for building.
 Owner—James C. Somerville, 416 Cherry St., San Bruno.
 Architect—None.

Contractor—Robert B. Bowen.
 Filed April 17, '30. Dated Jan. 30, '30
 Roof on.....\$1062.25
 Plastered.....\$162.25
 Completed.....\$162.25
 Usual 35 days.....\$162.25
 TOTAL COST, \$2429.00
 Bond, none. Limit, 90 working days after Jan. 30, 1930. Forfeit, none.
 Plans and specifications, none.

ALTERATIONS

NO. 733 WALNUT ST., Burlingame. All work for alterations and additions to two-story frame and stucco building.
 Owner—E. C. Kester, Premises.
 Architect—Jas. H. Mitchell, 277 Pine St., San Francisco.
 Contractor—C. H. Bessett Bldg. Co., 826 Walnut St., Burlingame.
 Filed April 16, '30. Dated Mar. 4, '30.
 As work progresses.....75%
 Usual 35 days.....25%
 TOTAL COST, \$3965
 Bond, limit, forfeit, none. Plans and specifications filed.

RESIDENCE

LOT 5 BLK 8, Fairway of Emerald Lake. All work for one-story frame and stucco residence.
 Owner—D. Cerrelli, San Francisco.
 Architect—G. A. Berger, 309 Valencia St., San Francisco.
 Contractor—P. J. Phelan, 74 Macondry St., San Francisco.
 Filed April 16, '30. Dated April 15, '30.
 Frame up.....\$1500
 Brown coated.....1500
 Completed.....1500
 Usual 35 days.....1500
 TOTAL COST, \$6000
 Bond, \$3000. Sureties, Thos. McCormack and John Smyth. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$7000; No. 227 Warren Road Asst. Por. Lot 171, San Mateo; owner and contractor, H. L. Dupont.
 ALTERATIONS, \$1000; Lot 1 Blk 1, 805 Prospect Row, San Mateo; owner, Geo. Chrossi, Premises; contractor, Chas. G. Czapkay.
 RESIDENCE, \$5000; Lot 12 Blk 13 Blk 11 Freedmont and Ninth Aves., San Mateo; owner and contractor, Bert Fensley, 1417 B St., San Mateo.
 RESIDENCE, \$4000; Lot 2 Blk 21, E 9th St., San Mateo; owner, and contractor, Lengfeld & Olund, 145 El Camino Real, San Mateo.
 OFFICE and warehouse, \$18,000; San Mateo Dr. and Peninsula Ave.,

San Mateo; owner, San Mateo Feed & Fuel Co., San Mateo; contractor, S. A. Wisnom, 140 S. Ellsworth St., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
April 7, 1930—LOT 29 BLK 58, Dumbarton Oaks, San Mateo. S J Monckton to James B Rixen.....	April 15, 1930
April 15, 1930—LOTS A TO J, Inc. Blk D. Menlo Heights. Alice G Levison to William Martin.....	April 4, 1930
April 16, 1930—LOT 4 BLK 4, Milbrae Highlands. John W Palderman et al to whom it may concern.....	April 15, 1930
April 16, 1930—LOTS 13 & 14 BLK 4, Central Park, Redwood City. Ina B Fertig to J W Cabbage.....	April 11, 1930
April 17, 1930—LOT 59, Hillsborough Oaks. Harriet Peter et al to David Bros.....	April 17, 1930
April 17, 1930—LOT 5 BLK 21, Vista Grand. B C Ross to whom it may concern.....	April 7, 1930
April 17, 1930—WOODSIDE HIGHLANDS. F E Holms to Richard Coombs.....	Jan. 2, 1930
April 17, 1930—LOT 35 BLK B, Southern Hillside, San Mateo. August J Rocca to whom it may concern.....	April 10, 1930
April 18, 1930—STATION 595+596, Menlo Park. State of California to Hanson Bros.....	April 14, 1930
April 18, 1930—STATION 594+60.43, Road IV-S. M. 2-B, Menlo Park State of California to Hanson Bros.....	April 14, 1930
April 19, 1930—LOT 1 BLK 20, East San Mateo. Ashley S Powers et al to whom it may concern.....	April 17, 1930
April 21, 1930—LOT 3 BLK 3, North Falo Alto. James L Lambert to Roy A Held.....	April 19, 1930
April 21, 1930—PART LOTS 12 & 13 Blk 9, East San Mateo. Gerhard Burns to James Horn.....	April 21, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
April 15, 1930—LOT 12 BLK 13, Salada Beach. J H Kruse vs H L Vonda.....	\$133.79
April 19, 1930—PART LOT P, Selby Tract, San Mateo. Malott & Peterson vs Harry East Miller et al.....	\$359.70

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Accepted
Full to C S Cary et al.....	
April 15, 1930—LOCATION NOT	

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COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
April 14, 1930 — SACRAMENTO.	
Southern Pacific Co. to whom it may concern. (moving station building platform and toilet to new location).....	April 2, 1930
April 17, 1930—W 1/2 Lot 7 and E 1/2 Lot 8, G. H. 12th and 13th Sts., Sacramento. Austin J Brennan et al to whom it may concern.....	April 14, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
April 14, 1930—LOT 57, Beyerford Heights, Sacramento. F A Clark vs Thomas and Eva M McMahon.....	\$258
April 14, 1930—N 60 FT. LOT 1, I, J 8th and 9th Sts. known as Hotel California, Sacramento. C R Radio Laboratory vs Joseph Greenbach.....	\$1909.42
April 14, 1930—LOT 156, Boulevard Terrace, Sacramento. H O Adams vs Clarence H and C E Smith.....	\$23
April 16, 1930—LOT 57, Beyerford Heights, Sacramento. H C Martin vs Thomas McMahon.....	\$275
April 16, 1930—LOT 156, Boulevard Park, Sacramento. J P Habrecht (as Hobrecht Lighting Fixture Co) vs Clarence H and Clarence E Smith.....	\$150
April 17, 1930—LOT 156 Boulevard Park known as 613-615 21st St., Sacramento. Wm A Rapp & Co vs C E and Clarence H Smith.....	\$45

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$1000; No. 824 University Ave., Fresno; owner, D. Bidegaray, Premises; contractor, Fisher & McNulty, Mattel Bldg., Fresno.	
ALTERATIONS and additions, \$1000; No. 1402 Van Ness Ave., Fresno; owner, L. E. McAlroy, Premises; contractor, Fisher & McNulty, Mattel Bldg., Fresno.	
STATION, service, \$4000; No. 354 N-Fresno St., Fresno; owner, Arthur Schorling, 2505 Washington St., Fresno; contractor, Irwin & Hopkins.	
DWELLING and garage, \$4000; No. 2817 Van Ness Blvd., Fresno; owner, R. E. Larson, 1332 Andrews St., Fresno; contractor, A. R. Eklund, 1332 Andrews St., Fresno.	
DWELLING, \$2000; No. 2619 Thomas Ave., Fresno; owner, W. H. Richmond, 1233 Farris St., Fresno.	
DWELLING, \$3000; 3666 Nevada Ave.; owner, A. W. Cooper.	
DWELLING, \$16,500; 666 Home Ave.; owner, Herbert Levy, 647 N Van Ness Ave.; contractor, Dan Shorb.	

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
April 17, 1930—Exten to PULLMAN car shed. Southern Pacific Co to Standard Const Co.....	April 15, 1930
April 19, 1930—LOT 16 W 20 ft. Lot 17 Bk 2, College Addition, Fresno A G Lampases to whom it may concern.....	April 18, 1930
April 21, 1930—LOTS 42 AND 43, Olive Terrace, Fresno. L C Musselman to whom it may concern.....	April 14, 1930

LIENS FILED

FRESNO COUNTY

Recorded	Accepted
April 15, 1930—E 1/2 LOT 2 Sec 27, 31-21, Fresno. A B Pretzer vs Mary K Miller and Geo Bazluk \$304	
April 18, 1930—LOT 7 Bk 18, Alta Vista Terrace, Fresno. J A Venard vs Robert G Binyon.....	\$107

CONTRACT IS LET FOR

TERMITE PROOF RESIDENCE

The first residence in central California ever to be erected designedly to resist the attacks of subterranean termites, is to be built at once on Ashfield Road, Atherton, San Mateo County, by Mrs. Winfield Scott of San Francisco. A contract was signed yesterday with Charles M. Hinds, Redwood City contractor, and construction begins this coming week. The site is between the Southern Pacific Depot and the Highway.

The house itself will be of English style of architecture and will consist of seven rooms, a sun room, servant's room and garage. The roof will be of red cedar shakes.

The precautions against the subterranean form of termites are limited to the space between the foundation and the level of the first floor.

The foundation, of concrete, will be run up two feet above the level of the ground. Immediately above the foundation, heart redwood will be used. The nudsills will be 2 by 6, the underpinning 3 by 4, and the first floor joists will be 2 by 12. The sub-floor on the first floor will be tongue and groove redwood of the same grade. All of the redwood will be absolutely free from sap and from loose and large knots.

"I do not know so much about termites and what they will do or what woods they will attack and what they do not like," said Hinds yesterday, "but the construction idea comes from Mr. Scott. It amounts to just this:

That no wood other than heart redwood shall be presented toward the ground. Above the first floor, of course, the usual Douglas fir construction will be followed.

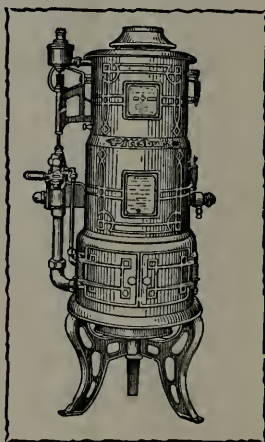
The plans include the construction of an open concrete terrace at one corner in the rear, and even here and at the front steps it is provided that there shall be no possibility of exposure to the attacks of the subterranean form of termites.

"There will be about three feet clearance between the unexcavated portion of the site and the first floor joists," Hinds continued. "I am told that subterranean termites, when they go up into wood, must have moisture from the ground and to get it they build runways or tubes upward. If these tubes are destroyed the termites literally die of thirst. Hence the provision for plenty of space below the first floor so that every portion of the sub-structure may be examined whenever desired. I am told that heart redwood has proved to be particularly resistant to the attacks of the insects and what Mrs. Scott will have is what amounts to an armor of this wood."

On account of the character of the wood and further on account of the ease with which every part of the sub-structure may be examined, inside and out, it has not been thought necessary to include the metal plates or shields under the nudsills which termites experts in southern California have recommended.

Many of the builders and architects of the peninsula district are already informed as to the termite-resistant feature of the specifications and operations from the foundation to the first floor will be closely watched by them.

Recommendation that the name of Southern California Chapter, American Institute of Architects, be changed to Los Angeles Chapter, has been presented by the committee on Institute and Chapter affairs. This change will not be acted on until the November meeting.



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Thirtieth Year. No. 18
Published Every Saturday



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Building and Engineering News

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Issued Every Saturday

SAN FRANCISCO, CALIF., MAY 3, 1930

Thirtieth Year, No. 18

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone KEARNEY 1252
J. E. FARRELL, Editor
J. O. ODERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

SEEK COLLEGE MEN TO FILL RANKS OF INDUSTRY

The annual recruiting campaign to fill the ranks of industry with college-trained men is now in full blast, says the Business Week. Each spring, a surprisingly large number of industrial concerns visit the colleges of the country for the purpose of selecting from the spring graduating class individuals suitable for absorption in industry.

There are about 148 accredited engineering schools in the country with total enrollment of about 65,000. Some 10,000 men and women are being graduated each spring from engineering courses; about half in mechanical or electrical engineering. Last year, the demand for engineering graduates by industry was greatly in excess of supply. This year, reports indicate, the situation is better balanced.

J. E. Walters, of Purdue, president of the National Association of Placement and Personnel Officers, stated that the averaged monthly starting rate for engineering graduates of Cornell, Carnegie and Purdue has been \$137.50 for the past 3 years.

COMMERCIAL ART OFFERED BY U. OF C.

Public demand for new designs, streamline models and finer luster is responsible for the great demand for persons who can draw or design.

That is the observation of Leonard Gay Stevenson, who for the past several years has been engaged in teaching hundreds of University of California Extension Division students the principles of commercial art.

"Every American man and woman of today appreciates beauty and demands it is all his major possessions," states Stevenson, "and every manufacturer is beginning to realize this."

Stevenson's method of teaching is not academic and is not a series of lectures. In this regard he says, "I teach first the problem of anatomy, but also I try to teach the students that below the surface of things, his mind has arranged these facts he is looking for and that, as a result, he has a consciousness capable of recognizing certain forms. It is these forms that enter into the drawing. The idea in the mind is the pattern; pushed to a subconscious mind, and knowing it thoroughly gives the result in drawing. Therefore, the student has only to observe facts and then put them into action."

A new course in commercial art which will deal particularly with advertising needs will be started next Wednesday by Stevenson, Extension officials state. This class will be held at 540 Powell St., San Francisco

APRIL BUILDING IN SAN FRANCISCO TOTALS \$1,356,653

San Francisco building operations during the month of April, 1930, involved an expenditure of \$1,356,653, according to figures compiled by John B. Leonard, superintendent of the Bureau of Building Inspection of the Department of Public Works. During the month 587 permits were issued.

In April, 1929, Leonard's records show 659 permits for improvements valued at \$2,816,146.

During the past four months, Leonard reports, 2,276 permits were issued for developments involving an expenditure of \$7,435,010 as compared with 2,372 permits for the corresponding period in 1929 when the money expenditure registered \$10,609,692.

Following is a report of the April, 1930, activities:

Class	No. P'mts	Est. Cost
Class A	2	\$ 134,374
Class B	11	46,245
Class C	132	640,672
Frames	439	360,548
Alterations	1	79,525
Public Buildings	1	20,000
Harbor Buildings	1	75,289
Government Bldgs.	1	
Total	587	\$1,356,653

STANFORD UNIVERSITY PLANS 10-YEAR BUILDING PROGRAM

A 10-year building program, contemplating expenditures totalling \$1,035,000, to provide more extensive accommodations for the athletic activities of the university is outlined in the annual report of the Stanford Board of Athletic Control.

The 10-year building program, the report explains, was adopted provisionally, "with the understanding that no expenditures, except those already acted upon, are authorized by this action, and that each item of construction must be approved by the board in detail, and the necessary expenditures authorized, before construction can begin."

The 10-year building schedule as provisionally adopted follows:

1928-29—Golf course.....	\$ 100,000
1929-30—Women's gym.....	225,000
Swimming pools	105,000
Baseball diamond	15,000
Gold course facilities	25,000
1930-31—Golf Club House.....	30,000
1931-32—Stadium	125,000
1932-33	
1933-34—Stadium	150,000
Basketball	100,000
Playground	10,000
Handball	30,000
1934-35	
1935-36—Squash courts	60,000
1936-37—Tennis courts	25,000
Resurfacing old courts.....	10,000
Boxing, wrestling	25,000
1937-38	
Total	\$1,035,000

LUMBER EXPORTS FROM VANCOUVER TO U. S. SHOW INCREASE

Declared exports of manufactured lumber to the United States from the Vancouver, British Columbia, consular district for the first three months of 1930 totaled 110,297,000 board feet valued at \$1,971,782 as compared with 18,521,000 board feet valued at \$1,696,534 during the same period of 1929.

Shipments for March, 1930, exceeded those of March, 1929, by 4,395,000 board feet, valued at \$59,489. This information is contained in a report to the Lumber Division of the Department of Commerce from Vice Consul Sidney A. Belovsky, Vancouver.

Exports of fir, hemlock, pine and miscellaneous species of lumber for the first three months of 1930 exceeded those of the first three months of 1929.

Shingles shipped to the United States from this district in March, 1930, amounted to 100,518,000, valued at \$377,118, while shipments in March, 1929, totaled 158,322,000 valued at \$674,278. Exports of shingles to the United States in February, 1930, totaled 103,715,000 valued at \$361,326.

Shipments of lumber by water from Vancouver to Atlantic ports in the United States during March totaled 3,727,813 board feet, and from Canada as a whole 4,397,140 board feet, according to advices to the Lumber Division from Trade Commissioner E. G. Babbitt.

CONSTRUCTION HALTED ON PICKERING LUMBER PROJECT

Work on the Pickering Lumber Co.'s woods headquarters at Hacamore, in the western part of Modoc county, and on the big sawmill plant at Alturas will be suspended for a short time as the result of the recent death of W. A. Pickering, founder and president of the company.

This is according to an announcement by W. C. Garrett, Alturas, manager of the company, on his return from Kansas City, where Pickering died.

Garrett says the board of directors will meet in the near future to elect a new head of the organization, and that at that time plans will be made for the future operations in Modoc County.

The death of Pickering occurred at a time when the company's operations were going ahead rapidly. The big sawmill plant at Alturas is about 90 per cent complete, work is well under way on the woods town of Hacamore and many miles of spur railroad is in the course of construction through the immense holdings of the company.

Officials intimate there will be no radical change in the plans of the concern since the loss of its former head.

Pickering had a deep personal interest in the Modoc County operation and spent as much time as possible on the ground personally supervising the installation of the new \$3,000,000 plant at Alturas.

RIGHTS AND LIABILITIES OF THOSE CONCERNED IN EXCAVATIONS

An Interpretation and Explanation of Common and Statute Law Governing Liabilities and All Concerned in Excavations Affecting the Property of Others.

Reprint of this article was suggested by Felix H. Spitzer, Consulting Structural Engineer in the Bureau of Building Inspection of the City and County of San Francisco.

He calls special attention to the fact that local conditions relating to "Rights and Liabilities" in the case of excavations are governed by Common Law only, as expressed in California Code, Par. 832, under the heading "Lateral and Subjacent Support" and reads as follows:

"Each coterminous owner is entitled to the lateral and subjacent support which his land receives from the adjoining land, to make proper and usual excavations on the same for purposes of construction, on using ordinary care and skill, and taking reasonable precautions to sustain the land of the other, and giving previous reasonable notice to the other of his intention to make such excavations."

Neither San Francisco Building Code nor the Oakland Building Laws include any ordinances relating to excavations and therefore the limitations existing under the Statute Law of New York do not apply.

The Los Angeles Building Ordinances have provisions similar to the New York laws except that twelve feet is fixed as the "standard depth" to which the Common law applies, instead of ten feet. Any person excavating to a greater depth assumes all liabilities.

The legality of this latter ordinance though, in the absence of a similar State law, is being questioned.—Editor.

(By Nathan Young*, Member New York Bar, In Engineering News Record)

*Mr. Young is well qualified to discuss the important question of rights and liabilities of all concerned in excavation work, holding both civil engineering and law degrees, being a member of the New York Bar and having made a special study of contract and engineering law.—Editor.

Liabilities of Excavator

Under Common Law—The owner of adjacent land in its natural state (unburied by a structure) is entitled to lateral support of his property. Courts have generally held that excavator using reasonable care and precaution is not responsible for damages to adjoining structures.

Under Statute Law (New York)—In excavations more than 10 ft. in depth below curb, owner of land under excavation must underpin or protect adjacent structures. In excavations not exceeding 10 ft. in depth below curb, owners of adjacent structures must underpin or protect their own property.

Almost every construction job commences with an excavation. Many end in a lawsuit. The controversy frequently arises out of the violation by the excavator of the rights of neighboring landowners. The engineer who is in charge of the job will determine in the majority of cases whether his client, who may be either the owner or the contractor, will be precipitated into a lawsuit by the manner in which he prosecutes his work.

These lawsuits often involve heavy legal expenses, and sometimes substantial judgments against the owner or contractor or both. These the owner or contractor may avoid by the careful and intelligent observation on the part of the engineer of the rights of the adjoining owners. It is highly important, therefore, that the engineer know where the rights and liabilities of his client and those of the adjoining owners are.

Common Law

We derive from the English law, on which our common law is largely based, a fundamental rule that the owner of land in its natural state—that is, unburied by a superstructure—is entitled to the lateral support of his property. This is a right that

goes with the land and may not under any circumstances be violated.

Thus, if A should excavate on his property and thereby cause the adjoining land in its natural condition to slide into the excavation, he is liable for any damages his neighbor may sustain thereby, regardless of whether or not he is guilty of negligence in excavating on his own land.

This is a simple legal proposition covering simple facts. Under modern conditions, however, particularly in crowded cities where almost every inch of ground is covered by a building, a very different problem arises.

An owner desiring to excavate on his own land finds himself bounded on both sides by buildings. Does the right to lateral support of land in its natural condition apply as well to the building with which it is encumbered? If so, the excavator will find himself burdened with a heavy duty, for in that event he becomes the guarantor of the safety of the adjoining buildings and must properly underpin or protect them to avoid any possible damage. The courts have been very reluctant to impose such an obligation on the excavator, although in some decisions they approach it closely.

On the other hand, does the existence of a building on the land of the adjoining owner abolish entirely his right to lateral support and permit the excavator to proceed with his excavation within the boundaries of his land, disregarding absolutely any possible damage his neighbor may sustain? In our very early decisions we find judicial opinion sustaining such procedure for the reason that one who erects a building on his land may not thereby limit his neighbor, who should desire to improve his land, in the use thereof.

As we go down the line of American decisions we find the courts gradually adopting a far more reasonable attitude. They have very wisely applied to these cases an old maxim of law, "Sic utere tuo ut alienum non laedas," which means, "So conduct yourself as not to cause another injury."

How far does this limit the excavator? What obligations does this impose upon him?

A familiar expression of the courts is that the excavator must be reason-

ably careful and prudent in the prosecution of his work. This does not mean that he must support the adjoining building, but is rather in the nature of a restraint against wanton and reckless conduct on the part of the excavator.

Assuming, now, that the excavator is careful and diligent in the prosecution of his work but the adjoining land nevertheless is damaged, is he liable therefor? His liability depends on whether the adjoining soil slides by reason of the excavation or by reason of the weight of the superstructure. In the former case, the decisions almost uniformly hold that the excavator is liable for the injury to the land, but not for the injury to the building. In the latter, the excavator is liable for neither the damage to the land nor the damage to the superstructure.

Whether the adjoining land has subsided by reason of the excavation or by reason of the weight of the superstructure is very often difficult to determine and sometimes cannot be satisfactorily decided because of expert but conflicting testimony of engineers. Failure of the excavator to exercise reasonable care and diligence makes him liable for all damage to the adjoining land and superstructure provided the caving in of the adjoining soil was caused by the excavation and not by the pressure of the superstructure. This situation is stated before, often difficult to determine.

In the leading Michigan case of Gilderleeve against Hammond, decided in 1896, the court held that the jury in rendering a verdict against the excavator for damage to the adjoining land and building was justified in finding that the adjoining land fell by reason of the excavator's carelessness. The facts were as follows:

The plaintiff had erected on his land a building on a foundation which was 20 to 24 in. below grade. The wall of this structure was 4½ ft. from the line dividing the plaintiff's and defendant's lots. The defendant excavated to this division line about 7 or 8 ft. deep. The soil was a mixture mainly of sand and gravel. As the excavation proceeded downward, the adjoining soil between the division line and the building began to fall away from the foundation and into the excavation. This the excavator carried away as quickly as it fell into the foundation. The building, laid bare, caved in, carrying with it the wall and the entire building.

Rules Governing Liability

The court, in approving the verdict of the jury, suggested that the excavator in this case might have avoided the subsidence of the soil and the consequent damage to the building by excavating and building his wall in sections or by sheeting to keep the soil in place. The court formulated certain rules governing the liability of the excavator which in a general way cover the question very concisely and clearly. They are as follows:

1. While a landowner has the undoubted right to excavate close to the boundary line, he must take reasonable precautions to prevent his neighbor's soil from falling.
2. If he has taken such reasonable precautions and yet the soil falls from the pressure, he is not liable for the injury to the land, but not for any injury to the superstructure.
3. If the pressure of the superstructure causes the land to fall, he is not liable for injury to either the land or the superstructure.
4. If he fails to take such reasonable precautions to protect his neighbor's soil and to preserve it in its natural state, he is liable for the injury to both the land and the superstructure. If the pressure of the superstructure did not cause the land to fall and it fell in consequence of the

failure to take such reasonable precautions.

The next question that logically presents itself is, What is meant by reasonable prudence and care or reasonable precaution as the term is used by the court in the decision quoted above? This is a difficult question to answer, because the courts themselves, to whom we look for the solution, seem to be indefinite and uncertain about the matter.

In the recent case of Christensen against Mann, decided in Wisconsin in 1925, the court with reference to this matter said:

"The excavator cannot proceed with violent methods that will unnecessarily endanger his neighbor's building, nor can he use antiquated or disapproved methods." But the court finally concludes, "Degree of care in each particular case depends largely upon the peculiar facts and circumstances and physical conditions in each case."

This is not entirely satisfactory as a guide, and requires examining the law as to particular acts necessary to absolve the excavator from a charge of negligence.

First and most important is the manner of making the excavation. The methods that have apparently received approval of the courts in numerous opinions are either to excavate and build the foundation wall in sections or to erect a shoring to keep the adjoining soil in place. These are precisely the methods suggested in the Michigan case quoted above.

Under our judicial decisions, the courts almost uniformly have refused to impose on the excavator the burden of underpinning the adjoining walls and compelling to do so by statutes which are in force in some states.

Another element of prudence and care required of the excavator is to give timely warning to the neighboring landowner so that the latter may have an opportunity to protect his building, and the courts have upheld this requirement in a long line of decisions.

Knowledge on the part of the adjoining owner of the nature and extent of the excavation will be necessary to give notice. But mere knowledge of the proposed excavation is not sufficient, for it does not necessarily imply that the adjoining owner is aware of the nature and extent of the excavation, which he must necessarily know in order properly to protect his building.

A further point of which the courts frequently speak and which must be borne in mind is that the giving of notice does not relieve the excavator of the duty to use reasonable care and diligence in making the excavation.

The excavator, having completed his excavation in a careful manner, has not directly discharged his obligation, for in many cases damage has arisen out of the negligent maintenance of the excavation. In the early New York case of Austin against the Hudson River Railroad Co., decided in 1852, the excavator began operation in October or November, 1851. The evidence indicated that the excavation might have been completed in two or three weeks, but it was not completed until August, 1852. The excavation was carried to within 4 ft. of the plaintiff's warehouse, but was entirely confined to the land owned by the defendant. After the excavation was completed, work was suspended from time to time for considerable periods, leaving the plaintiff's building exposed without protection against water and ice. Piles were driven by the defendant after the excavation, but they were driven in such a manner as to crack the walls of the plaintiff's building. This, together with the action of the water in undermining the plaintiff's build-

ing, caused the wall to fall. The excavator was held liable for the negligent manner in which he maintained the excavation.

Condition of Adjoining Buildings

Another element that frequently enters into the question of the liability of the excavator is that of the condition of the adjoining building. It has happened that buildings injured by excavation of adjoining land were originally in a defective and damaged condition. What in such case is the liability of the excavator? In the case of Walker against Strossner, decided in West Virginia in 1910, the court speaks of the liability for injury to defective buildings as follows:

Defectiveness or weakness in it does not justify negligence or reckless conduct on the part of the adjoining owner in altering the condition of his property or excuse him from liability for injury occasioned thereby. He is governed by the condition of the building as he finds it, and must conduct his operations accordingly, for these conditions have been previously and rightfully made. To hold otherwise would give one adjoining owner the power to determine what sort of a building his neighbor should erect or in what state of repair he should keep it. Defects in the building may be such as contribute to this injury in case of the removal of the adjoining earth, but the act of constructing it in an unskillful manner or allowing it to become defective would not be the proximate cause of the injury if it could be deemed negligence. There would be two causes of injury in such case, but the negligence of the excavator would not take reasonable precautions for the safety of the building, however defective it might be, would be the last cause of the injury, the nearest in time and therefore the proximate cause. Defectiveness of the injured building may mitigate the damages, but it does not bar the action for the injury.

Who Is Liable?

Our discussion has thus far covered the acts which create liability. Let us now look into the question as to who is liable for such acts.

It is usual for the owner to employ a contractor to make the excavation. The work may result in damage to the adjoining land and building. Assuming that the circumstances are such as to create liability for this damage, it is important to know whether the owner is liable or not. The contractor, who caused the damage, is primarily liable. Generally, if the owner hires a skillful and careful contractor, who agrees to perform the work in a workmanlike manner, and if the work can be performed without injury to the adjoining property and there are no defects in the plans, he is not liable for any injury due to the contractor's negligence.

Many cases, however, arise in which not all of these conditions are present. In such cases we find that the owner is liable for the damage. The opinion written by the court in the case of Walker against Strossner, supra, quotes from other opinions the circumstances under which the owner becomes liable. Some of these are:

If the owner actually controls the manner of doing the work, he makes himself liable. If the injury results directly from the acts called for or rendered necessary by the contract and not from acts which are merely collateral to the contract, the owner is liable as if he himself had performed such acts. If the resulting injury was such as might have been anticipated as the probable consequence of his work directed to be done, the owner is liable whether he prescribed the mode of doing the work or not.

The owner is liable when the contract prescribes not only the thing to be done but also the manner in which

the work is to be executed and the contract does it in the manner so specified, for then the will of the owner controls, and he directs and orders the injurious and wrongful act, if it is wrongful.

Statutes Supersede Common Law

In many cities and states, ordinances and statutes have been enacted providing for stricter regulation of excavations and imposing heavier duties on excavators. This was a logical and natural development as a result of the erection of tall and costly buildings in very close proximity to one another in our crowded cities.

Most ordinances and statutes are very much similar to the New York City ordinances, which we shall here consider briefly. Paragraph 230 of the Building Code reads in part as follows:

1. **Safeguarding Generally**—Until provision for permanent support has been made, all excavations shall be properly guarded and protected so as to prevent the same from becoming dangerous to life or limb and shall be sheet piled, braced or shored, where necessary to prevent the adjoining earth from caving in, by the person causing the excavation to be made.

2. **When Retaining Wall Is Required**—When an excavation is made on any lot, and provision for the support of adjoining earth is not otherwise in accordance with law, the person making such excavation or causing it to be made shall, at his own cost and expense, except as may be provided in Art. XI of this chapter or as hereinafter provided in this section, build a retaining wall to support the adjoining earth, and such retaining wall shall be carried to the height of the adjoining earth and be properly protected by coping.

Art. XI of the Building Code referred to deals with partition fences and walls, and retaining walls in general.

In all other respects these sections are self-explanatory. We now come to the more important clauses covering the protection of adjoining buildings. The ordinance continues to read:

3. Support of Neighboring Walls.

(a) **When Excavation Exceeds 10 Ft.**—Whenever an excavation is intended to be or shall be carried to the depth of more than 10 ft. below the curb, the person causing such excavation to be made shall at all times, if afforded the necessary license to enter upon the adjoining land, and not otherwise, at his own expense, preserve and protect from injury any wall, building or structure, the safety of which may be affected by said excavation, and support the same by proper foundations, whether the said wall, building or structure is down more or less than 10 ft. below the curb. If the necessary license is not accorded to the person making such excavation, then it shall be the duty of the owner refusing to grant such license to make such wall, building or structure safe, and to support the same by proper foundations, and when necessary for that purpose, such owner shall be permitted to enter upon the premises where such excavation is to be made.

(b) **When Excavation Does Not Exceed 10 Ft.**—If such excavation is not intended to be or shall not be carried to a depth of more than 10 ft. below the curb, the owner of any wall, building or structure, the safety of which may be affected by said excavation, shall preserve and protect the same from injury and support the same by proper foundations, and when necessary for that purpose shall be permitted to enter upon the premises where such excavation is to be made. In case such wall, building or structure, however, is so located that the curb to which it is properly referred is at a higher level than the curb to which

the excavation is referred, such part of any necessary underpinning or foundation as may be due to the difference in curb level shall be made and maintained at the joint expense of the person causing excavation to be made and the owner of such wall, building or structure.

Since the enactment of this ordinance the judicial opinions in many New York cases have construed its meaning.

How Courts Have Construed Ordinance

The ordinance has been held to apply only to the owner of the land under excavation. The courts have construed the clause, "person causing such excavation to be made," in the property excavated. In the case of Gordon against Hedden Construction Co., decided in 1915, the court held that contractors and subcontractors are not liable under this section of the Building Code.

The common law, as developed by the judicial decisions which we have discussed in detail, still applies to the contractor and subcontractor who are liable if, by reason of negligence on their part, the adjoining land and building are injured.

In several recent decisions, the courts have construed the word "contiguous" in the ordinance to mean "near to" or "in close proximity to." The adjoining building therefore, which may be separated from the land excavated by a small strip of land, is nevertheless contiguous to the land excavated within the meaning of the ordinance.

Under the common law, the excavator was under no obligation to shore up or underpin the adjoining walls. Having received notice of the excavator's intent to excavate, the duty fell upon the owner of the adjoining building to underpin his own walls. The obligation of the excavator was merely to exercise reasonable care and prudence in making the excavation. The statute has radically changed the law in this respect. When the excavation is intended to be or is actually carried down more than 10 ft. below the curb, the ordinance requires the owner of the land excavated, when permitted to do so, to support the adjoining walls at his own expense.

The filing of plans for an excavation more than 10 ft. below the curb has been construed as the expression of an intention to carry the excavation more than 10 ft. down and is sufficient to create liability on the part of the owner of the land excavated in the event of damage to the adjoining building and failure to underpin the same, even though the excavation is actually 10 ft. or less deep. If the owner should decide to excavate 10 ft. or less, after having filed plans for an excavation of more than 10 ft., it is therefore advisable for him to file amended plans to that effect.

The reverse of this situation appears in the case of Rosenstock against Laue, decided in 1910, wherein the defendant entered into a contract with one Duffy to make an excavation on the defendant's land of 10 ft. below the curb. Duffy proceeded with the excavation and carried it to a depth lower than 10 ft. below the curb, injuring the plaintiff's adjoining wall, which the defendant had not supported. The defendant claimed that it was its intention to excavate only 10 ft. deep and if the excavation exceeded that depth the wrong was done by the contractor. The court held that the owner is liable if the excavation is carried to a depth of more than 10 ft. regardless of the fact that the work was done by the contractor.

In the case of Post against Kerwin, decided in 1909, the court held that liability of the person causing the excavation to be made, under this ordi-

nance, for damage to an adjoining wall because of failure to underpin and properly protect it, is absolute and entirely independent of any question of negligence.

Modern conditions make the provisions of this ordinance very wise and salutary. It is quite obvious that in cities where structures involving a cost of millions of dollars are erected, the law ought to place every possible reasonable safeguard about them. Such laws will doubtless in due time become universal in the United States. In those states, however, where such statutes have not yet been enacted, the common law still governs.

SETBACK BUILDING LINES FAVORED BY LOS ANGELES COUNTY

Los Angeles County is seeking the co-operation of various municipalities within the county in the establishment of setback building lines on all major and secondary highways in order to avoid costly condemnation proceedings in connection with street-widening projects in the future. This plan was recommended by the County Regional Planning Commission. The board of county supervisors has issued an order for the preparation of the necessary ordinances establishing setbacks in county territory, and several of the municipalities have signified their intention to pass similar ordinances applying within their limits. It is estimated that this method will effect a saving in street-widening operations varying from \$300,000 a mile on country highways to \$1,000,000 a mile on city thoroughfares.

NEW ORGANIZATION TO BACK INTERNATIONAL HIGHWAY

Plans for a permanent organization for the advancement of the proposed International Highway, which will traverse the western sections of both North and South America, were perfected at a recent meeting at Portland, Oregon, attended by delegates from all the coast states, Alaska and Canadian provinces, according to the California State Automobile Association, which is supporting this project. Arrangements were made for holding meetings at an early date in all the states, Canadian provinces, Alaska and South American countries of all parties and organizations interested in highway matters for the purpose of selecting three representatives from each district who will meet later in the summer and perfect the permanent organization.

For this purpose, Charles D. Garfield of the Chamber of Commerce, Seattle, Washington, was selected to arrange for the meeting in the state of Washington; Dr. E. B. McDaniel, president, Oregon State Motor Association, Portland, was appointed for Oregon; and Standish Mitchell, manager, Automobile Club of Southern California, Los Angeles, was appointed for California.

STONE-WEBSTER EARNINGS

For the nine months ended March 31, 1930, Stone & Webster, Inc., reports net consolidated earnings, including those of subsidiaries supplying engineering and construction service to utilities, of \$5,860,563. Of this sum \$2,027,516 was profit carried direct to surplus on securities acquired on organization from the predecessor Massachusetts corporation and sold within the period. These earnings were equivalent to \$4.65 a share on the 1,258,981 shares outstanding at the end of the period.

HERE — THERE — EVERYWHERE

Engineering students at North Carolina State College, Raleigh, have organized the Construction Engineering Society and have made application for a charter as the first student chapter of the Associated General Contractors of America.

Directors of the El Dorado Irrigation District have ordered surveys made with a view to increasing the height of the Weber Creek Dam in El Dorado County an additional 6 ft. above the present 80 feet. Construction will involve an expenditure of approximately \$350,000.

Advocating a guarantee against strikes in the building constructor industry as being of paramount importance in carrying out of the present program in effect in Boston, Mass., to reduce unemployment and stimulate industry generally, Mayor James M. Curley of that city recently stated that during 1923 the greatest building program ever fulfilled in Boston was possible only because of the existence of a labor-employer anti-strike truce in effect at that time. Municipal work included in the construction program for Boston during the present year will exceed \$10,000,000, according to figures published.

An endeavor to secure the repeal of the recently enacted Apartment House statute in the State of Florida is being made by the St. Petersburg Apartment Owners' Association. The law which is being contested in the courts of the state in at least one instance places a tax of 75 cents on each room in an apartment house which has more than two rooms, and a tax of 50 cents an each bath room in such house. It also levies a county tax of 50 per cent of the foregoing levies.

SANTA BARBARA COUNTY PLANS BUILDING CODE

A building code for all Santa Barbara county outside of incorporated cities and based on the one being compiled for all California by the State Chamber of Commerce is expected early next year by L. Deming Tilton, Santa Barbara, executive officer of the county planning commission.

Among the organizations cooperating with the state chamber of commerce in preparing the state building code are the American Society of Civil Engineers, the American Institute of Architects, the Associated General Contractors and the Pacific Coast Building Officials Association.

MORE GLASS BUILDINGS

An editorial appearing in the Chicago Evening American quotes Fran Lloyd Wright, Chicago architect, as saying that he will build a glass office building in Chicago and eight glass apartment houses in New York City. He declares that glass buildings, on the cantilever principle of construction, are three times stronger, one third lighter and at least a third cheaper than those of other materials. Opaque glass will give privacy and exclude surplus light. The ultraviolet rays of the sun will be admitted, bringing health to office workers and apartment house dwellers. He also predicts a revolution in construction methods, and by inference, thus not saying in as many words, a bright future for the glass blowing industry.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

During the year 1929 there were 125 new grade crossings constructed in California, and 96 existing grade crossings were abandoned, leaving a net increase of 29 grade crossings for the year, according to a report compiled by Transportation Division of the Engineering Department of the Railroad Commission. The total number of class A grade crossings over main or branch line railroads at the end of the year was 12,340.

During the year 34 crossings were constructed as a result of main line railroad extensions, these being on the, new Southern Pacific line between Alturas and Klamath Falls. There were 41 crossings opened as the result of branch line construction, while 75 crossings of this class were abandoned because of discontinuance of branch lines. Abandonments thus practically offset new construction over main and branch line railroads. Second main tracks were constructed across four highways during the year, while 23 sidings were constructed, and three were abandoned. A total of 82 spur tracks were constructed across highways, while 15 were abandoned.

During the year 50 highways and roads were constructed across existing lines of railroad, while 10 such crossings were abandoned as the result of highway changes. In addition, 11 crossings were closed by reason of grade separations.

The number of grade separations constructed or reconstructed was 23. Of these projects five resulted in replacing 11 existing grade crossings. Eight were built as the result of new highway construction not eliminating existing grade crossings, and 10 were relocations or reconstruction of existing grade separations.

For the protection of new or existing grade crossings, there is installed during the year 186 automatic wig-wags. Many of these were installed at crossings heretofore unprotected; some were additional wig-wags at crossings already having one wig-wag, while others were replacements of the locomotive type crossing bell with wig-wags. One set of automatic gates was installed at Burbank for experimental purposes. Two sets of flood lights for illuminating train movements on spur track crossings and heavily traveled thoroughfares were installed, and one set of automatic traffic signals for the protection of a railroad crossing located at the intersection of two city streets was constructed.

New orders of fabricated structural steel in March, as reported to the U. S. Department of Commerce by the principal manufacturers were 62 per cent of capacity as compared with orders of 69 per cent of capacity in February, and 93 per cent a year ago. Shipments of fabricated-structural steel in March represent 69 per cent of the capacity of firms reporting this item as against 73 per cent in February, and 72 per cent a year ago.

Opportunities for developing home modernizing business are not confined to large towns. The lumber dealers in Sycamore, Ill., a town of 5000 population, undertook a campaign in 1929 in co-operation with the Home Modernizing Bureau. About 40 modernizing jobs, averaging approximately \$1,500 each, were completed last year.

"The rapid growth of building and loan associations in recent years and their excellent record of safety and achievement has no parallel in the financial history of this country," says J. M. Abbott, President of the California Building-Loan League. "Up to the time of the war the growth of these associations for the promotion of thrift and home ownership was slow but regular. Their growth since has been exceedingly rapid. The number of associations has increased 70 per cent of a total of 12,666; the membership has increased 200 per cent, reaching a total of 11,995,905; and the resources have increased 332 per cent to a grand total of \$3,016,034,327.

"The original motive for organizing building and loan associations was to promote home ownership by lending financial assistance. The methods by which this financial assistance is repaid is another reason for their increasing popularity.

"Just as the building and loan associations were the first to introduce installment buying of wealth through their system of monthly payments on shares and certificates, so they were the first to introduce the amortization plan of mortgage, under which a loan is paid off on monthly basis, part of the payment being applied to the reduction of principal and the rest to interest.

"It is estimated that of the 26,500,000 families in the United States, of which 46 per cent are home owners, 25 per cent have purchased their homes through building and loan.

"There are no institutions better equipped than building and loan associations to help carry out President Hoover's effort to stimulate a buying movement, creating employment, and developing more conservative outlets for safe investments. All associations have strongly endorsed President Hoover's modernization plan. This not only provides an outlet for an association's ready funds, but will greatly aid the business prosperity of the country, stabilize realty values, as well as adding to the comfort and happiness of hundreds of home owners."

The practice of paying a dismissal wage to workers discharged through no fault of their own is finding increasing application in industry according to an article in the April issue of the Monthly Labor Review. Although the principle of the dismissal wage has not yet gained wide acceptance, it has been adopted recently by a number of firms which were obliged to dismiss workers because of changes in production methods, curtailed production, plant mergers, or for other reasons over which the workers themselves had no control. While the dismissal wage does not contribute materially to the solution of the unemployment problem it is of very real assistance in giving the dismissed worker an opportunity to conduct a wider search for a new job or to adjust himself to his reduced income. It may also have the effect of reducing unemployment in the individual plant by curbing any tendency on the part of the employment manager or foremen to discharge employees for insufficient reasons.

A study of the modernizing opportunities for dealers in the attics and basements of old homes, made by the National Lumber Manufacturers Association, shows that in an average six-room house of about 23,750 cubic feet enclosed by walls and roof only about 15,000 cubic feet are given over to space used for such common domestic occupancy as resting, eating, sleeping, recreation, entertainment, cooking and the like. Of the remaining 8750 feet, 5600 are found in the average cellar or basement and about 3150 in the attic. This space in many houses is not fully utilized. Many home owners will be glad to convert the unused space in their attics and cellars into useable rooms.

According to word from Southern California, effective May 1 union painters in Los Angeles and several nearby cities will operate on the five-day week basis. The same will apply to Santa Monica, Long Beach and several other outside points, with negotiations on with employers in Pasadena that are reported to be looking very promising. There will be no change in the wage scale.

In the last ten years 49 new public schools were erected in San Francisco and recently the Board of Education approved plans for a 50th structure. The fifty buildings, fashioned from steel, stone and concrete, represent an investment of \$17,418,814. In the same period 22 old school buildings, representing an investment of \$800,000, were abandoned or wrecked and three other buildings, costing \$225,000, were remodeled at a cost of \$50,000, and converted to other uses.

Arc welding, instead of riveting, proved its worth during the construction of an addition to the Westinghouse Research Laboratories at East Pittsburgh, Pa. The original laboratory building is full of delicate recording instruments, fragile glassware used in tests and apparatus that is sensitive to the slightest shock. The constant thud of riveting hammers, engineers say, would have put much of this apparatus out of commission. While the steel beams and uprights were being welded together, tests and experiments were conducted in the laboratories without the loss of a single working day.

M. A. Diskin, attorney general of Nevada, says aliens are not allowed by the Nevada laws to hold a contract or sub-contract for the construction of highways. The opinion was asked by William Royle, state labor commissioner. The attorney general held the granting of contracts or sub-contracts on highway work to aliens is barred by the amendments to the state statutes approved by the 1929 legislature.

Highway construction throughout the country will be speeded-up to the extent of at least \$100,000,000 a year by the bill increasing Federal Aid appropriations from \$75,000,000 to \$125,000,000 annually, which has just been signed by President Hoover.

Hereafter bids will be taken on three types of paving under proceedings for improvement of city streets in San Bernardino, it is announced by Mayor John C. Ralphs Jr. Contracts will be awarded for the type of paving selected by the property owners after bids have been received. City Engineer A. H. Lowe is preparing specifications for concrete, asphalt and macadam pavements on which bids will be asked.

TRADE NOTES

The Byers Machine Co., Ravenna, Ohio, announces the appointment of Edward R. Bacon as its sales representative in San Francisco and Northern California. The Bacon Company will handle the entire Byers line.

Trackson Co., Milwaukee, Wis., has appointed the Edward R. Bacon Co. its distributor in the San Francisco territory, and the Olympic Machinery Co., Seattle, Wash., distributor for the State of Washington.

Pacatome Co., Kohl Bldg., San Francisco, has issued several bulletins dealing with the use of diatomite for increasing the plasticity, impermeability and uniformity of concrete.

R. F. Wells, formerly manager of the West Turlock Lumber Co., is now owner of the Ingewood Lumber Co. at Ingewood. He was former vice-president of the Northern District of the California Retail Lumbermen's Association.

The Metals Manufacturing Co., Ltd., makers of patented "Won-Piece" roof flashings, has completed a year of experimental work to make a one-piece roof flashing, and are now ready to put this new product on the market. This new concern is located at 912 Howard Street, San Francisco.

The Hild Floor Machine Company of Chicago, Illinois, manufacturers of floor machines, recently opened a branch office and warehouse at 557 Market St. A stock of floor machines and equipment is carried for distribution in this territory under the direction of Wm. J. Winter.

Braun-Steeple Co., affiliates with Braun & Company, manufacturers of ornamental iron products with headquarters in Chicago and New York, has leased property on Potrero Ave., between Eighteenth and Nineteenth Sts. on which will be erected a two-story reinforced concrete structure to house offices and plant.

W. E. Bear of W. E. Bear Company announces his concern has been appointed wholesale distributor for the Penn Metal Co. of Parkersburg, West Virginia, for California and Nevada territories. A complete line of metal products will be warehoused here. Bear states he intends opening a new warehouse in Oakland in conjunction with the Nephi Plaster & Manufacturing Company and the Utah Lime & Stone Company.

March orders for structural steel amounted to 238,000 tons or 92 per cent of capacity, against 276,000 tons or 19 per cent in February and 338,950 tons or 92 per cent in March, 1929, according to the Department of Commerce. Shipments during March totaled 276,000 tons, against 292,000 in February and 277,290 in March, 1929. For the first quarter structural orders totaled 772,000 tons, against 897,050 tons in 1929. Shipments totaled 812,000 tons.

ALONG THE LINE

J. C. Hewitt Jr., city engineer of Hawthorne, Calif., has submitted his resignation to the city council.

Test borings for the \$15,000,000 highway toll bridge between Pablo Point, Contra Costa County, and Eels Point, Marin County, have been started by the Duncanson-Harrelson Eng. Co.

L. M. Whitehouse, city engineer of Honolulu, T. H., is in San Francisco for an extended vacation and announces upon his return to the islands he will take with him a bride, Mrs. Ella Foster Watson. The time and place of the wedding are yet to be determined.

Chas. K. Mohler, 66, consulting and valuation engineer, died at his home in New York April 13. Death was due to a heart attack. Mr. Mohler was chief engineer of the Board of Public Utilities of Los Angeles in 1912 and assisted in the construction of many of the country's railroads and street railway systems.

George Wilhelm, former vice-president and general manager of the East Bay Water Company, has been named Commissioner of Public Works of Oakland, succeeding William H. Parker. Wilhelm's appointment came in a resolution introduced to the city council by Mayor John L. Davis and unanimously adopted. The appointment is effective May 1.

William T. Virgin, for a quarter of a century a lumber dealer and mill operator in Northern California and Nevada, died in San Francisco April 11. Virgin, at the time of his death was vice-president of the Clover Valley Lumber Company operating at Loyalton, Calif. He was formerly vice-president of the Verdi Lumber Company and was one of the organizers of the Tonopah Lumber Company.

NEW FORM OF STREET PETITION FOR SAN DIEGO

A new form of petition for street improvements in San Diego will be prepared by the city manager and city attorney under instructions voted by the city council as the result of an investigation of alleged irregularities in signing of petitions for certain street improvements. The new form will contain several columns in the blank spaces, one for the name of a record owner of property and the other for the name of a contract owner. The council decided that the property owner who is to pay for the improvement is the one to sign the petition.

The council also agreed that the engineer's office must furnish the estimated cost of the work. Should there be an improvement district, all property owners in the district will have a chance to sign the petition. The council also decided that a property owner who once signs a petition will not be permitted to sign a remonstrance. In other words, the owner's name on a petition will not be considered on a protest.

The heading of the petition will say: "Read carefully before signing." Also on the petition will be the notation, "the city engineer's office does not circulate petitions."

TRADE LITERATURE

A new handbook of "Maximum Spans for Joists and Rafters" has been published by the National Lumber Manufacturers Association for the guidance of architects, engineers and contractors and carpenters. Spans tables are given for joists of various sizes and spacing and with different live loads for plastered as well as unplastered ceilings, and for deflection limited to 1-360th of an inch and as determined by bending. There are also tables for maximum spans of ceiling joists and attic floor, joists, rafters and roof joists. A complementary table deals with the area of cross section, weight per lineal foot, moment of inertia and section modulus of American standard dressed sizes of normal timber sizes—from 2x4 up to 24x30 inches. A forward explains the use of the tables and shows how their application to species and grade of lumber may be determined by the local building code or by reference to the forthcoming "Working Lumber Manufacturers Association in its construction information series. Copies may be had upon application to the National Lumber Manufacturers Association, Washington, D. C.

BERKELEY PLANT PLANS HUGE EXPANSION

Announcement of plans to build a \$1,000,000 plant on the block bounded by 8th, 9th, Gilman and Camelia Sts., Berkeley, is made by the B. F. Sturtevant Company, manufacturers of ventilating equipment, now located at 2530 Sixth street, that city. The announcement followed a visit to the West Coast by E. N. Foss, head of the firm.

According to the plans made known by C. C. Hardy, Pacific Coast manager, the first unit of what will ultimately be a \$1,000,000 plant will be begun within the next three years, to be completed by 1933, when the lease on the present plant, which has proved inadequate to meet expansion needs, expires. The new factory is planned to cover 50,000 square feet of floor space and will employ between 100 and 150 men. Additions to the unit now under consideration will be made when increasing business warrants the expansion.

The B. F. Sturtevant Co. is a subsidiary of the V. B. F. Sturtevant Co., with headquarters in Boston.

P. C. McNEVIN DIES

Peter C. McNevin, general sales manager of the Pacific Lumber Company, died suddenly April 27 on the steamship California, enroute from New York to San Francisco. McNevin was president of The Pacific Lumber Company of Illinois and general sales manager of the Pacific Lumber Company, the parent company. He was born in San Francisco March 27, 1888. He was first employed by the Pacific Lumber Company, at the age of 15, in their San Francisco yard office. In 1907, he was moved to the Oakland yard, as order and shipping clerk and shortly after, he became assistant superintendent, then superintendent, and later rising to the position of manager.

VALUATION OF BUILDING PERMITS IN 22 CITIES*

	First 3 Months, 1930	First 3 Months, 1929	March, 1930	February, 1930
New York City.....	\$83,761,789	\$360,517,000	\$36,232,000	\$23,306,389
Los Angeles	20,053,841	27,600,403	7,045,931	3,897,054
Chicago	15,452,900	42,474,200	4,597,800	5,400,600
Detroit	12,802,260	23,508,329	5,230,050	3,578,291
Cincinnati	12,714,438	6,687,375	6,267,980	3,523,975
Philadelphia	12,270,215	32,346,123	6,864,490	2,685,800
Seattle	10,460,085	10,400,415	2,615,810	2,594,850
Boston	7,987,404	13,234,025	2,780,766	2,369,785
Baltimore	7,909,680	8,257,080	2,531,160	2,781,720
Milwaukee	7,787,010	7,920,093	2,297,762	4,076,292
Cleveland	6,835,775	8,120,175	1,469,925	2,334,650
San Francisco	6,078,357	7,793,551	3,502,312	1,144,062
Pittsburgh	3,877,465	6,433,539	1,753,623	1,421,702
Houston	3,766,289	9,885,497	1,352,985	2,246,891
Atlanta	3,467,371	4,666,658	2,115,848	694,723
Buffalo	3,464,960	2,965,903	1,131,610	628,560
Kansas City	2,784,125	2,633,300	1,276,225	1,187,550
Indianapolis	2,253,368	3,413,093	817,098	926,467
St. Louis	2,417,561	7,339,911	1,168,231	961,982
Minneapolis	1,931,535	3,291,370	824,655	544,110
Dallas	1,920,487	3,056,203	795,645	589,012
New Orleans	1,347,865	5,469,997	847,063	186,428
Totals	\$236,095,780	\$589,104,746	\$93,528,999	\$66,075,903

*Compiled by F. W. Dodge Company.

QUANTITY SURVEYORS ELECT OFFICERS IN ST. LOUIS

C. L. Weeks of Los Angeles was elected first vice-president of the American Institute of Quantity Surveyors at the annual convention held in St. Louis, Mo., April 14th, 15th and 16th. The annual convention next year will be held in Cincinnati, Ohio, the last week of May or the first of June.

Other officers elected at the St. Louis meeting were: Oscar Euphrat, Cincinnati, Ohio, re-elected president; Mr. Irwin, second vice-president; F. E. Dischner, Detroit, re-elected secretary; F. Brofos, St. Louis, treasurer.

BUILDING TRADES FIND IT PAYS TO MODERNIZE

Figures recently compiled prove that home modernizing saved the building trades in Minneapolis from a loss in 1929. Had it not been for additions and repairs to old buildings, the total amount expended for building construction in that city would have fallen far below the 1928 figure. As it was, a gain over the preceding year is shown for 1929.

According to data gathered by the Builders' Exchange of Minneapolis there was an actual drop in the construction of new buildings of all types in the city in 1929 of \$1,557,315, as compared with 1928. On the other hand, there was an increase in additions and repairs, due to modernizing, of \$1,596,760, making a balance in favor of last year of \$39,445. The total spent for modernizing in 1928—\$2,207,055—grew to \$3,504,355 in 1929. So impressed are the building and material men with these figures, which have opened their eyes to the valuable service rendered by the Home Modernizing Bureau, that the board of directors have made the modernizing bureau an activity of the exchange.

AWARDS MADE FOR STEEL BRIDGE DESIGNS

Three students at the University of Illinois won the three cash prizes of \$130 offered by the American Institute of Steel Construction for the most beautiful design of a steel bridge submitted by architectural students. These prizes, amounting to \$500, \$300, and \$100 respectively, were made through the Beaux-Arts Institute of Chicago. A total of 160 students enrolled in the competition and submitted sketches in the preliminary judgment. The problem called for a design of a steel bridge of 650 feet total length and with a main arch span of 325 feet.

The prizes were awarded at the final judgment to George D. Reher, first; Russell O. Deeter, second, and Don P. Ayres, third, all of the University of Illinois.

U. S. STEEL WILL SPEND TWO HUNDRED MILLIONS

Myron C. Taylor, chairman of the Finance Committee of the United States Steel Corporation, informed stockholders at their annual meeting April 21 that the company had appropriated \$200,000,000 for plant improvement and extensions. The money will be expended during the current year.

Taylor said the financial and business situation "is basically sound and we can face the future with a feeling of assurance, confidence and safety."

"We witnessed last year very great readjustment in the securities market," he said, "which to an extent was bound to occur, but which ran beyond its proper point in readjustment."

He expressed the belief that most needed and inevitable readjustments had been completed.

TO LICENSE 3,000 ENGINEERS UNDER NEW STATE REGULATION

"Approximately 3,000 application forms, along with complete information designed to guide applicants in the correct procedure for becoming registered and licensed as civil engineers, have been mailed out by the Board of Registration for Civil Engineers. Additional forms are being sent out as names are received." It is stated by James F. Collins, director of the State Department of Professional and Vocational Standards, in his report to the Governor's Council.

"More than 300 bona fide applicants for registration and license have filed their formal applications, together with the required fees and additional application blanks, properly filled out, are being received daily. More than 200 applicants have been tentatively approved for certification, and the work is progressing satisfactorily. It was estimated that, with the completion of the task now confronting the board, approximately 3,000 civil engineers will be registered in California.

"Until July 1, 1930, all successful applicants for license will be registered without examination, except those who are unable to qualify under the one year's residence clause in the law. After that date it will be necessary for applicants to undergo such examinations as are prescribed by the board.

Contractors' Registration

"Under the contractors' registration act the machinery designed to care for all investigation activities is being developed rapidly and is functioning more efficiently as time and experience provide the necessary information on which to base forms of procedure.

"As a first step in the investigation of complaints lodged with this section against contractors and subcontractors, all parties to the complaint are called for preliminary conferences, at which time complete statements are obtained, together with all available data and evidence bearing on the case. All data so gathered is submitted to the Registrar of Contractors and, as evidence in the cases justify, official hearings are set.

"The registration of contractors in California under the act reached a total of 13,227 on March 15, 1930, with applications for registration and li-

cense continuing to flow into central office at a satisfactory rate.

"Of 22 cases involving complaints filed with the contractor's registration section, during a recent period, eight were dismissed for lack of cause, four were adjusted by agreement, two are pending for further investigation, one pending for decision, two pending for conference. Two have been deemed sufficiently serious to be set for official hearing by the registrar. In three cases, licenses were suspended for failure on the part of those complained of to appear for conference.

Architects' Registration

"Southern District—Four licenses issued to architects in the Southern District in February brought the total up to 706. Investigations resulting from complaints numbered four. Two additional investigations are pending. Conviction was obtained in one case.

"An end to the practice of nonprofessionals and unlicensed persons posing as architects when applications for building permits are filled out is seen in Los Angeles through the adoption by the building inspection department of that city of a policy of permitting the name of a licensed architect or licensed engineer only to appear in the space provided for that particular information. On the new application blanks of that department, the words, 'Not to be filled in unless with name of certificated architect or licensed engineer,' has been printed next to the space provided for that data. This action will, it is believed, reduce a certain phase of unlawful advertising forbidden by the act regulating the profession of architects.

"During the month the board, thru its attorney, assisted the Arizona state board materially by furnishing legal citations which were successfully used in the conviction of an offender in the neighboring state.

"Northern District—Activities of this board during February included the conducting of 13 investigations of complaints. No prosecutions were found necessary during that period, nor were any licenses suspended or revoked.

"With the issuance of one new license during the month the total number of licensees operating under supervision of the Northern District Board of Architectural Examiners was brought up to 517, the report of Secretary A. J. Evers reveals."

UNIT COSTS FOR BUILDINGS IN L. A. COMPILED BY A.G.C.

Unit Building Costs in Los Angeles*
Prepared by the Associated General
Contractors of America,
Southern California Chapter

"In using these figures, it should be remembered that application of an average estimate of cost to any given locality is always open to question, even where prices are uniform—which they never are.

"For these reasons, we have provided a range of costs in each item which should cover all ordinary conditions, but cannot be compared with cost estimates based upon a detailed study of plans and specifications, as regularly made by a general contractor.

Total Unit Costs Per Cubic Foot	
Class A Steel Frame Buildings	
Office buildings	\$.45 to \$.55
Hotels	.51 to .64
Apartments	.48 to .62
Lofts	.19 to .34
Warehouses	.18 to .29

Class A Reinforced Concrete Buildings	
Office buildings	\$.42 to \$.61
Hotels	.46 to .62
Apartments	.45 to .60
Lofts	.16 to .30
Warehouses	.15 to .25

Class C Brick Buildings	
Stores on ground, apart- ments above	\$.20 to \$.40
Apartments	.27 to .50
Hotels	.23 to .45
Lofts	.16 to .30
Warehouses	.15 to .25
1-story garages, per sq. ft. 1	1.46 to 2.00
1-story stores, per sq. ft. 1	1.75 to 3.20
2-story stores, apartments above, per sq. ft. 1	2.50 to 3.90

Note: Volume (cu. ft.) is average floor area times to total height from lowest basement floor to high point of roof.

Total Unit Costs Per Square Foot	
Frame Buildings	
California houses:	
Good	\$2.50 to \$3.25
Medium	2.00 to 2.75
Cheap	1.25 to 2.00
Residences, two-story*:	
Good	5.75 to 8.00
Medium	3.90 to 4.90
Cheap	2.20 to 3.25
Bungalows, special	4.75 to 5.90
Good	3.25 to 3.60
Medium	2.50 to 3.15
Cheap	2.10 to 2.60
Outbuildings, frame:	
Good	1.75 to 2.50
Medium	1.40 to 2.00
Cheap	.90 to 1.50

Bungalow Courts—Frame Apartments	
Special	\$4.75 to \$6.00
Good	3.80 to 4.75
Medium	3.30 to 4.25
Cheap	2.80 to 3.80
Four-Flat Buildings, 2-story*	
Special	\$4.75 to \$6.00
Good	3.80 to 4.75
Medium	3.30 to 4.25
Cheap	2.80 to 3.80

Corrugated Iron Buildings	
All kinds	\$.90 to \$1.20

*Note: Area (sq. ft.) is total floor space, including porches but not light courts.

*Footnote: In a careful study of unit building costs for the current period, the committee found practically no change in unit costs for buildings as compared with costs of one year ago. While several materials and labor advanced in price, certain materials were correspondingly reduced, thus rendering a very slight change in the unit costs.

"Use ground floor area for determining estimated cost."

ARCHITECTURAL CLUB PICNIC SET FOR NEXT MONTH

The fourth annual picnic of the San Francisco Architectural Club will be held May 11 in Mitchell's Canyon at the base of Mt. Diablo in Contra Costa county, according to W. B. Rue, a member of the committee in charge of arrangements.

The club, according to Rue, was fortunate in securing the canyon grounds due to the courtesy of the Henry Cowell Lime and Cement Company, which concern has already started providing every convenience for the annual outing of the world's future architects.

A feature of the outing will be a baseball game between the architects and the engineers, the prize being the Dickey Perpetual Trophy, donated by the W. S. Dickey Clay Manufacturing Company. Other events will include a horseshoe pitching contest, swimming and diving exhibits and golf. Special amusements will be provided for the kiddies. Ladies will be given an opportunity to show their art in the game of bridge.

LUMBER IMPORTS INTO U. S. FROM ALBERTA INCREASE

A reduction in the building of farm homes and grain elevators in Alberta, is the principal reason ascribed for an increase of 30 per cent in volume and 12 per cent in value in the spruce lumber exports of that province to the United States in 1929. The 1929 exports of this wood totaled 16,179,000 board feet, according to a report from Odin G. Loren, Vice Consul, Edmonton, to the Lumber Division of the Department of Commerce.

The secretary of the Northern Alberta and British Columbia Lumbermen's Association estimates the 1929 production of lumber at 250,000,000 board feet, and shipments at 200,000,000 board feet. About 90 per cent of the shipments by Alberta mills in 1929 were made to points in the Prairie Provinces and the rest to Eastern Canada and the United States. Practically all the lumber produced was spruce.

at a fixed price of \$1,500 each.
GEIGER ADDS NEW LINE

Manufacturing facilities of the Geiger Iron Works of Stockton are being enlarged to permit the production of Gilbert concentrators, a new gold mining machine, exclusive right for the manufacture of which in the San Joaquin territory, has been secured by the Geiger interests. The first finished machine, which, it is claimed, will separate approximately 98 per cent of gold from gravel instead of the 60 to 70 per cent of present machines, will be completed this week.

W. Y. ROWE, PAINTER, PASSES

William Y. Rowe, painting contractor of Sacramento, died in Stockton April 20. He was a native of Oakland and for the past seven years was engaged in the painting business in the capital city.

A bill prohibiting railroad consolidations unless the carriers agree to dismiss no employees as the result of the merger and pay their expenses if transferred has been introduced in the Senate by Senator Hawes of Missouri. The measure was provoked by reports that the Great Northern and Northern Pacific lines would discharge thousands of employees if their present merger plan is carried into effect. The potential loss of employment has lent strong opposition to the merger.

PROVIDE FOR FUTURE ON ELECTRICAL INSTALLATIONS

"The growth and expansion of industrial plants during the past few years has presented numerous electrical problems which have caused the owners inconvenience and additional expense to get the most efficiency out of their electrical equipment and to comply with governing safety requirements," says Ben C. Hill, supervising inspector of the Oakland Municipal Electrical Department, in Industrial Electric News, issued by the Pacific Electric Motor Co. "Many of these problems would not have occurred had some thought been given to future load and expansion when the original installation was installed.

"The information gained by the inspector because of his contact with widely varying conditions and the applications of electrical appliances and methods should place him in a position to criticize in a constructive way. If an example is made of one common mistake it can be realized how simple it is for one to be a 'penny wise and dollar foolish.' Take for instance the case of an owner calling for competitive bids on a given amount of work which is not covered by detailed plans and specifications. The electrical contractor, knowing he is estimating on a competitive basis, is obliged to take advantage of every loophole and select the most reasonable priced materials, devices and wiring methods. The result is the owner thinks he is accepting proposals of equal value but will soon learn that all of the materials, devices and wiring methods which are approved for a given purpose are not of equal merit or value. The cost of maintenance and expansion may not have been considered and, when the time arrives to add additional load, it is found the service, main feeders, and distributing centers are inadequate. If load is added without reinforcing the service, feeders, and addition to the distributing centers a hazard is brought into the plant and safety laws violated and disregarded which may bring about serious results. The cost of operation has increased as overloaded conductors cause voltage drop. Where there is a waste in the cost of maintenance and operation it does not take very long for this unnecessary leak to pay for its correction.

"It is urgently recommended that future extensions or increases of load be anticipated when possible, and that provision be made for them in the initial installation. The cost of making such provision in the initial installation is usually small as compared with the cost of future reconstruction or replacement. Numerous details which affect the design or quality of an installation should be included in the specifications. A certificate of inspection should invariably be required upon completion of the work. On existing installations a competent and qualified expert should check up conditions and where found faulty, correction should be made. Most appliances, devices and methods, substituted for old, may be effectively used. "The prime interest of the inspector is to endeavor to prevent electrical fires and accidents and in providing this service he represents and serves the public."

Damages for a grade crossing accident in which a motor truck caused the wrecking of a train must be paid by the owner of the truck to the railroad, according to a recent court decision in Illinois. The railroad sued the truck owner for \$30,000 damages and was awarded \$10,000. An appeal for a new trial has been denied.

\$1,500,000 WATER PROJECT IS PROPOSED NEAR SAN DIEGO

Application for a water project to cost \$1,500,000, diverting water from the Sweetwater River, a tributary of San Diego Bay, in San Diego County, for irrigation and domestic use, has been filed with the State Department of Public Works, Division of Water Rights, at Sacramento, by the Southern California Water Supply Company of San Francisco.

The towns of National City, Chula Vista, Coronado and unincorporated areas in the vicinity will be served, according to plans filed with the state department. Diversion of 18.6 cubic feet of water per second from the river is asked by the company. Five thousand acres of land will be irrigated, in addition to the domestic supply for the cities mentioned.

RENO PLUMBERS OPERATING CRANE BUDGET PLAN

New plumbing, including the cost of installation, on the monthly payment plan is the latest addition to the buying system by which one may use the articles while one pays for them. Announcement of a budget system for plumbing fixtures was made by the Crane Company, manufacturers, this week and has been extended to dealers at Reno, Nevada.

Under the plan home-owners may secure new plumbing fixtures for their old on a payment of ten per cent down, the balance, including both the fixtures and the cost of installation, to be met in monthly payments. The Crane Company is financing local dealers in the partial payment operations.

Announcement is made that the plan is in line with the national effort to increase construction this year.

BUILDING AND LOAN CHIEFS HERE FOR MEETING

Members of the Executive Committee of the California Building - Loan League are in San Francisco today from various sections of the State for an all-day session. Local officers attending are: Wm. E. Bouton, secretary, and Fremont Wood, treasurer. Bouton is secretary of the Standard Building and Loan Association and Wood, secretary, Citizens' Building & Loan Association.

The legislative program, recodification of building-loan laws and other projects to be presented before the Silver Jubilee Convention to be held in San Diego, May 22-23-24, are scheduled for discussion.

Committee members attending today's session include: J. M. Abbott, Santa Barbara, president; H. S. Wanner, Sacramento; C. H. Wade, Los Angeles; P. A. Oliver, San Mateo; S. M. Anderson, Inglewood; Harold A. Noble, Stockton, and Edwin M. Elnstrom, Fresno. Geo. M. Eason, Los Angeles, Chairman of the Taxation Committee, will make a report and Chas. H. Tucker, Long Beach, president of the recently created Building-Loan Federation of California, is also present.

PAINT MERGER

The management and corporate assets of the Bass Hueter Paint Company are being taken over as of May 1 by the National Lead Company of California, both organizations being subsidiaries of the National Lead Company, manufacturers of brands of pure white lead.

Bass Hueter products will continue to come under the B-H label, supplemented ultimately with additional lines.

FULLER TO INCREASE PLANT FACILITIES AT SACRAMENTO

W. P. Fuller & Company, paint manufacturers of San Francisco, are having plans completed for a two-story concrete and brick warehouse to be erected at Tenth and R Sts., Sacramento. The structure will involve an expenditure of \$30,000, according to Coffman, Sahlgren & Stafford, Sacramento architects, who are completing plans for the building.

PLANS EXPANSION OF LINES

Willamette Iron & Steel Works, Portland, Ore., announces its intention to expand its line of paper and pulp machinery, so that major equipment of such plants may be built in the Pacific Coast. Some arrangements have been made to manufacture pulp machinery on this coast for eastern companies, details of which are to be announced later.

The company recently completed shipment of a large order of screens, with vats and fastenings, to Olympic Forest Products Co., at Port Angeles, Wash.

SACRAMENTO TO VOTE BONDS

June 13 is the date set by the Sacramento City Council to vote bonds of between \$350,000 and \$450,000 to finance the construction of a new sedimentation basin and for minor repairs at the municipal filtration plant. At the same election a proposal will also be submitted providing for the issuance of \$150,000 in including hard-surfaced runways, drainage facilities and other improvements.

There was an increase of 50.6 per cent in the estimated expenditures for all building operations for which permits were issued in March compared with permits issued during February. Reports received by the Bureau of Labor Statistics of the United States Department of Labor from 232 cities having a population of 25,000 or over show the above increase.

The estimated cost of all building operations included in March permits in these cities was \$164,165,206, while the February indicated expenditure was \$109,009,775.

Residential building increased 35.8 per cent and nonresidential building, 68.2 per cent, comparing March with February.

There were 11,405 families provided for in the new buildings for which permits were issued in these cities during March, an increase of 32.6 per cent over the 8,599 provided for according to permits issued during February.

Increases were shown in new residential buildings in all of the seven districts. Increases were registered for nonresidential buildings for all districts except the East North Central.

Increases in families provided for and in total building operations were shown in all districts, comparing March with February permits. In the New England Division the increase in total building operations was 82.2 per cent. In the Middle Atlantic Division the increase was 54.3 per cent, in the East North Central Division, 20.8 per cent, in the West North Central Division, 41.3 per cent, in the South Atlantic Division 112.7 per cent, in the South Central Division, 47.3 per cent, and in the Mountain and Pacific Division, 44.8 per cent.

Permits issued for alterations and repairs show an increase in estimated costs in all districts except the West North Central.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street, phone KEarny 1252:

D-3455—Representation. Aurora, Ind. Manufacturers of grinding and pulverizing machinery are interested in securing representation here.

D-3456—Agency. New York City. Concern anxious to establish an agency on the Pacific Coast for the distribution of various toiletries.

D-3457—Sales Connection. Tucson, Ariz. Party in substantial business district wants to establish sales connection for novelty line.

D-3458—Sales Execution. S. F. Seeking new affiliation with national concern to represent on Pacific Coast. Desires to make headquarters in this city or Los Angeles.

D-3459—Index Globe. Los Angeles, Calif. Manufacturers of an index globe are interested in securing manufacturers' agents in this territory to handle their commodity.

D-3460—Manufacturer. San Francisco. Party anxious to merge with established manufacturing concern interested in making a pneumatic shock absorber for airplanes.

D-3461—Distributor. East Orange, N. J. Well established manufacturing concern is desirous of securing a distributor for various lines on the Pacific Coast.

D-3462—Sales Connection. Toledo, Ohio. Party wishes to obtain an agency in Toledo for any manufacturers' line.

D-3463—Representative. Newark, N. J. Manufacturers of fire brick are seeking to obtain a representative in San Francisco to sell their commodity. Party connected with oil firm preferred.

D-3464—Pumps. San Francisco. Party anxious to make connections with a responsible manufacturing concern to handle pumps on contract or for distribution.

20056—Fibre. The Hague, Holland. Firm has a new fibre similar to coco fibre which they are interested in exporting to the U. S. A sample of this fibre is available locally.

20059—Art Iron Works. New York, N. Y. A Belgian firm desires to secure an agent who will undertake the representation in San Francisco, of all kinds of iron art works; rolling and tap-rooted doors, monumental iron gates, stair cases, railings, winter gardens, logias, marquises, etc.

20061—Crockery. San Francisco, Cal. A well-established local firm wants to get in touch with a direct distributor of crockery wares, inexpensive cups, saucers and plates such as are imported from Germany, Austria and Czechoslovakia. The crockery need not be imported from these countries provided it is competitive in quality and price was the wares coming from Central Europe. Please address all inquiries to Box 61, Foreign Trade Dept., San Francisco Chamber of Commerce.

20063—Waste Materials. Osaka, Japan. Firm that has been exporting roofing and wiping rags and all kinds of waste materials through commission men is now anxious to do business directly with local importers of these commodities. 31

Libbey-Owens Glass Co. officials on April 23 announced merging with Edward Ford Plate Glass Co. The new company is to be known as Libbey-Owens-Ford Co. The stockholders will meet in May to ratify the merger, which will involve an exchange of stock.

Building News Section

APARTMENTS

Preparing Plans
APARTMENTS Cost, \$175,000
LOS ANGELES, Cal. Fernwood St.
and St. Andrews Place.
Seven-story and basement Class A
reinforced concrete apartments
(50x158 ft. (140 rooms)).
Owner—Mr. Francis.
Architect—Arthur C. Le Brun and
Herbert Booth, Associated, Fay
Bldg., Los Angeles.

Contract Awarded—Site Clearing
Started.
APARTMENTS Cost, \$10,000
WILLIAMS, Colusa Co., Cal.
Two-story hollow tile (2) stores and
(two 4-room) apartments.
Owner—Mrs. Mary T. Ryan, Williams.
Private Plans.
Contractor—Julius Hofmeister, Colusa

Owner Taking Bids.
APARTMENTS Cost, \$40,000
OAKLAND, Alameda Co., Cal. NW
5th and Foothill Blvd.
Three-story and basement frame and
stucco apartments (reinf. concrete
basement).
Owner—C. R. Boyd, 448 Foothill Blvd.,
Oakland.
Plans by L. F. Hyde, 372 Hanover St.,
Oakland.

Sub-Figures Being Taken.
APARTMENTS Cost, \$125,000
OAKLAND, Alameda Co., Cal. 29th
St. bet. Fairmont and Broadway.
Six-story concrete and steel apts.
Owner and Builder—H. S. Butler, 5679
Oak Grove, Oakland.
Plans by L. F. Hyde, 372 Hanover St.,
Oakland.

Preparing Preliminary Plans.
APARTMENTS Cost, \$450,000
SAN FRANCISCO. Location With-
held.
Fourteen-story class A reinf. concrete
and steel apts. (50 3- 4- 5- and 6-
room apts.)
Owner—Withheld.
Architect—Albert H. Larsen, 447 Sut-
ter St., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, \$40,000
SAN FRANCISCO. NW Bush and
Polk Streets.

After present apartments.
Owner—Estate of Louis Freidman.
Architect—S. Heiman, 605 Market St.
San Francisco.

As previously reported, refrigerators
awarded to Cyclops Iron Works,
(Norge Refrigerators, 837 Folsom St.,
S. F., at \$4000. There will be 47 re-
frigerators installed.

Work involves painting, electric
wiring, plumbing.

Contract Awarded.
APARTMENTS Cost, \$50,000
PALO ALTO, San Mateo Co., Calif.
Forest Ave.
Two-story part frame and concrete
apartments.
Owner—E. J. Cooksey, 538 S Hum-
boldt, San Mateo.
Contractor—Martin Petersen, Redwood
City.

It is expected construction will start
in two weeks.

Contract Awarded.
APARTMENTS Cost, \$75,000
BERKELEY, Alameda Co., Cal. Le-
roy and Virginia Sts.
Two- and three-story frame and stuc-
co apartments.
Owners—C. C. Dakin and Ben Pearson.
Architect—C. C. Dakin, 1443 Josephine
St., Berkeley.
Contractor—E. W. Larmer, 90 Fair-
view, Piedmont.

BONDS

CERES, Stanislaus Co., Cal.—Cham-
ber of Commerce backs proposal to
call election to vote bonds to finance
erection of a new grammar school for
the Ceres Grammar School District.
W. H. Weeks, 111 Sutter St., San
Francisco, architect.

MANHATTAN BEACH, Los An-
geles Co., Cal.—Manhattan Beach city
school district will hold election May
26 to vote bonds of \$125,000 for pur-
chase of two new school sites and for
the erection of eight-room school.
Architect not selected. Trustees of
the district are G. H. Lindsey, Mrs.
Helen Young and Chas. Murdock.

SUNNYVALE, Santa Clara Co.,
District votes bonds of \$25,000 to
finance erection of additions to the
present school building.

ANTIOCH, Contra Costa Co., Cal.—
Election will be held May 21 in An-
tioch-Live Oak Union School District
to vote bonds of \$150,000 to finance
erection of a new school building.
Trustees of the district are: Geo. W.
Harter, Arthur W. Bigelow, E. J.
Viera, L. W. Mehaffey and W. H.
Bloomfield.

CHURCHES

Contract Awarded.
CHURCH Cost, \$10,000
WILLOW GLEN, Santa Clara Co.,
Cal. W Lincoln Ave. near Ne-
vada Street.
Two-story frame and stucco Spanish
type church to seat 180.
Owner—First Christian Church.
Architect—Blünder & Curtis, 35 W-San
Carlos St., San Jose.
Contractor—F. Keesling, 746 Alameda
St., San Jose.

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Site Purchased—Plans To Be Pre-
pared.
CHURCH Cost, \$—
TRACY, San Joaquin Co., Cal. SW
Parker and Eaton Aves.
Church Building.
Owner—Methodist Church of Tracy, A.
L. Swarthout, chairman of Build-
ing Committee, Tracy.
Architect—Not Selected.
Several preliminary drawings are be-
ing considered by the church trustees
and a selection will be made shortly.

Contract Awarded.
CHAPEL Cost, \$6000
OAKLAND, Alameda Co., Cal. NW
7th and Chestnut Sts.
One-story frame chapel.
Owner—St. Joseph's Catholic Church,
Oakland.
Architect—None.
Contractor—Bay City Cabinet Co., 1076

Sub-Contracts Awarded.
CHAPEL Cost, \$17,000
SOUTH SAN FRANCISCO, San
Mateo Co., Cal.
One-story reinforced concrete chapel
for undertaking establishment.
Owner—S. Nieri Undertaking Co., 322
Grand Ave., South San Francisco.
Architect—Edwards & Schary, 605
Market St., San Francisco.
Contractor—Antonio Planca, 109 Pine
Terrace, South San Francisco.
Structural Steel—Pacific Coast Steel
Co., 111 Sutter St., San Francisco
Paint—W. P. Fuller & Co., 301 Mis-
sion St., San Francisco.
Lumber—South City Lumber Co., So.
San Francisco.
Rock & Sand—Western Sand & Rock
Co., South San Francisco.
Electric Work—C. R. Beatty, South
San Francisco.
Painting—M. Minucciani, South San
Francisco.
Excavation—Baker Constr. Co., So.
San Francisco.

Plans To Be Prepared.
CHURCH Cost, \$60,000
MODESTO, Stanislaus Co., Cal. 12th
and M Sts.
Gothic type church, seating 500.
Owner—First Baptist Church (Rev.
C. A. Collett, pastor), Modesto.
Architect—Rollin S. Tuttle, Box C, Los
Gatos.

Preparing Preliminary Plans.
CHURCH Cost, \$50,000
PIEDMONT, Alameda Co., Cal.
One-story timber and concrete church.
Owner—First Church Christ Scientist.
Architect—Henry H. Gutterson, 526
Powell St., San Francisco.

Completing Plans.
CHURCH Cost, \$25,000
BAKERSFIELD, Kern Co., Cal.
One-story and basement frame and
stucco church (to seat 300).
Owner—First Nazarene Church.
Architect—First Nazarene Church.
Architect—First Nazarene Church.
Greer St., Pasadena.

WATSONVILLE, Santa Cruz Co.,
Cal.—Seventh Day Adventists, Rev.
C. F. Folkenberg, pastor, plans im-
mediate erection of a \$3000 edifice on
the former Davis Tract near Free-
dom. At present services are held in
the I. O. O. F. Hall at Watsonville.

Contract Awarded.
CHURCH Cost, \$350,000
SAN FRANCISCO. NE Ellis and Taylor Streets.
 Six-story and basement reinforced concrete, steel and terra cotta church, hotel apartments and stores building.
 Owner—Glide Foundation (Mrs. L. H. Glide), 162 Uplands Ave., Berkeley (Rev. P. W. Rollins, Pastor).
 Architect—James Plachek, Mercantile Bank Bldg., Berkeley.
 Contractor—Monson Bros., 475 Sixth St., San Francisco.

Plans Being Completed.
ALTERATIONS Cost, \$16,000
SANTA ROSA, Sonoma Co., Cal.
 Alterations and additions to present church building (erect social hall and general alterations)
 Owner—First Methodist Episcopal Church.
 Architect—Rollin S. Tuttle, Box C, Los Gatos.
 Mead Clark, E. A. Eymann and W. J. Necker are on the building committee.
 Bids will be called for shortly.

FACTORIES AND WAREHOUSES

Bids Will Be Taken In One Week.
WAREHOUSE Cost, \$60,000
WATSONVILLE, Santa Cruz Co., Cal.
 Warehouse and general offices.
 Owner—Espindolas, Inc.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Plans Being Figured.
ADDITION Cost, \$—
EMERYVILLE, Alameda Co., Cal.
 One-story brick addition to factory and warehouse.
 Owner—California Packing Co., 101 California St., San Francisco.
 Engineer—Phillip Bush, 101 California St., San Francisco.

Sub-Contracts Awarded.
FACTORY Cost, \$20,000
EMERYVILLE, Alameda Co., Cal.
 One-story steel frame factory; concrete floors, crane runways.
 Owner—American Tractor Equipment Co., 5301 Horton St., Oakland.
 Architect and Builder—Austin Co. of California, 1924 Broadway, Oakland.
Steel Sash—Detroit Steel Products Co., Hunter-Dulin Bldg., S. F.
Lumber—Tilken Lumber Co., 1291 Delaware St., Berkeley.
Concrete Materials—Pacific Coast Aggregates, 85 2nd St., San Francisco.

As previously reported, steel awarded to Moore Drydock Co., foot of Adeline St., Oakland.

Sub-Bids Being Taken.
WAREHOUSE Cont. Price, \$17,999
OAKLAND, Alameda Co., Cal. 14th Ave. and E-14th St.
 Three-story factory and warehouse (wood and steel frame, reinforced concrete and hollow tile construction).
 Owner—Caldow Paint Co., 1422 14th Ave., Oakland.
 Architect—C. W. McCall, 1404 Franklin St., Oakland.
 Contractor—Villadsen Bros., 461 Market St., San Francisco.

SAN JOSE, Santa Clara Co., Cal.—Paint Shop and mattress factory of Lion Furniture Co. at 132 South Third St., destroyed by fire April 24. The loss is placed at \$50,000.

Plans Being Figured—Bids Close May 5, 4:30 P. M.
TRANSIT SHED Cost, \$—
OAKLAND, Alameda Co., Cal. Ninth Avenue Pier.

One-story reinforced concrete superstructure for transit shed (504x180 ft.; two 70-ft. trusses and one 40-ft. truss).

Owner—City of Oakland Port Commission, 424 Oakland Bank Bldg., Oakland.

Architect—Eng. Dept. of Owner.

Following is a partial list of the bidders:

Waterhouse & Sons Co., 55 New Montgomery St., San Francisco.
 Haviside Co., 56 Steuart St., S. F.
 D. A. Pancoast, 605 Market St., San Francisco.

New Metal Products Co., Emeryville.
 Gun, Carle & Co., 444 Market Street, San Francisco.

Boiler, Tank & Pipe Co., 75th Ave. and Russett St., Oakland.

Badt-Falk & Co., 557 Market St., San Francisco.

Overhead Door Co., 1440 Madison St., Oakland.

Contract Awarded.
SHED Cost, \$12,000
STOCKTON, San Joaquin Co., Cal. No. 902 W. Church Street.

One-story storage shed.

Owner—Fireboard Products Co., Russ Bldg., San Francisco.

Architect—None.

Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.

Plans Being Figured.
CREAMERY Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. W. San Carlos and Locust Sts.

One-story reinforced concrete creamery.

Owner—Hester Dairy, San Jose.

Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Sub-Contracts Awarded.
PACKING PLANT Total cost, \$400,000
OAKLAND, Alameda Co., Cal. Five acre tract 57th Ave. near E 14th Street.

One-story concrete and brick cannery (460x250-ft.).

Owner—Cutler-Loblinger Packing Co., Ontario, Calif.

Plans by Austin Co. of California.

Contractor—Austin Co. of California, 1924 Broadway, Oakland.

Steel—California Steel Co., 2nd and Harrison Sts., Oakland.

Plumbing—Feary & Moll, 1075 40th St., Oakland.

Ready-mix Concrete—Pacific Coast Aggregates, 85 2nd St., San Francisco.

Bids are now being taken on lumber.

Contract Awarded.
INDUSTRIAL BLDG. Cost, \$20,000
SAN FRANCISCO. Potrero Ave. near 19th Street.

One-story, basement and mezzanine floor reinforced concrete industrial building.

Owner—Victor Hoelscher and Daniel Rosenblum, 544 Market St., San Francisco.

Architect—Walter Falch, Hearst Bldg., San Francisco.

Contractor—Henry Papenhausen, 595 Victoria St., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, \$30,000
SACRAMENTO, Sacramento Co., Cal. Tenth and R Streets.

Two-story and basement concrete and brick paint warehouse.

Owner—W. P. Fuller Co., 301 Mission St., San Francisco.

Architect—Coffman, Sahlgren & Starford, Forum Bldg., Sacramento.

Plans will be ready for bids May 15.

SAN FRANCISCO.—Plant of Witzel & Baker, wholesale dairy products concern, suffered a \$75,000 fire loss April 23.

Structural Steel Contract Awarded.
FACTORY Cost, \$20,000
EMERYVILLE, Alameda Co., Cal.
 One-story steel frame factory; concrete floors, crane runways.

Owner—American Tractor Equipment Co., 5301 Horton St., Oakland.

Architect and Builder—Austin Co. of California, 1924 Broadway, Oakland.

Steel—Moore Drydock Co., foot of Adeline St., Oakland.

Plans Being Revised.
CREAMERY Cost, \$65,000
OAKLAND, Alameda Co., Calif. San Pablo Ave. and Athens St.

One- and two-story brick and tile creamery.

Owner—Willow Brook Dairy.

Architect—Diggs and Marshall, Inc., Latham Square Bldg., Oakland.

New bids will be taken in about 2 weeks.

Plans Being Prepared.
FACTORY Cost, \$75,000
KAHULUI, Maui, T. H.

One-story fertilizer factory.

Owner—Pacific Guano & Fertilizer Co., Honolulu, T. H.

Architect—C. W. Dickey, Honolulu.

Concrete exterior finish; concrete frame construction; cement floors; corrugated iron roofing; Standard plumbing goods.

GARAGES AND SERVICE STATIONS

Plans Being Figured.
WAREHOUSE Cost approx. \$200,000
PAILO ALTO, Santa Clara Co., Cal.
 Brick tire warehouse and super-service station.
 Owner—Firestone Tire & Rubber Co. Architect—Charles W. McCall, 1404 Franklin St., Oakland.

C. Morine, care Firestone Tire and Rubber Co., 3458 Piedmont, Oakland, is in charge of construction.

All modern conveniences will be installed.

Preparing Plans.
GARAGE Cost, \$—
SANTA MARIA, Santa Barbara Co.

One-story brick garage (118x142 ft.); concrete floors, composition roof.

Owner—Withheld.

Architect—Louis N. Crawford, Jones Bldg., Santa Maria.

Plans will be ready for bids May 1st.

Plans Being Completed.
GARAGE Cost, \$30,000
WATSONVILLE, Santa Cruz Co., Cal.

One-story concrete garage building.

Owner—W. W. Bendell, 213 Main St., Watsonville.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Plans will be ready for bids in two weeks.

Contract Awarded.
STATION Cost, \$65,000
SAN FRANCISCO. Twelfth and Mission Streets

Reinforced concrete and steel super service station.

Owner—Granfield's Inc.

Architect—Blaine & Olsen, 1755 Broadway, Oakland.

Contractor—W. C. Cone, 1744 Broadway, Oakland.

Contract Awarded.
GARAGE Cost, \$9000
OAKLAND, Alameda Co., Cal. N 26th St. W Grove.

One-story brick and tile garage.

Owner—Eugene English, 4707 Alameda Ave., Oakland.
 Architect—None.
 Contractor—A. W. Schneek, 3661 Redwood Road, Oakland.

GOVERNMENT WORK AND SUPPLIES

SACRAMENTO, Cal.—Until May 6, 11 A. M., under Order No. 1910-1623, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver welded dredge pipe. Spec. and further information obtainable from above office.

Plans Being Figured—Bids Close June 6, 3 P. M.

POST OFFICE Cost, \$—
 SAN BERNARDINO, San Bernardino Co., Cal.

Two-story and basement fireproof postoffice (approx. 15,000 sq. ft. ground area).

Owner—U. S. Government.
 Architect—Supervising Architect, Treasury Dept., Washington, D. C.
 Deposit of \$25 required for plans, obtainable from Supervising Architect.

PALO ALTO, Santa Clara Co., Cal.—Webster Eng. Co., Arkoma, Oklahoma, at \$5,466 submitted low bid to Supervising Superintendent of Construction, U. S. Veterans' Hospital Palo Alto, to furnish and install complete gas mains to boiler house and gas burners in boilers at the U. S. Veterans' Hospital at Palo Alto. Complete list of bids, all taken under advisement, follows:
 Webster Engineering Co. \$5,466
 Hansen Plumbing & Heating Co. Palo Alto 5,860
 Turner Co., San Francisco 7,990

MARE ISLAND, Cal.—Following is a partial list of prospective bidders to erect shell houses and construct an extension to the railroad at the Mare Island Navy Yard, bids for which will be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6104, on May 7:
 S. H. Goodenough, Palo Alto.
 Robert Burdugh, Beverly Hills.
 Louis Tagnon, Vallejo.
 Robert McKee, Los Angeles.
 Eaton & Smith, San Francisco.
 Mitty Bros. Constr. Co., Los Angeles.
 Carl S. Koller, Crockett.
 James L. McLaughlin Co., San Francisco.
 Frank J. Reilly, San Francisco.
 Mathews Constr. Co., Sacramento.
 Frederickson & Watson, Oakland.
 Michel & Pfeffer Iron Works, San Francisco.
 Arthur Pridde, San Francisco.
 J. F. Shepherd, Stockton.
 National Surety Co., San Francisco.
 Kern & Kilbe, San Francisco.
 Butte Electric & Mfg. Co., San Francisco.
 J. P. Holland, San Francisco.
 H. W. Rohl Co., San Francisco and Los Angeles.
 Clinton-Stephenson Co., San Francisco.
 MacDonald & Kahn, San Francisco.
 K. E. Parker, San Francisco.
 P. F. Kelly, San Francisco.
 F. R. Siegrist Co., San Francisco.
 Sullivan & Sullivan, Oakland.
 Schuler & MacDonald, Oakland.
 Mesker Bros. Iron Co., 421 S. Sixth St., St. Louis.
 Koppel Industrial Car & Equipment Co., Beaver Co., Koppel, Pa.
 S. Kirkhouse.
 Pacific Coast Aggregates, San Francisco.
 Minneapolis Steel & Machinery Co., San Francisco.

Soule Steel Co., San Francisco.
 Crockett Electric Shop, Crockett.
 J. E. Johnson, Stockton.
 W. A. Bechtel Co., San Francisco.
 A. Carpenter & Empire Trading Co., Inc.
 Johns Manville Co., San Francisco.
 Ajax Construction Co., San Francisco.
 Summer Sollitt Co., Los Angeles.
 J. C. Costello, San Francisco.
 Crane Co., San Francisco.
 W. S. Wetenhall, San Francisco.

SACRAMENTO, Cal.—Until May 9, 3 P. M., under Order No. 1922-1635, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver f. o. b. Rio Vista, Solano County or f. o. b. cars at bidder's plant:
 10 piles (500 lin. ft.) Pine or Douglas fir, 50 ft. long;
 20 piles (300 lin. ft.) Pine or Douglas fir, 40 ft. long;
 All to have butts 12 to 16 inches and points 8 to 12 inches.

SACRAMENTO, Cal.—Until May 8, 3 P. M., under Order No. 1908-1637, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver f. o. b. Rio Vista, Solano County, 3000 lbs. welding rods, 2/16 by 14-in. long in 50 lb. bundles.

KLAMATH FALLS, Ore.—Following is a partial list of prospective bidders for postoffice, to be erected at Klamath Falls, Ore., bids for which will be opened by Supervising Architect, Treasury Department, Washington, D. C., May 23:
 Charles Weitz's Cons, Des Moines, Iowa.
 Campbell Building Co. of Utah, Salt Lake City, Utah.
 Steinger Bros., Worcester Building, Portland Ore.
 I. L. Young, 524 Henry Building, Portland, Ore.
 Cactor & Cactor Const. and Eng. Co., Brooklyn, N. Y.
 Schuler & McDonald, Inc., 1723 Webster St., Oakland, Calif.
 Wm. MacDonald Const. Co., Syndicate Trust Bldg., St. Louis.
 Devault & Dietrick, Canton, Ohio.
 Walter Petersen, Wilkinson Bldg., Omaha, Neb.

Hans Pederson, Washington Mutual Bldg., Seattle, Wash.
 Harry Boyer Son & Co., care Hansen & Rowland, Washington Bldg., Tacoma, Wash.
 Bartleson & Mess, 6324 17th Ave., S. E., Seattle, Wash.
 W. D. Lovell, 1415 8th St., S. E., Minneapolis, Minn.
 Moss B. Hammond, Inc., Public Service Bldg., Portland, Ore.

HAWTHORNE, Nev.—Following is a partial list of prospective bidders for buildings and beach development at Naval Ammunition Depot, Hawthorne, bids for which will be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6112, on May 21:
 Page Steel & Wire Co., 230 Park Ave., New York City.
 Stewart Iron Works, P. O. Box 873, Cincinnati.
 Silver State Electric Co., 222 15th St., Denver, Colo.
 Maler Electric Co., 213 E. Hennepin Ave., Minneapolis, Minn.
 Mesker Bros. Iron Co., 421 S. 6th St., St. Louis, Mo.
 Crane Co., Washington.
 Detroit Steel Products Co., Washington.

SACRAMENTO, Cal.—Until May 5, 11 A. M., under Order No. 1903-1635, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, two tons of blacksmith coal, in 200-lb. sacks. Further information obtainable from above.

SAN FRANCISCO.—Until May 9, 10 A. M., under Schedule No. 923-31-3, bids will be received by Quartermaster Supply Officer, General Depot, Fort Mason, for hauling between various Government stations. Further information obtainable from above.

SAN FRANCISCO.—Until May 23, 2 P. M., bids will be received by Superintendent of Lighthouses, Customhouse, to furnish and deliver steam coal in bulk and in sacks. Further information obtainable from above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies & Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Department Office, 100 Harrison St., San Francisco:

Bids Open May 13

Sch. 3262, all yards, carpets and rugs.

Sch. 3307, western yards, approximately 41,000 flashlights.

Sch. 3397, western yards, 330 vibrating horns, 4 waterproof sirens, 100 hand-operated horns, and 3 do.

Sch. 3292, San Diego, 1 motor-driven milling machine.

Sch. 3304, San Diego, 140 metal propeller blades and 60 co. Philadelphia, 24 propeller hubs.

Bids Open May 20

Sch. 3201, New York and San Francisco, 1 motor-driven horizontal boring, drilling and milling machine.

HAWTHORNE, Nevada—American Laundry Machinery Co., Cincinnati, Ohio, at \$10,818 awarded contract by Bureau of Yards and Docks, Navy Department, under Specification No. 6111, to furnish and install laundry equipment at Naval Ammunition Depot, Hawthorne, Nevada.

HONOLULU, T. H.—Kahului Railroad Co., Kahului, Maui, T. H., submitted only bid to U. S. Engineer, Honolulu, to construct 1100 lin. ft. rubble mound breakwater in Kahului Harbor. Project involves reconstruction of demolished sections and construction of extensions, 189,000 tons, \$3 ton; resetting stones at ends of existing breakwater, 20 stones, \$5 each; total, \$567,110.

SACRAMENTO, Cal.—Until May 6, 11 A. M., under Order No. 1905-1635, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver 5,600 ft. high grade plow steel wire rope, Warrington construction, 6-strands, 19 wires to the strand; 2,000 ft. to be in 3 pieces, each 1,000-ft. long, and 2,600 ft. to be in 4 pieces, each 650-ft. long. Rope to be uncoated of regular lay and constructed with hemp core; min. breaking strength 70,000 lbs. Further information obtainable from above.

SACRAMENTO, Cal.—Until May 8, 11 A. M., under Order No. 1904-1635, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, 5 coils Manila rope, 4-in. circumference, 3-strand. Further information obtainable from above.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
STORE & LODGE Cost, \$50,000
GILROY, Contra Clara Co., Calif. N
Monterey St.
Two-story concrete store and lodge
building (190x55 ft.)
Owner—Mainero Bros., Gilroy.
Architect—Albert F. Roller, Crocker
First National Bank Bldg., San
Francisco.
Lessee—Elks Clubs (2nd story); B.
Barshinger (1st story).
Contractor—Wm. Radtke, Gilroy.

YREKA, Siskiyou Co., Cal.—Members
of the Ross Neilon Post, American
Legion, have opened a drive for
\$18,000 to start the construction of
a memorial auditorium. Subscribers
to be issued notes bearing 5 per
cent interest payable when the post
lins the money in its reserve fund.
Site at Siskiyou Harbor.

COMMUNITY CENTER Cost, \$—
SAN FRANCISCO, California St.
and Presidio Ave.
Modern fireproof community center.
Owner—Jewish Community Center
Sidney M. Ehrman, Chairman, 68
Post St., San Francisco.
Architect—Not Selected.

Proposed building will contain gymnasium, swimming pool, handball courts, auditorium, theatre, club rooms, lecture hall, game rooms, lounge rooms and kitchen.

Campaign is now under way and will be over May 9th, at which time an architect will be selected.

Harold Zellerbach is chairman of the campaign committee.

BENICIA, Solano Co., Cal.—Spanish War Veterans, at a recent meeting, voted to postpone construction of the proposed Memorial Building until December of this year when the supervisors will provide the necessary funds to finance the project. The county has made \$1,500 available for the purchase of a site for the structure at E 2nd and L Sts.

Plans Completed and Approved.
MEMORIAL HALL Cost \$85,000
(exclusive of furnishings)
EUREKA, Humboldt Co., Cal. H St.
bet. 10th and 11th Sts.
One-story and basement concrete Veterans' Memorial Hall, 140x98-ft.
Owner—County of Humboldt, Fred M. Kay, county clerk, Eureka.
Architect—Newton Ackerman, 102 W 4th St., Eureka.

Basement will contain banquet room handball court, kitchen, Boy Scout quarters, storage space and locker rooms. First floor will provide lobby, memorial hall seating between 400 and 500, lounges, card and billiard rooms. Exhibit rooms will be provided on the mezzanine floor.

HOLLISTER, San Benito Co., Cal.—Twenty-Three Club votes to erect clubhouse on a site yet to be selected. Preliminary plans have been prepared for the structure.

Contracts Awarded.
LODGE BLDG. Cost, \$40,000
MARTINEZ, Contra Costa Co., Cal.
Two-story class C brick and steel lodge building.
Owner—Masonic Hall Assn., Martinez.
Architect—Russell Guern, De Lappe, 1710 Franklin St., Oakland.
Excavating, Concrete Work and Carpenter Work—George Swanson, Oakland, \$13,897.
Structural Steel—Herrick Iron Works, Oakland, \$3,832.
Iron Work—Pacific Iron Works, Oakland, \$579.
Steel Sash—Michel and Pfeffer Iron Works, San Francisco, \$876.

Sheet Metal Work—Golden Gate Sheet Metal Works, Oakland, \$150.
Roofing—Ideal Roof Co., Oakland, \$285.
Plastering—A. H. Winchcole, Richmond, \$5,732.
Magneite Work—Malott & Peterson, San Francisco, \$115.
Tile Work—Rigney Tile Co., Oakland, \$24.
Painting—Raphael Co., San Francisco, \$765.
Glazing—Tyre Bros Glass Co., Oakland, \$394.50.
Plumbing—E. Morgan Hardware and Plumbing Co., Martinez, \$1,294.67.
Electrical Work—Stinchfield & Glass, Martinez, \$1,512.15.
Gas Heating—Aladdin Heating Corp., Oakland, \$846.
Stair Building—Oakland Stair Building Co., Oakland, \$1,175.

Plans Being Figured—Bids Close May 5, 2 P. M.
REEDWOOD HOUSE Cost, \$—
REEDWOOD CITY, San Mateo Co., Cal.
On municipal harbor land.
One-story frame yacht clubhouse.
Owner—City of Reedwood City, B. E. Myers, city clerk.
Plans by C. L. Dimmitt, city eng.
Certified check 10% payable to city required with bid. Plans on file in office of clerk.

HOSPITALS

OROVILLE, Butte Co., Cal.—Committee appointed by county supervisors to inspect county infirmary has recommended extensive improvements in the surgery department and main building. It is recommended that the present lean-to on the surgery quarters be replaced and that provision be made for erecting an extension to provide for bath space, store rooms, drug rooms and a kitchenette that a fireproof roof be installed in the main building; that new wiring be installed, and that many changes be made to improve the sanitary conditions. The supervisors will act on the report on May 5th.

Plans Being Figured—Bids Close May 9th.
MOTHER HOUSE Cost, \$95,000
MISSION SAN JOSE, Alameda Co.
Three-story reinforced concrete Spanish type Mother House (stucco exterior, tile roof; main facade 135 feet long).
Owner—Female Religious of the Order of St. Dominic.
Architect—Arnold Constable, 550 Market St., San Francisco.
Structural Engineer—W. Adrian, 417 Market St., San Francisco.
Mechanical Engineer—Coddington Co., 222 Kearny St., San Francisco.
Following is a list of prospective bidders:

Barrett & Hilp, San Francisco.
J. P. Brannan, Berkeley.
T. J. Broderick, Burlingame.
E. T. Mulvey, Oakland.
Magna & Newell, San Jose.
H. C. Miller, Santa Clara.
Mudder Bros., Los Angeles.
S. Rasori, San Francisco.
Schuler & MacDonald, Oakland.
Bids will be taken in one week.

Preparing Working Drawings.
WARD BLDGS. Cost, \$550,000
SAN FRANCISCO. Relief Home Tct. Two Class A ward buildings.
Owner—City and County of San Francisco.
Architect—Hyman & Appleton, 68 Post St., San Francisco.

KING CITY, Monterey Co., Cal.—Dr. George A. Starbird is chairman of a committee to further plans for

the erection of a \$20,000 hospital building.

WILLOWS, Glenn Co., Cal.—J. L. Napton, local realtor, has purchased the hotel at Delevan and plans to remodel the structure for a hospital. The building contains 65 rooms.

PORTERVILLE, Tulare Co., Cal.—California Institution for Women is considering site on Vincent ranch, near Springville, for establishment of home for women narcotic addicts.

Contract To Be Awarded.
HOSPITAL Cost, \$175,000
TUCSON, Arizona.
One-story reinforced concrete and brick hospital.
Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.
Architect—A. I. Coffey and Martin J. Rist, Phelan Bldg., San Francisco
Contractor—Robt. E. McKee, Central Bldg., Los Angeles.

Sub-Contracts Awarded.
ADDITION Cost, \$650,000
SAN FRANCISCO. Fell and Baker Streets.

Addition to present Class A hospital. Owner—Southern Pacific Railroad Co., 65 Market St., San Francisco.
Architect—Alfred I. Coffey & Martin J. Rist, Phelan Bldg., San Francisco.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Brick Work—Hock & Hoffmeyer, 666 Mission St., San Francisco.
Plastering—James F. Smith, 271 Minna St., San Francisco.

EUREKA, Humboldt Co., Cal.—F. A. Hamilton Co., at \$130 awarded contract by county supervisors to furnish and install a portion of the operating room equipment in the new county hospital. Bids for those items of the equipment not accepted will be re-advertised. Fred M. Kay, county clerk, Newton Ackerman, architect, Eureka.

Plans Being Prepared.
ALTERATIONS Cost, \$—
EUREKA, Humboldt Co., Cal.
Remodel County Relief Home.
Owner—County of Humboldt, Fred M. Kay, County Clerk, Eureka.
Architect—Newton Ackerman, 102 W 4th St., Eureka.

Kitchen quarters in the Relief Home will be removed and inmates will be served from the new county hospital kitchens. A large porch will be constructed on the exterior of the Relief Home.

HOTELS

Bids To Be Taken Within One Week
HOTEL Cost, \$100,000
BLUE LAKE, Lake Co., Cal 250-acre tract.
Three-story frame and stucco hotel (224x126 feet).
Owner—Blue Lake Hotel and Resort Corp., Harry W. Kemp, president
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Will contain 48 rooms, all of which will have private baths. Steam heating; glass enclosed porches. Basement will provide dressing room for bathers, a barber shop and five storage rooms.

PORTERVILLE, Tulare Co., Cal.—Weeks Inv. Co., 111 Sutter St., San Francisco, is reported to be planning to finance erection of a modern hotel building in this city. The proposed structure will be similar to the structure recently completed at Lindsay.

Reinforcing Steel Contract Awarded.
HOTEL Cost, \$500,000
SAN JOSE, Santa Clara Co., Cal. W
Santa Clara St. and Notre Dame
Avenue.

Ten-story class A hotel building (133
rooms and baths; 10 sample rooms)
Owner—San Jose Community Hotel
Company.

Architect—W. H. Weeks, Hunter-Du-
lin Bldg., San Francisco; 1736
Franklin St., Oakland, and Bank
of Italy Bldg., San Jose.

Contractor—Carl N. Swensen, 47 W
Santa Clara St., San Jose.

Reinforcing Steel—Soule Steel Co., Ri-
alto Bldg., San Francisco.

Other sub-bids are in and will be
awarded on about ten days. Construction
has just been started.

Plumbing and Heating Bids Wanted.
HOTEL Cost, \$100,000

SAN RAFAEL, Marin Co., Cal. Laur-
el Place and Nye St.

Two-story 200-room brick hotel (North
African type).

Owner and Builder—C. R. Danziger,
1860 Jackson St., and 222 Kearny
St., San Francisco.

Architect—F. H. Slocombe, 58 Cam-
bridge Way, Piedmont.

It is expected to start construction
about June 1.

TUCSON, Ariz.—United Hotels of
America contemplates number of
changes and additions to El Conquistador
Hotel this summer. Ten new
cottages, two employes' dormitories,
enlargement of dining room and exten-
sive improvements to grounds, in-
cluding installation of lawn sprinkler
system, are proposed.

CALIFORNIA—Highway Communi-
ties, Ltd., 1123 Venice Blvd., Los An-
geles, announce that work will be
started this year on construction of
hotel buildings at Visalia, Santa
Maria and Capistrano Beach. Com-
pany proposes building a total of nine
hotels between the Canadian and
Mexican borders, work having al-
ready been started on a building at
Barstow for which DeCamp-Hudson-
Seckels, 1277 W. 24th St., Los An-
geles, have the contract. Merrill &
Wilson, 519 Petroleum Securities Bldg.,
Los Angeles, architects and engi-
neers for company. Each hotel will
have a minimum of fifty rooms and
will be of frame and stucco construc-
tion.

VISALIA, Tulare Co., Cal.—Burt A.
Heinly, general manager of the High-
way Communities Corp., Ltd., holding
a lease on a 4-acre tract at the Vis-
alia Airport, announces plans will
be started shortly for a \$150,000 hotel
building on the site, to be leased to
Frank Maratti, manager of the Hotel
Santa Barbara at Santa Barbara. The
same company proposes to erect nine
such structures at air ports between
the Mexican and Canadian borders.

SAN JOSE, Santa Clara Co., Calif.—
San Jose Wrecking and Building Sup-
ply Co., San Jose, awarded contract
to raze the Vendome Hotel Building.
The site will be sub-divided for homes
according to present plans. Consid-
eration is also being given by the San
Jose city council to purchasing the
property for public park purposes.

Completing Plans.

HOTEL Cost, \$2,500,000
LOS ANGELES, Los Angeles Co., Cal.
Vine Street (22 acre site).

Class A reinforced concrete and brick
hotel.

Owner—Hollywood Ritz-Carlton Hold-
ing Co.

Architect—Gordon B. Kaufmann,
Union Bank Bldg., Los Angeles.

STOCKTON, San Joaquin Co., Cal.
—San Francisco capitalists propose to
purchase property of the Wagner
Leather Company on El Dorado street
facing McLeods Lake and the Civic
Center on which they propose to erect
a class A apartment-hotel-store build-
ing. The structure will be about ten
stories in height. The names of the
financiers have not yet been disclosed.

ICE AND COLD STORAGE PLANTS

Completing Plans.

STORAGE PLANT Cost, \$100,000
COACHELLA, Riverside Co., Cal.

One-story reinforced concrete ice and
cold storage plant (steel sash).

Owner—Imperial Ice & Development
Co (J. E. Collins, General Mgr.)

Architect and Contractor—Gay Engi-
neering Corp., 2650 Santa Fe
Ave., Los Angeles.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans To Be Prepared.

LIBRARY Cost, \$20,000
BENICIA, Solano Co., Calif.

Branch county library building.
Owner—County of Solano, G. G. Halli-
day, county clerk, Fairfield.

Architect To Be Selected.

RESIDENCE

Plans Being Revised.

RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. San
Luis Road.

Two-story English type frame and
stucco residence (8 rooms).

Owner—Harry Mulvaney.

Architect—Sidney B. Noble & Archie
T. Newsom, Federal Realty Bldg.,
Oakland.

Plans will be ready for figures short-
ly.

Contract Awarded—Sub-Bids Being
Taken.

RESIDENCE Cost, \$—
PALO ALTO, Santa Clara Co., Cal.

Cowper St.

Two-story frame Colonial type resi-
dence (rustic exterior; 12 rooms).

Owner—J. Breeden.

Plans by I. Reichel, Palmer Rhodes
Bldg. Palo Alto.

Contractor—W. F. Klay, Menlo Oaks
Drive, Menlo Park.

Excavating—Mr. Niswander, prem-
ises.

Sub-Bids Wanted.

RESIDENCE Cost, \$25,000
MONTEREY, Monterey Co., Cal. 17
Mile Drive.

Two-story frame and stucco residence
(9 rooms.)

Owner—Alfred Price.

Plans by W. W. Dixon, 1844 5th Ave.,
Oakland.

Contractor—Ernest W. Urch, 1924
50th Ave., Oakland.

Lumber—Tynan Lumber Co., Mon-
terey.

Sub-bids are wanted on steam heat-
ing system, tile roofing, plaster ex-
terior, oil burner, etc.

Construction Indefinitely Postponed.

RESIDENCES Cost, \$15,000 each
HILLSBOROUGH, San Mateo Co.

Two two-story and basement frame
and stucco residences (9 rooms
each).

Owner—Boris Kitchen, Hillsborough
Drive, Hillsborough.

Architect—Gardner Dalley, 425 Mason
St., San Francisco.

Contract Awarded.

ALTERATIONS Cost, \$14,000
MOUNT EDEN, Alameda Co., Cal.

Alter one-story frame and stucco
residence (Spanish style).

Owner—R. W. Dennis, Mount Eden.

Architect—Wolfe & Higgins, 19 N-
Second St., San Jose.

Contractor—George J. Asmussen,
Grove Way, Hayward.

Sub-bids will be taken within a
few days.

Plans Being Prepared.

RESIDENCE Cost, \$—
WOODSIDE, San Mateo Co., Cal.

One-story frame and stucco residence
(12 rooms).

Owner—Leon Sloss, Jr., 2700 Broad-
way, San Francisco.

Architect—W. W. Wurster, 260 Cal-
ifornia St., San Francisco.

Will be erected around a court.

April 25, 1930
Contract Awarded—Sub - Bids Being
Taken.

RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co.

Calif. Elm, Ralston and Astor
Avenues.

Two-story frame and stucco residence

Owner—G. Sheldon Perhan, 510 Dor-
chester Ave., San Mateo.

Architect—William Toepke, 74 New
Montgomery St., San Francisco.

Contractor—G. W. Williams Co., 1404
Broadway, Burlingame.

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Sub-Bids Wanted.

RESIDENCE Cost, \$30,000
HILLSBOROUGH, San Mateo Co., Cal.
Woodstock.

Two-story and basement frame and stucco residence 10 rooms and 4 baths).

Owner and Builder—G. W. Williams, 1404 Broadway, Burlingame.
Plans by Russell Coleman, 1404 Broadway, Burlingame.

As previously reported, lumber contract awarded to Wisnom Lumber Co., San Mateo; concrete to Gus Adolphson, San Mateo.
Sub-bids are being taken on all other portions of the work.

Plans Being Revised.

ALTERATIONS Cost, \$60,000
HILLSBOROUGH, San Mateo Co., Cal.
Alterations and additions to present residence.

Owner—George Hearst.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—Chas. Stockholm & Sons, Russ Bldg., San Francisco.

Plans Being Figured.

RESIDENCE Cost, \$5000
EAST OAKLAND, Alameda Co., Cal.
Eastmont Tract.

One and one-half-story frame and stucco residence (6 rooms; English type).

Owner—Mrs. Crane.
Architect—F. H. Slocombe, 85 Cambridge Way, Oakland.

Plans Being Figured.

RESIDENCE Cost, \$5000
EAST OAKLAND, Alameda Co., Cal.
Eastmont Tract.

One and one-half-story frame and stucco residence (6 rooms; English type).

Owner—Mrs. Dena.
Architect—F. H. Slocombe, 85 Cambridge Way, Oakland.

Plans Being Completed.

RESIDENCE Cost, \$9000
ALAMEDA, Alameda Co., Cal.
One-story and basement frame and stucco residence (7 rooms).

Owner—Withheld.
Plans by D. E. Jaekle, Call Bldg., San Francisco.

Bids will be taken in one week. 14

April 29, 1930

Contract Awarded.

RESIDENCE Cost, \$45,000
PIEDMONT, Alameda Co., Cal.
Two-story frame and stucco residence
Owner—A. W. Beam.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—A. Cederborg, 1455 Excelsior Blvd., Oakland.

Plans Being Figured.

RESIDENCES Cost each, \$10,000
SAN FRANCISCO. Location withheld
Two 2-story and basement frame and stucco residences (10 rooms each)
Owner—Name Withheld.
Architect—J. V. D. Linden, 604 Mission St.

Bids are being taken for a general contract.

Plans Being Re-Figured.

RESIDENCE Cost, \$20,000
NORTH BERKELEY, Alameda Co.
Two-story frame and stucco English type residence (12 rooms).
Owner—Dr. Donald.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Walter Sorensen, 2940 Piedmont Ave., Berkeley, is the only contractor re-figuring the plans.

Bids Opened.

RESIDENCE Cost, \$9000
SAN JOSE, Santa Clara Co., Cal. S
Fifteenth St.

Two-story and basement frame and stucco Spanish type residence (9 rooms; tile roof).

Owner—John W. Drew, San Jose.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Low Bidder—C. F. Keesling, 798 Coe St., San Jose.

Following is a complete list of bids:
C. F. Keesling, San Jose.....\$ 9,730
N. O. Berg, San Jose..... 8,835
B. H. Painter, San Jose..... 9,900
Frank Neves, San Jose..... 10,500
J. C. Thorp, San Jose..... 10,666
Wm. Caldwell, San Jose..... 10,828
Collins & Martin, San Jose..... 11,048
George Honore, San Jose..... 11,161
Fred Nelson, San Jose..... 11,233
Gibson & Wheeler, San Jose..... 11,300
Bids held under advisement.

Preparing Plans.

RESIDENCE Cost, \$—
PORTERVILLE, Tulare Co., Cal.
One-story frame and stucco residence with the roof (7 rooms).
Owner—Jennie Doyle.
Architect—Arthur L. Acker, Petroleum Securities Bldg., Los Angeles.

Plans Being Completed.

RESIDENCE Cost, \$8500
SAN MATEO, San Mateo Co., Cal.
One-story and basement frame and stucco residence (6 rooms).
Owner—Arthur Devoto.
Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
General bids will be taken in one week.

Plans Being Completed.

RESIDENCE Cost, \$9000
SAN CARLOS, San Mateo Co., Cal.
One and one-half-story frame and stucco residence (7 rooms).
Owner—Henry Schwarz.
Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
General bids will be taken in one week.

Plans Being Completed

RESIDENCE Cost, \$10,000
BURLINGAME, San Mateo Co., Cal.
One-story frame and stucco residence
Owner and Builder—G. W. Williams & Co., Ltd., 1404 Broadway, Burlingame.
Plans by Russell Coleman, 1404 Broadway, Burlingame.

Construction Indefinitely Postponed.

RESIDENCE Cost, \$30,000
BOLINAS, Marin Co., Cal.
Two-story frame and stucco residence.
Owner—Withheld.
Architect—Harris Osborne, Hearst Bldg., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$10,000
BURLINGAME, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner—Dr. Arthur Nobbs.

Plans by Russell Coleman, 1404 Broadway, Burlingame.

Contractor—G. W. Williams & Co., Ltd., 1404 Broadway, Burlingame.

Plans Being Prepared.

RESIDENCE Cost, \$8500
SAN FRANCISCO. Crocker Tract.
One-story and basement frame and stucco residence (5 rooms).
Owner—Withheld.
Plans by D. E. Jaekle, Call Bldg., San Francisco.
Bids will be taken in one week.

Contract Awarded.

RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. 740
Euclid Ave.
Two-story frame and stucco residence (8 rooms).
Owner—Harold Little.
Architect and Builder—Fox Brothers, 1484 University Ave., Berkeley.

Construction Started.

ALTERATIONS Cost, \$60,000
HILLSBOROUGH, San Mateo Co., Cal.
Alterations and additions to present residence.
Owner—George Hearst.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor—Chas. Stockholm & Sons, Russ Bldg., San Francisco.

Bids In Under Advisement.

ALTERATIONS Cost, \$6500
SAN FRANCISCO. No. 650 Lake Street.
Alterations and additions to present two-story frame and stucco residence for apartments.
Owner—H. R. Van Winkle, 2135 Sacramento St., San Francisco.
Architect—A. R. Denke, Dalziel Bldg., Oakland.

Plans Being Figured

ALTERATIONS Cost, \$6000
BERKELEY, Alameda Co., Cal. San Luis Road.
Alterations and additions to two-story frame and stucco residence (tile roof).
Owner—Name Withheld.
Architect—Sidney B. Noble & Archie T. Newson, Federal Realty Bldg., Oakland.
About one week will be allowed for figuring.

ST. HELENA, Napa Co., Cal.—Residence on farm of Carlo Calleri, vineyardist, destroyed by fire April 21. Loss is estimated at \$10,000.

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Plans Being Figured By Local Contractors.
SUMNER HOUSE Cost, \$5000
BEN LOMOND, Santa Cruz Co., Cal.
 Two-story frame and stucco summer house.
 Owner—Helen B. Uhl, San Francisco.
 Architect—Sidney R. Noble & Archie T. Newsom, Federal Realty Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, \$12,000
BERKELEY, Alameda Co., Calif. 175 South Hampton Road.
 Two-story frame and stucco residence (7 rooms).
 Owner—C. S. Crittenden, 1013 Mariposa Ave., Berkeley.
 Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
 Contractor—H. Schultz, 811 Mendocino Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, \$35,000
HILLSBOROUGH, San Mateo Co., Cal.
 Two-story frame and stucco residence (12 rooms).
 Owner—Mrs. Geo. Montgomery.
 Architect—Ed. Mueson Sharpe, 525 Market St., San Francisco.
 Contractor—Oswald & Rucker, Mills Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. Regal Road.
 Two-story frame and stucco residence.
 Owner—Fred McCoy.
 Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
 Contractor—Beckett and Wight, 722 Scenic Ave., Piedmont.

Plans Being Prepared.
RESIDENCE Cost, \$50,000
HONOLULU, T. H.
 Two-story concrete residence.
 Owner—Mrs. Helen Irwin Fagan, Honolulu, T. H.
 Architect—C. W. Dickey, Honolulu, T. H.
 Exterior finish of Hawaiian stone; split shakes roofing; cement block interior partitions; Standard plumbing goods.

Contract Awarded.
ALTERATIONS Cost, \$3690
SAN FRANCISCO. No. 3515 Pacific Avenue.
 Alter residence.
 Owner—Dr. Robertson Ward, Prem.
 Architect—Bertz, Winter & Maury, 210 Post St., San Francisco.
 Contractor—D. L. Bienfeld, 334 30th Ave., San Francisco.

Plans Being Completed.
RESIDENCE Cost, \$8000
OAKLAND, Alameda Co., Cal. Palm Avenue.
 Two-story frame and stucco residence.
 Owner—George Lewis.
 Architect—Ray Keefer, 3281 Lakeshore Blvd., Oakland.
 Bids will be taken in one week.

Preparing Working Drawings.
RESIDENCE Cost, \$20,000
SAN FRANCISCO, Miralema Drive.
 Two-story and basement frame and stucco residence.
 Owner—E. B. Ward, 1031 Irving St., San Francisco.
 Architect—Harold G. Stoner, 220 3rd Ave., San Mateo.
 Plans will be ready for bids in about three weeks.

Plans Being Figured.
RESIDENCE Cost, \$9500
SAN MATEO, San Mateo Co., Cal.
 San Mateo Park.
 Two-story frame and stucco residence

Owner—Mrs. Margaret Hansen.
 Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
 Frank Cavanaugh, 315 Highland Ave., San Mateo, is the only contractor figuring the plans.

Plans Being Prepared.
RESIDENCE Cost, \$28,000
SAN JOSE, Santa Clara Co., Cal.
 The Alameda.
 Two-story and basement frame and stucco residence (11 rooms).
 Owner—Richard Bressani, Bank of Italy Bldg., San Jose.
 Architect—Herman Krause, 243 N. Ninth St., San Jose.
 Plans will be ready for bids in 3 weeks.

GRIDLEY, Butte Co., Cal.—Edward Riley, Marysville, at \$9,000 awarded contract by Sacred Heart Catholic Church to erect parish house adjoining the edifice. Will be one-story frame and stucco, 2-story and basement, with tile roof.

SCHOOLS

Plans Being Prepared.
AUDITORIUM Cost, \$22,000
SAN RAFAEL, Marin Co., Cal.
 High school auditorium (reinforced construction).
 Owner—San Rafael Board of Education.
 Architect—N. W. Sexton, deYoung Bldg., San Francisco.
 Bids will be called for shortly.

Plans Being Completed.
SCHOOL Cost, \$35,000
UPPER LAKE, Lake Co., Cal.
 One-story reinforced concrete high school.
 Owner—Upper Lake Union High School District.
 Architect—William Herbert, Rosenberg Bldg., Santa Rosa.
 Plans will be ready for bids in three weeks.

Commissioned To Prepare Plans.
GYMNASIUM Cost, \$50,000
BERKELEY, Alameda Co., Cal. Addison and Curtis Streets.
 Burbank Junior High School gymnasium.
 Owner—Berkeley School District.
 Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.

Contracts Awarded.
SCHOOL Cost, \$—
TRANQUILITY, Fresno Co., Cal.
 Reinforced concrete and brick 16-classroom high school.
 Owner—Tranquility Union High School District.
 Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.
 General Contract—Roy Martin, Olive St., Fresno, at \$68,395.
Plumbing & Heating—Barrett-Hicks Co., 2031 Broadway, Fresno, at \$3207.

Electric Work—Robinson Electric Co., 141 College Ave., Fresno, at \$5946
 Complete list of bids follows:
General Contract
 R. Martin \$68,395
 George Wood 68,489
 W. J. Ochs 71,000
 Irwin & Hopkins 72,384
 Jolly & Harrington 73,000
 W. T. Harris 74,280
 F. J. Stone 77,071

Electric Work
 Robinson Electric Co. \$5846
 Wessel Electric Co. 6000
 Valley Electric Supply Co. 6339
 Electric Constr. Co. 6675

Commissioned To Prepare Plans.
ADDITIONS Cost, \$100,000
BERKELEY, Alameda Co., Cal.
 Classroom additions to Longfellow School.
 Owner—Berkeley School District.
 Architect—Jas. W. Plachek, Mercantile Bank Bldg., Berkeley.

Contracts Awarded.
SCHOOL \$240,000 voted to finance
MARTINEZ, Contra Costa Co., Cal.
 Two-story reinforced concrete junior high school (comprising main building, gymnasium building, and shop building).
 Owner—Alhambra Union High School District.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.

General Work
 Monson Eros, 475 6th St., San Francisco \$131,860
Heating
 C. J. Kennedy, Martinez \$9905
Electrical Work
 T. L. Rosenberg, 411 Webster St., Oakland \$8790
Metal Lockers
 Werley & Co., 39 Natoma St., San Francisco \$1585
 Linoleum bids rejected.

Completing Plans.
ADDITION Cost, \$—
DINUBA, Tulare Co., Calif.
 Auditorium addition to present school plant.
 Owner—Grand View Elementary School District.
 Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.

Plans Completed.
SCHOOL Cost, \$150,000
SIERRA MADRE, Los Angeles Co.
 Reinforced concrete school (50x200 ft.).
 Owner—Sierra Madre City School District.
 Architect—Marsh, Smith & Powell, Architects Bldg., Los Angeles.

Preparing Working Drawings.
SCHOOL Cost, \$650,000
SAN FRANCISCO. Noe and 25th Sts.
 Class A Junior High School building (to accommodate approx. 800 students).
 Owner—City and County of San Francisco.
 Architect—W. H. Crim, 488 Pine St.

Contract Awarded.
GYMNASIUM Cost, \$225,000
PALO ALTO, Santa Clara Co., Calif.
 Stanford University Campus.
 Steel frame and reinforced concrete gymnasium building (300x250 ft.).
 Owner—Stanford University.
 Architect—John Bakewell and Arthur Brown, Jr., 251 Kearny St., San Francisco.
 Contractor—George Wagner, Inc., 181 South Park, San Francisco, \$182,446.
 Plumbing, heating and electrical bids held under advisement.

Contracts Awarded.
GYMNASIUM Cost, \$—
ARCATA, Humboldt Co., Cal.
 Completion of gymnasium building (work involves plastering, etc.)
 Owner—State of California.
 Architect—Geo. B. McDougall, Public Works Bldg., Sacramento.
General Work
 Fred J. Maurer, Eureka \$15,395
Electric Work
 Arcata Elec. Shop, Arcata \$997
Plumbing, Heating and Ventilating
 Hatley & Hatley, 1710 10th St., Sacramento \$5,621

Bids Opened.

SCHOOL.
MARTINEZ, Contra Costa Co., Cal.
Two-story reinforced concrete junior high school (comprising main building, gymnasium building, and shop building).

Owner—Alhambra Union High School District.
Architect—W. H. Weeks, 111 Sutter St., San Francisco.

General Work

Prop. No. 2, add for changing corridors from wood to concrete.

Prop. No. 8, add, for case work.

Monson Bros., 475 6th St., San Francisco, \$131,860; (2) \$875; (3) \$6,850.

W. J. Seng, Fresno, \$133,953; (2) \$3,984; (3) \$7,200.

Mathews Const. Co., Sacramento, \$134,420; (2) \$2,639; (3) \$6,881.

Walace Snelgrove, Richmond, \$134,617; (2) \$1,856; (3) \$6,680.

G. P. W. Jensen, San Francisco, \$135,250; (2) \$3,600; (3) \$7,460.

A. Frederick Anderson, Oakland, \$139,335; (2) \$3,500; (3) \$7,335.

Fred. J. Westlund, Oakland, \$140,868; (2) \$3,564; (3) \$7,259.

Sjoberg & Son, S. F., \$142,628; (2) \$2,914; (3) \$7,609.

Alfred Vezina, Oakland, \$144,964; (2) \$3,900; (3) \$8,900.

Campbell Const. Co., Sacramento, \$149,542; (2) \$2,250; (3) \$12,420.

E. T. Leasure, Berkeley, \$147,968; (2) \$2,160; (3) \$6,870.

Carl N. Swenson, San Jose, \$149,000; (2) \$3,500; (3) \$7,600.

Schuler & MacDonald, Oakland, \$149,977; (2) \$4,000; (3) \$7,375.

W. C. Keating, Oakland, \$153,435; (2) \$1,940; (3) \$14,000.

Anderson & Ringrose, S. F. \$155,000; (2) \$3,750; (3) \$7,600.

Heating

C. J. Kennedy, Martinez, \$ 9,905

Pacific Heating & Ventilating Co., Oakland 10,400

Latourrette-Fical Co., Oakland 10,575

F. J. Edwards, Oakland 10,577

San Jose Heating & Ventilating Co., San Jose 10,816

W. H. Picard, Oakland 10,927

Geo. A. Schuster, Oakland 10,965

Scott Plumbing & Elec. Co., Sacramento 11,107

J. G. Greison 11,208

Scott Co., Oakland 11,290

Carl T. Doell, Oakland 11,353

George C. Bell, Oakland 11,640

Schreiber Bros., Oakland 11,996

Electrical Work

T. L. Rosenberg, 411 Webster St., Oakland \$ 8,790

Scott Plumbing & Electric Co., Sacramento 9,113

Latourrette-Fical Co., Oakland 9,340

Kenyon Elec. Co., S. F. 9,950

California Elec. Co., S. F. 9,985

Roberts Mfg. Co., Oakland 10,800

J. P. Slater, Oakland 10,989

Butte Elec. Equip. Co., S. F. 13,375

Stinchfield & Glass, Martinez 13,425

Metal Lockers

Prop. 11A. Prop. 1A.B.

Worley & Co., 39 Natoma St., San Francisco, (11A) \$1,585.

Berger Mfg. Co., S. F., (11A) \$1,670.

H. S. Crocker Co., S. F. (11A) \$3,725.

Patterson & Williams Co., S. F., (11A); (11B) \$310.

Linoleum

D. N. & E. Walter Co., 562 Mission St., San Francisco, (cork carpet) \$141.45; (Prop. No. 10, linoleum) \$774.65; (Prop. No. 15, linoleum), \$317.10.

No bids received for window shades.

Complete list of alternates obtainable from this office today. Bids held under advisement.

SAN FRANCISCO—Until May 12, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and install:

Part 1—Machinery equipment for general shops at the Park-Presidio

Junior High School and Roosevelt Junior High School.

Part 2—Small tool equipment for the general shops of the Park-Presidio and Roosevelt Junior High Schools.

Part 3—Machinery for woodworking shops of the Park- Presidio and Roosevelt Junior High Schools and the Balboa High School.

Part 4—Equipment for sheet metal shop at the Park-Presidio Junior High School.

Part 5—Equipment for Pattern Shop, Balboa High School

Specifications and further information obtainable from above office.

Low Bidder.

SCHOOLS Cost, \$138,462

OWENSMOUTH, Los Angeles Co., Cal. Owensmouth High School site.

Two two-story Class C high schools. Owner—Los Angeles Board of Education.

Architect—A. S. Nitecker Jr., Los Angeles.

Low Bidder—Gene B. Foster, 1722 N. Sycamore Ave., Los Angeles.

SAN FRANCISCO—Until May 19, 3 P. M., bids will be received by

Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver athletic goods for School Department and for Playground Commission. Specifications and further information obtainable from above.

Contract Awarded.

SCHOOL Cost, \$75,000

SACRAMENTO, Sacramento Co., Cal. Two-story brick school and convent.

Owner—Roman Catholic Bishop (St. Stephen's Parish).

Architect—Harry De Vine, California State Life Bldg., Sacramento.

Contractor—H. W. Robertson, 2633 6th Ave., Sacramento.

Following is a complete list of bids:

H. W. Robertson, Sacramento, \$66,263

W. C. Keating, Sacramento, 77,974

Lindgren & Swinerton, Inc., Sacramento 69,000

Campbell Const. Co., Sacto 69,410

McGilvray Const. Co., Sacto 72,993

Sub-Bids Being Taken.

SCHOOL Cost, \$65,000

BURLINGAME, San Mateo Co., Cal. Concrete grammar school.

Owner—Burlingame Elementary School District.

Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco.

Contractor—J. Harold Johnson, Hearst Bldg., San Francisco, at \$59,773.

As previously reported heating contract awarded to Morrison & Blair, 415 Villa Terra, San Mateo, at \$4703.

Preparing Working Drawings.

ADDITIONS, ETC. Cost, \$75,000

HAYWARD, Alameda Co., Cal. Seven -classroom addition to Bret Hart School; 4 -classroom addition to Luther Burbank School; alterations and auditorium addition to John Muir School; replace plumbing in Fairview and Markham Schools.

Owner—Hayward Grammar School District.

Architect—E. P. Whitman, 192 Main St., Hayward.

Plans will be ready for bids in about one month.

TAFT, Kern Co., Cal.—Until May 7, 4 P. M., bids will be received by H. R. Kanode, clerk, Conkey School Dist., to furnish and deliver: Spec. A, General School Supplies; Spec. B, Athletic Supplies; Spec. C, Janitors' Supplies; Spec. D, Hardware Supplies, Paints, Oils, etc.; Spec. E, Lumber; Spec. F, Gasoline and Lubricating

Oil. Spec. and further information obtainable from clerk.

Preparing Working Drawings.

SCHOOL Cost, \$20,000

YOUNTVILLE, Napa Co., Cal. One-story three-classroom hollow tile

Spanish type school.

Owner—Yountville School District.

Architect—Coffman, Sahlgren & Stafford, Forum Bldg., Sacramento, and 3529 Emerson St., Oakland.

Bids will be taken in about six weeks. Bonds have been voted to finance construction.

PALO ALTO, Santa Clara Co., Cal.

—A ten-year building program, contemplating expenditures totaling \$1,035,000, to provide more extensive accommodations for the athletic activities of the university is outlined in the annual report of the Stanford Board of Athletic Control.

The 10-year building schedule as provisionally adopted follows:

1928-29—Golf course\$ 100,000

1929-30—Women's gymnasium 225,000

Swimming pools 105,000

Baseball diamond 15,000

Golf course facilities..... 25,000

1930-31—Golf Club House..... 30,000

1931-32—Stadium 125,000

1932-33.....

1933-34—Stadium 150,000

Basketball 100,000

Playground 10,000

Handball 30,000

1934-35.....

1935-36—Squash courts 60,000

1936-37—Tennis Courts 25,000

Resurfacing old courts 10,000

Boxing, wrestling 25,000

1937-38.....

Total\$1,035,000

Plans Being Prepared.

SCHOOL Cost, \$ —

ELK CREEK, Glenn Co., Cal.

One-story concrete school (4 classrooms, auditorium, library, principal's offices, and cafeteria).

Owner—Elk Creek Union School District.

Architect—Jens C. Petersen, 826 26th St., Sacramento.

Plans Being Completed.

SCHOOL Bonds of \$45,000 Voted

SAN JOSE, Santa Clara Co., Cal. Monterey Road.

One-story school; tile roof (auditorium to seat 400).

Owner—Franklin School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Bids will be taken in ten days.

Date of Opening Bids Postponed Until May 6th.

SCHOOL & HALL Cost, \$8500

PLEASANTON, Alameda Co., Cal. School and social hall (all wood construction).

Owner—First Presbyterian Church.

Architect—Rollin S. Tuttle, Box C, Los Gatos.

Plans Being Completed.

SCHOOL Cost, \$350,000

SAN JOSE, Santa Clara Co., Cal. Two-story reinforced concrete school.

Owner—San Jose Board of Education.

Architect—J. J. Donovan, 1916 Broadway, Oakland.

Bids will be advertised after May 13th.

SACRAMENTO, Cal.—Peacock Military Academy, San Antonio, Texas, plans erection of a military school in the Sacramento district. In a communication to the Sacramento Cham-

ber of Commerce the directors of the institution stated a minimum bonus of \$100,000 in lands and subscriptions would be needed. The matter has been referred to the Chamber's industrial committee.

BANKS, STORES & OFFICES

Contract Awarded—Sub-Bids Being Taken.

STORE Cost, \$150,000
SAN RAFAEL, Marin Co., Cal. Fourth and B Sts.
Four-story and basement class B store and office building.
Owner—J. Albert, San Rafael.
Architect—S. Heiman, 605 Market St., San Francisco.
Contractor—Leibert & Trobeck, Rialto Bldg., San Francisco.

MARYSVILLE, Yuba Co., Cal.—J. R. Garrett Company's warehouse in Third St. bet. High and E Sts. will be remodeled for lease to a firm operating a chain of stores throughout the Pacific Coast. The name of the lessees will not be disclosed until remodeling plans have been fully determined. E. B. Wilcox is president of the J. R. Garrett Company.

Sub-Bids Being Taken.
REMODELING Cost, \$15,000
SAN FRANCISCO. No. 111 O'Farrell Street.
Remodel present store.
Owner—Kohler & Chase, Premises.
Architect—F. H. Meyer, 525 Market St., San Francisco.
Contractor—Clinton-Stephenson Construction Co., Monachnock Bldg., San Francisco.

SANTA MARIA, Santa Barbara Co., Cal.—Construction of brick store buildings on East Main St. will be started within a short time as follows: Building with 50 foot frontage at 217-19 E. Main for M. M. Wilts; buildings at 213-15 E. Main for Frank Silva; building on East Main for A. J. Mesquit.

RENO, Nevada—John Donovan, local attorney, files application with city council seeking building permit to erect a one-story brick store building in south side of Liberty St., between Virginia and Granite Sts.; estimated cost \$20,000. Roy A. Hardy, owner, Reno.

SAN FRANCISCO—Until May 14, 2 P. M., bids will be received by State Board of Harbor Commissioners, Ferry Bldg., for painting portions of the Ferry Building and adjoining structures. Frank White, Engineer, Ferry Bldg.

Plans Being Prepared.
OFFICE BLDG. Cost, \$40,000
WAILUKU, Maui, T. H.
Two-story territorial office building.
Owner—Territory of Hawaii.
Architect—C. W. Dickey, Honolulu, T. H.
Cement stucco exterior; concrete frame; cement block interior partitions; terra cotta tile roof; O. P. and oak interior finish; Standard plumbing goods.

Plans Being Figured—Bids Close May 31.

EXCHANGE Cost, \$85,000
HILO, Hawaii, T. H.
Two-story concrete phone exchange.
Owner—Mutual Telephone Co., Honolulu, T. H.
Architect—C. W. Dickey, Honolulu, T. H.
Terra cotta exterior; concrete frame; concrete block interior partitions; terra cotta tile roof; marble

and linoleum floors; Standard plumbing goods; hollow metal interior finish.

Plans Being Prepared.
BANK Cost, \$100,000
KAHULUI, Maui, T. H.
One-story concrete bank.
Owner—Baldwin Bank, Honolulu, T. H.
Architect—C. W. Dickey, Honolulu, T. H.
Terra cotta or cast stone exterior; terra cotta tile roofing; concrete block interior partitions; Standard plumbing goods; hollow metal interior trim.

Permit Applied For.
TELEPHONE BLDG. Cost, \$155,000
LOS ANGELES, Cal. No. 147 N. Daly Street.
Two and three-story and basement Class A reinforced concrete telephone building.
Owner—Southern California Telephone Co., 740 S. Olive St., Los Angeles.
Engineer—G. R. Morrison, 740 S. Olive St., Los Angeles.

STOCKTON, San Joaquin Co., Cal.—Forderer Cornice Works, San Francisco, awarded contract for furnishing and installing Kalamein doors in the three-story Class A store building at Stockton for S. H. Kress Co. J. S. Metzger & Son, 332 W. Jefferson St., Los Angeles, general contractors.

Bids To Be Taken In One Week.
OFFICE BLDG. Cost, \$—
SAN JOSE, Santa Clara Co., Cal. San Fernando Street.
Three-story modern office and store building (type of construction not decided).
Owner—San Jose Hardware Co., Arthur and Warren Holmes, Prop.
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.

Contract Awarded.
OFFICES Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal. The Alameda near White St.
Class C office building.
Owner—California Packing Corp., San Fernando and Bush Sts., San Jose
Architect—Eng. Dept. of Owner.
Contractor—John D. Carlson, 1331 Sierra St., San Jose.

Contract Awarded.
STORE Cost, \$7,432
SALINAS, Monterey Co., Cal. Monterey and Sausal Sts.
One-story reinf. concrete store.
Owner—Jack & Marlon Burstein, 414 Cayuga St., Salina, Cal.
Plans by Huxon & Reese, 10 E. Gablian St., Salinas.
Contractor—F. C. Carlsen, 336 Lincoln Ave., Salinas.

Contract Awarded.
STORES Cost, \$15,000
MERCED, Merced Co., Cal. 13th and L Sts.
One-story brick and concrete store and shop building, 25x135-ft.
Owner—Bedesen & McNamara Hardware Co., Merced.
Private Plans.
Contractor—Cameron & Sons, Merced.

Preparing Working Drawings.
DEPARTMENT STORE Cost, Approx. \$500,000
SAN JOSE, Santa Clara Co., Cal. First and San Carlos Sts.
Three-story Class C reinforced concrete department store.
Owner—Hale Bros., Fifth and Market Sts., San Francisco.
Architect—Binder & Curtis, 35 W-San

Carlos St., San Jose, and Swanson & Lane, Chicago, Ill.
Bids will be taken some time in May.

Plumbing Contract Awarded.
REMODELING Cost approx. \$10,000
SAN FRANCISCO. 2001 Market St.
Remodel present building.
Owner—Kresteller Motor Co., premises.
Plans by Mr. Hardy.
Contractor—A. M. Hardy, 212 Ritch Street.
Plumbing—J. Gibbs, 1706 Geary St.

SALINAS, Monterey Co., Cal.—Blue Bell Coffee Shops, E. A. Tarien, president and general manager, Main St., Salinas, organized to establish a chain of coffee shops from Santa Barbara to San Jose. Three will be built this year.

Plans Being Figured.
STORE Cost, \$150,000
SAN RAFAEL, Marin Co., Cal. Fourth and B Streets.
Four-story and basement Class B store and office building.
Owner—J. Albert, San Rafael.
Architect—S. Heiman, 605 Market St., San Francisco.

Plans Being Prepared.
REMODELING Cost, \$125,000
SEATTLE, Wash. SE 2nd Ave. and Cherry St.
Extensions, remodeling and repairs to offices.
Owner—Alaska Building Co., Alaska Bldg., Seattle.
Architect—Andrew Willatzen, Lumber Exchange Bldg., Seattle.
The whole structure will be modernized. New elevators, new lighting fixtures, considerable new plumbing, new entrance doors, marble floor in lobby and extensive lobby changes are planned.

Completing Plans.
STORE & OFFICES Cost, \$150,000
LOS ANGELES, Cal. Wilshire Blvd. and Kingsley Drive.
Two-story reinforced concrete store and offices (80x135 ft.)
Owner—S. Malsman, Jewelers Exchange Bldg., Los Angeles.
Architect—S. Charles Lee, Petroleum Securities Bldg., Los Angeles.

Plans Being Prepared.
OFFICES Cost, \$750,000
SALEM, Oregon. State and Commercial Sts.
Fourteen-story and basement class A offices (site 104x165-ft.)
Owner—Geo. Waters, Sam and Jos. Adolph and Ed. Rostein, all of Salem.
Architect—Knighdon and Howell, U. S. Bank Bldg., Portland.

MARYSVILLE, Yuba Co., Calif.—Wright and Kimbrough, real estate operators, 817 J St., Sacramento, authorized by city council to erect a one-story brick store building in Plumas street for lease to Skagga Safeway Stores.

WILLITS, Mendocino Co., Cal.—Potter Valley branch of Irvine and Muir Co., general merchandise dealers, destroyed by fire April 23. The loss is estimated at \$20,000 of which \$12,000 covered merchandise.

THEATRES

Preliminary Plans Being Prepared.
THEATRE Cost, \$300,000
WEST LOS ANGELES, Cal. Westwood Village.
Two-story and tower reinforced concrete theatre (to seat 2000)
Owner—Witheid.

Architect—W. Asa Hudson, 1328 Santa Monica Blvd., Beverly Hills.
Lessee—Fox West Coast Theatres.

Plans Being Prepared.
THEATRE Cost, \$1,500,000
LOS ANGELES, Cal. 609-619 S. Hill Street.

Class A steel frame and reinforced concrete theatre, store and (7) offices (125x325 ft.)
Owner—William Fox.
Architect—S. Tilden Norton, Financial Center Bldg., Los Angeles.

Contract Awarded.
AMPHITHEATRE Cost, \$250,000
HOLLYWOOD, Los Angeles Co., Cal. Reinforced concrete amphitheatre (to seat 9000).

Owner—Pilgrimage Play Association.
Architect—Wm. Lee Woollett, Architects Bldg., Los Angeles.
Contractor—Wm. Simpson Co., Architects Bldg., Los Angeles.

Contract Awarded.
THEATRE Cost, \$250,000
HUNTINGTON PARK, Los Angeles Co., Cal.

Class A reinforced concrete theatre and stores (114x150 ft.)
Owner—Warner Bros. Pacific States Theatres.

Architect—B. Marcus Priteca, Warner Bros. Downtown Theatre Bldg., Los Angeles.
Contractor—Lang & Bergstrom, Washington Blvd., Los Angeles.

Contract Awarded.
THEATRE Cost, \$200,000 (with furnishings)
CENTRALIA, Washington.
Class A theatre, 67x120-ft., seating 1,000.

Owner—Fox—Washington Theatres, Inc.
Architect—R. C. Reamer, Stimpson Bldg., Seattle.
Contractor—W. T. Butler Co., Central Bldg., Seattle.

Plans Being Figured.
STAGE BLDGS. Cost, \$—
WEST LOS ANGELES, Cal.
Steel frame soundproof stage buildings (212x135 ft.)
Owner—William Fox Studios.
Architect—W. Asa Hudson, 1328 Santa Monica Blvd., Beverly Hills.

Sun-Bldgs Being Taken.
THEATRE Cost, \$165,000
PASO ROBLES, San Luis Obispo Co. One and two-story reinforced concrete Class A building (theatre to seat 1200; store, offices and apartments).
Owner & Builder—Paso Robles Realty Co. (Jos. Greenback), Hearst Bldg.

Architect—Albert H. Larsen, 447 Sutter St., San Francisco.

Plans Being Figured.
THEATRE Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal. One-story and mezzanine floor concrete modern theatre (to seat approx. 1000).

Owner—Redwood Theatres, Inc., Geo. M. Mann and Chas. K. Koerner.
Architect—N. R. Coulter, 46 Kearny St., San Francisco.

Plans Being Prepared.
THEATRE Cost, \$—
SANTA BARBARA, Calif.
Class A theatre.
Owner—Fox-West Coast Service Corp.
Architect—Edward & Plunkett, Santa Barbara.

Plans Being Prepared.
REBUILD Cost, \$—
VALLEJO, Solano Co., Cal.

Rebuilding present theatre.
Owner—Fox-West Coast Service Corp.
Washington and Vermont Aves., Los Angeles.
Architect—Balch & Stanbery, Los Angeles.

Preparing Sketches.
THEATRE Cost, \$—
SANTA BARBARA, Cal.
Fireproof theatre (to seat 1200).
Owner—Guaranty Discount Corp.
Architect—Edward & Plunkett, 20 E. Figueroa St., Santa Barbara.
Lessee—Fox West Coast Theatres.

Preparing Working Drawings.
ALTERATIONS Cost, \$35,000
HOLLISTER, San Benito Co., Cal. Alterations and additions to theatre.
Owner—Withheld.
Architect—Clausen and Amandes, Hearst Bldg., San Francisco.
Contractor—Alfred Hopper, 1769 Pleasant Ave., Oakland.
Construction will probably start in two weeks.

WHARVES AND DOCKS

Plans Being Figured—Bids Close May 14, 2 P. M.

PIER Cost, \$600,000
SAN FRANCISCO. Foot of Green St. Steel frame and concrete pier (to be known as Pier No. 15).
Owner—State Board of Harbor Commissioners.
Engineer—Frank G. White, Ferry Bldg.

Certified check 5% payable to Secretary, State Harbor Commission, required with bid. Plans obtainable from Frank G. White, chief engineer for Commission, Ferry Bldg., on deposit of \$10, returnable.

MISCELLANEOUS CONSTRUCTION

Low Bidder.
SWIMMING POOL Cost, \$62,530
BALDWIN PARK, Los Angeles Co., Calif.

Reinforced concrete swimming pool; stone, tile and brick bath houses, etc.

Owner—County of Los Angeles.
Architect—None.
Low Bidder—Byerts & Dunn, 7908 Santa Monica Blvd., Los Angeles

OAKLAND, Cal.—Bass-Heuter Paint Co., 198 10th St., Oakland, submitted low bid to city council to furnish nitro-cellulose lacquer for remainder of the fiscal year, bidding \$2.50 per gal. on red and \$2.52 on yellow. The B. & M. Chemical Co., Oakland, at \$2.95 on red and \$3.20 on yellow, submitted only other bid. Taken under advisement.

SACRAMENTO, Cal.—City Commission sets June 13 as date to vote bonds of \$150,000 to finance improvements at municipal airport, involving hard-surfaced runways, drainage facilities, etc.

MODESTO, Stanislaus Co., Calif.—Standard Paving Co., Modesto, at \$80 awarded contract by city council to pave tennis court in Maze-Wren Park.

SAN BRUNO, San Mateo Co., Cal.—Until May 14, 8 P. M., bids will be received by Emil A. Bohm, city clerk, to construct and install a chain link wire fence enclosing municipal water system pumping site adjacent to San Felipe Ave. and Huntington Avenue. Certified check 10% required with bid.

QUINCY, Plumas Co., Cal.—Committees have been appointed by local business interests to campaign for

funds to finance construction of a community swimming pool in Spanish Creek, west of Long Bridge.

Contract Awarded.
ALTERATIONS Cost, \$5000
SAN FRANCISCO. No. 2651 Market Street.

Remodel exterior of undertaking parlors.

Owner—McAvoy, O'Hara & Co., Prem Architect—W. H. Crim, 438 Pine St., San Francisco.

Contractor—C. Lindberg, 1 Naylor St., San Francisco.

Plans Being Figured.
SWIMMING POOL Approx. \$20,000
SAN LEANDRO, Alameda Co., Cal. Reinforced concrete swimming pool. Owner—City of San Leandro.
Engineer—W. A. Richmond, City Engineer, San Leandro.

Contract Awarded.
SWIMMING POOL Cost, \$14,000
ATHERTON, San Mateo Co., Cal. Atherton Avenue.

Reinforced concrete swimming pool (10 dressing rooms, showers and kitchenette) (cement and brick pavements, garden, etc.)

Owner—Chas. Haas, Atherton Ave., Atherton.
Architect—Gardner Dalley, 425 Mason St., San Francisco.
Contractor—Meese & Briggs, 1425 Broadway, Burlingame.

CLYDE, Contra Costa Co., Calif.—Construction will be started in the immediate future by the Associated Oil Co. on an airport at Clyde. The runway in the first unit of the field will be 150-ft. wide and 2,500-ft. long. A complete flood lighting system is planned, according to W. P. Hugo, plant superintendent for the company at the Avon plant.

SALINAS, Monterey Co., Cal.—Until May 14, 10 A. M., bids will be received by C. F. Joy, county clerk, to construct public toilet and lavatory in Lighthouse Reservation at Pt. Pinos, in Supervisor District No. 5. Plans on file in office of clerk.

COST OF EXCHEQUER DAM

The Merced Irrigation District of Merced, Calif., has submitted a formal statement to the Federal Power Commission showing the original cost of its Exchequer dam to have been \$11,441,112.66 as of December 31, 1927. Additions and betterments prior to September 30, 1928, have cost \$15,609.15. The license was issued to the irrigation district June 10, 1924, for its 33,000-hp. project. The dam is of the simple arch type, 330 ft. high, built on a radius of 675 ft.

NAPA BUILDERS' EXCHANGE ELECTS OFFICERS

Thomas Jessiman, brick and stone contractor of Napa, was elected president of the Napa County Builders' Exchange at the annual meeting of that organization held last Thursday. Jessiman succeeds Fred Jaekle. Other officers chosen were: Vice President, Ed. Arnitz; Treasurer Wm. Noble; and Secretary, C. C. Money, Jr.

Business matters of the past year were wound up at the meeting and the organization placed in ship-shape condition for the term of the new president.

Engineering News Section

BRIDGES

SAN JOAQUIN CO., Cal.—Until May 21, 2 P. M., bids will be received by State Highway Commission to construct bridge over Mokelumne river near Lido, consisting of three 54-ft. reinforced concrete girder spans on concrete piers with pile foundations, and thirty 19-ft. timber approach spans with concrete deck on pile bents.

See call for bids under official proposal section in this issue.

CONTRA COSTA CO., Calif.—Test borings have been started by Duncan-Harrelson Engineering Co., De-Young Bldg., San Francisco, for the proposed \$15,000,000 highway toll bridge between San Pablo Point, Contra Costa County and Eels Point, Marin County.

SEATTLE, Wash.—Jacobs & Ober, resident engineers, Thompson Bldg., Seattle, are completing plans for the steel super-structure of Aurora Ave. bridge, to be constructed by the State of Washington. Some 7,500 tons of steel are involved in the super-structure construction, amounting in value to about \$1,500,000. Bids have been called by the state highway department for construction of the approaches and piers for the flanking spans of the bridge and with super-structure plans nearing completion, work will continue rapidly toward completion by July 1, 1931.

SAN RAFAEL, Marin Co., Calif.—George French, Stockton, at \$2,648 awarded contract by county supervisors to construct a reinforced concrete bridge at Dolciville on the Marshall Petaluma road in Road District No. 5, involving: 104 cu. yds. class A Port. cem. conc. in place; 3200 lbs. reinf. steel in place; 1200 cu. yds. backfill. Complete list of bids follows:

G. French, Stockton	\$2,648
MacDonald & Maggioro	3,113
J. Carcano	3,324
F. Proctor	3,518
A. T. Howe	3,638
L. Lambretti	3,736
Ranatti	3,822

SAN RAFAEL, Marin Co., Calif.—George French, Stockton, at \$1,405.70 awarded contract by county supervisors to construct a reinforced concrete bridge at Moraga Ranch on the Chileno Valley Road in Road District No. 5, involving: 58 cu. yds. class A Port. cem. conc. in place; 6300 lbs. reinf. steel in place. Complete list of bids follows:

Geo. French, Stockton	\$1,405
MacDonald & Maggioro, Sausalito	1,586
J. Carcano	1,591
Fred Proctor, Santa Rosa	1,643
A. T. Howe, Santa Rosa	1,704
Ranatti, Novato	1,715
L. Lambretti	1,903

SAN JOSE, Santa Clara Co., Calif.—John D. Carlson, 1331 Sierra St., San Jose, at \$35,637 awarded contract by city council to construct two reinforced concrete bridges, one across Guadalupe river at Park Ave. and another across Los Gatos creek at Park Avenue.

SAN JOAQUIN COUNTY, Cal.—As previously reported, bids will be received May 21 by State Highway Com-

mission to construct bridge over Mokelumne river near Lodi, consisting of three 54-ft. reinforced concrete spans on concrete piers with pile foundations and thirty-five 19-ft. timber approach spans with concrete deck on pile bents. Project involves: 1 detour bridge; 1 existing bridge to be removed; 1850 cu. yds. struct. excavation; fur. 4500 lin. ft. Douglas fir piles; fur. 10,000 lin. ft. redwood piles; drive 408 driving timber piles; 180,000 ft. b. m. redwood timber, dense select all heart struc. grade; 86,000 ft. b. m. redwood timber, select all heart struc. grade; 260 cu. yds. class C Portland cem. conc. (placed by tremie); 490 cu. yds. class A Portland cem. concrete (struc.); 475 cu. yds. class A Portland cem. conc. (pave.); 74 cu. yds. class A Port. cem. conc. (slope paving); 890 cu. yds. class B Port. cem. conc.; 170,000 lbs. reinf. steel; 6150 lbs. cast steel rockers and bearings; 1 lot misc. items of work.

EUREKA, Humboldt Co., Cal.—Until May 20, 10 A. M., bids will be received by Fred M. Kay, county Clerk, to construct steel and concrete bridge over South Fork of the Eel River at Radway will have 2-spans, each 140 ft. in length; estimated cost \$45,000. Plans obtainable from Frank Kelly, county surveyor.

MONTEREY COUNTY, Calif.—Following bids received April 30 by State Highway Commission for constructing a timber bridge across Alder Creek, about 29 miles north of San Simeon, consisting of sixteen 19-ft. spans on frame bents with concrete pedestals, involving: 600 cu. yds. struc. excav.; 140 cu. yds. class B Port. cem. conc.; 127 M. ft. b. m. redwood timber, dense select all-heart struc. grade; 48 M. ft. b. m. redwood timber, select all-heart struc. grade; 69 tons broken stone bit. macadam surf.; 6 tons asph. road oil; 1 lot, misc. items of work.

Dean Const. Co., Berkeley	\$24,246
R. B. McKenzie, Red Bluff	24,346
H. C. Whitty, Sanger	25,495
Granite Const. Co., Watsonville	25,508
M. B. McGowan, S. F.	25,880
T. M. Malno, San Luis Obispo	26,804
Smith Bros. Const. Co., Eureka	27,510

DREDGING, HARBOR WORKS & EXCAVATIONS

OAKLAND, Cal.—American Dredging Co., 255 California St., San Francisco, at \$.50 cu. yd. submitted only bid to U. S. Engineer Office, Customhouse, San Francisco, for dredging in Oakland Harbor, involving 2000 cu. yds.

OAKLAND, Cal.—American Dredging Co., 255 California St., San Francisco, at \$.93 cu. yd. awarded contract by City Port Commission for dredging at oil wharf, outer harbor.

IRRIGATION PROJECTS

COLUMBIA-GLENN COUNTIES, Cal.—Until May 5, 2 P. M., bids will be received by C. H. Whitmore, district engineer, State Highway Commission, 502 State Office Bldg., Sacramento, to construct drainage ditch between Hunter's Creek and one-half mile north of Glenn-Colusa boundary.

See call for bids under official proposal section in this issue.

TURLOCK, Stanislaus Co., Calif.—Ed. Erickson, Turlock, awarded contract by Turlock Irrigation District for improvements in Imp. Dist. No. 36, involving:

Schedule No. 1
Section No. 1. Approximately 60,658 square feet of 2-inch thick concrete canal lining, at 10c sq. ft.
Section No. 2. Approximately 67,924 square feet of 8-inch thick concrete canal lining, at 10½c sq. ft.
Section No. 3. Approximately 41,694 square feet of 2-inch thick concrete canal lining including the raising and repairing of approximately 356 ft. of old lining and flume, at 10½c sq. ft.

Schedule No. 2
Approximately 9 concrete structures a total of 16.33 cu. yds. of concrete, at \$14 cu. yd.

STREET LIGHTING SYSTEMS

SACRAMENTO, Calif.—City council abandons proceedings to install electric system in J St. between Ninth and Tenth Sts.

SALINAS, Monterey Co., Cal.—City council declares intention (\$8) to improve South Main St., bet John and San Luis Sts., and Main St., bet. San Luis and Market Sts., etc., involving removal of 50 electroliers and installation of a new system of lighting comprising 56 Union Metal standards, two-light type, together with installation of underground system. 1911 Act. Bond Act 1915. Hearing May 8. M. R. Keef, city clerk. Howard Cozzens, city engineer.

BAKERSFIELD, Kern Co., Calif.—Sam Fingerhut, 1522 19th St., Bakersfield, submitted low bid to the city council at \$13,975 to install lighting system in 17th St. bet. K St. and Union Ave., involving 72 Union Metal standards with General Elec. lighting units.

NEWPORT BEACH, Orange Co., Cal.—Harry M. Rouse, 1568 D St., San Bernardino, awarded contract by city council at \$11,367 to construct lighting system in Main St., bet. Bay Ave. and Surf Ave., and portions of A St., Bay Ave., Washington St., Palm St., Surf Ave., etc., involving 53 Marbelite standards.

BAKERSFIELD, Kern Co., Calif.—Sam Fingerhut, 1522 19th St., Bakersfield, awarded contract by city council at \$13,975 to install lighting system in 17th St. bet. K St. and Union Ave., involving 72 Union Metal standards with General Electric lighting units.

MACHINERY AND EQUIPMENT

VISALIA, Tulare Co., Cal.—Until May 19, 7:30 P. M., bids will be received by E. E. Baker, clerk, Visalia Union High School District, to furnish and deliver school bus and bus body, as follows:

1st. One fully equipped truck chassis of 3 ton capacity. Frame one piece pressed steel channels, 7½ inch maximum depth ¼ inch thick, 8¾ inch maximum flange width, support-

ed by four cross members. Engine to be a six cylinder "L" head type of not less than 241 cubic inch displacement, developing not less than 78 maximum horse power, compression ratio to be not less than 3.26 to 1. The crankshaft to be supported by 7 main bearings totaling not less than 11 inches in length and the main majority having a diameter of not less than 2 3/4 inches. All main and connecting rod bearings to be force lubricated. All connecting rod bearings to be at least 2 3/4 inches in diameter. Transmission to be selective sliding gear type with four speeds forward and one reverse. Foot brakes to be internal expanding hydraulic type with lining area of at least 380 square inches. Hand brake to work entirely separate from foot brakes and mounted on drive shaft. Drive pinion to be integral with shaft and straddle mounted on ball bearings. Rear springs to be of Hotchkiss drive construction. Wheels to be steel disc duals on rear axle, one spare wheel and tire and all wheels interchangeable. Tires to be 32x6 inch 10 ply. Equipment to consist of radiator shutters, engine speed governor, head lights and stop light, front bumper and electric horn. Wheel base to be at least 185 inches.

Said Chassis to be delivered to the said Union High School District within five days after the bid is awarded.

2nd. One complete and fully equipped motor bus bid to be built upon the chassis which said Board proposes to purchase, pursuant to the call for bids in this notice, said Chassis to be furnished by the said Union High School District, said body to have a seating capacity sufficient to seat thirty-five high school pupils.

Certified check 10% required with bid. Specifications obtainable from clerk at 802 South Court St., Visalia.

SAN FRANCISCO—Until May 12, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and install:

Part 1—Machinery equipment for general shops at the Park-Presidio Junior High School and Roosevelt Junior High School.

Part 2—Small tool equipment for the general shops of the Park-Presidio and Roosevelt Junior High Schools.

Part 3—Machinery for woodworking shops of the Park-Presidio and Roosevelt Junior High Schools and the Balboa High School.

Part 4—Equipment for sheet metal shop at the Park-Presidio Junior High School.

Part 5—Equipment for Pattern Shop, Balboa High School.

Specifications and further information obtainable from above office.

GUSTINE, Merced Co., Cal.—City council has authorized the purchase of a power lawn mower for use at municipal park.

WHITTIER, Los Angeles Co., Cal.—Until 7:30 P. M., May 5, bids will be received by city council to construct steel derrick for a water well for the City Water Department. Plans obtainable from water superintendent, M. R. Bowen. Mrs. Debbie E. Allen is the city clerk.

GALT, Sacramento Co., Cal.—Election will be held in the Galt Grammar School District on May 17 to vote a direct tax to finance the purchase of one or more school busses for transportation of students.

GRASS VALLEY, Nevada Co., Cal.—Until May 6, 7:30 P. M., bids will be received by Bertha Filled, city clerk, to furnish and deliver one 25 to 40 h. p. tractor or tracklaying type of tractor, allowance to be made for tractor no longer required by city. Certified check 10% required with bid.

LOS ANGELES, Cal.—Until 10 A. M. May 6, bids will be received by Thos. Oughlin, city purchasing agent, 105 City Hall, for furnishing an asphalt dryer; Spec. 2069.

OAKLAND, Cal.—General Engineering & Drydock Co., Ft. of 5th Ave., Oakland, at \$8975 submitted low bid to City Port Commission for dredge repairs. Other bids, all taken under advisement, were: Bethlehem Shipbuilding Corp., \$9470; Moore Drydock Co., \$9829; Crowley Launch & Towboat Co., \$12,162.

SANTA MARIA, Santa Barbara Co., Cal.—Until May 14, 8 P. M., bids will be received by F. J. McCoy, clerk, Santa Maria Union High School District, to furnish the following equipment:

(a) One or more gasoline motor bus chassis capable of accommodating 50 to 55 passenger bodies, the motor to be of sufficient size to attain a speed of at least 35 miles per hour without undue racing of the engine. Price must include speedometer, spare tire carrier, spare tire, electrical equipment, war tax.

(b) Bus bodies for above type of chassis. Submit bids on 50 to 55 passenger types, said bodies to have multiple or single doors, permanent top and windshield and the price to include complete painting, lettering, finishing, war tax, and all extra equipment demanded by law. Further information obtainable from clerk.

FIRE EQUIPMENT

BERKELEY, Alameda Co., Cal.—City council rejects bids to furnish and deliver fire truck and new bids will be asked. Florence Turner, city clerk.

FOLSOM, Sacramento Co., Calif.—State Board of Prison Directors will recommend the purchase of a new fire fighting truck for Folsom State Prison.

OAKLAND, Cal.—Wm. G. Lutkey, fire chief, recommends purchase of two water pumping trucks equipped with other fire fighting equipment. Requests taken under advisement by city council.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN FRANCISCO—Until May 12, 3 P. M., bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver six miles of 3/4 round high strength copper alloy trolley wire for Municipal Railway. Further information obtainable from above.

PIPE LINES, WELLS, ETC.

SACRAMENTO, Cal.—Until May 6, 11 A. M., under Order No. 1810-1623, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver welded dredge pipe. Spec. and further information obtainable from above office.

OAKLAND, Cal.—Pacific Coast Engineering Co., Foot of 14th St., Oakland, awarded contract by City Port Commission to furnish 3000 ft. to 4000 ft. dredge shore pipe at \$25.35 ft.

SEWERS AND SEWAGE DISPOSAL PLANTS

DAVIS, Yolo Co., Cal.—Bids will be asked shortly by city trustees for certain improvements in connection with sewer line from pumping station 3/4 mile to the sump.

RENO, Nevada—City council plans a special bond issue to build additional sewers, in addition to the \$350,000 in bonds authorized for the sewage disposal system has been issued.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes specifications to sewer Pennsylvania Ave., between 23rd and 25th Sts., involving:

- 443 lin. ft. 21-in. V. C. P. sewer;
- 233 lin. ft. 12-in. V. C. P. sewer;
- 906 lin. ft. 12-in. V. C. P. sewer;
- 8 21x6-in. Y or T branches;
- 4 15x6-in. Y or T branches;
- 23 12x6-in. Y or T branches;
- 690 lin. ft. 6-in. V. C. P. side sewers;
- 6 brick manholes.

Estimated cost \$6925.

HEALDSBURG, Sonoma Co., Cal.—City trustees plan to construct 300 ft. of sewer in section north of the railroad tracks to serve Oak Lawn Inn. Est. cost \$750. Archer B. Stuart, city engineer.

SAN MATEO, San Mateo Co., Cal.—Until May 5, 8 P. M., bids will be received by E. W. Foster, city clerk, (20-1) to construct 6, 8, 10, 12, 15, 18 and 21 inch vit. clay pipe sanitary sewers 4-inch cast iron pumping mains; brick manholes; vit. clay pipe sewer laterals; steel reinforced concrete sumps with sewage pumps, motors, piping, etc., in the Bessford Park District; estimated cost \$60,000. 1911 Act. Bond Act 1915. Certified check 10% payable to City required with bid. Plans on file in office of clerk.

LIVERMORE, Alameda Co., Cal.—Until May 12, 8 P. M., bids will be received by Elmer G. Still, town clerk, to construct extension to sewer system in North 1 St., bet. Railroad Ave. and Junction Ave. Certified check 10% payable to town clerk required with bid. Plans on file in office of clerk. L. E. Wright, town engineer.

LONG BEACH, Cal.—The city council has started proceedings for a storm drain project in the northeast and northwest sections of the city. The former will cost \$80,000 and the latter \$235,000. Herbert Paterson of the Long Beach engineering department, will have charge of the work.

SAN MARINO, Los Angeles Co., Cal.—Until 8 P. M., May 14, bids will be received by the city council for the construction of a sewer in La Mirada Ave., Euclid Ave., Hermosa St., Las Flores Ave. and other streets, under 1911 act, involving: 8850 ft. 8-in., 388 ft. 15-in., 3023 ft. 18-in., 1055 ft. 21-in., 652 ft. 27-in., and 45 ft. 30-in. vit. sewer; 54 manholes; 13 flush tanks. H. W. Joyce, city clerk. Wm. Chalmers, Braley Bldg., Pasadena, city engineer.

April 26, 1930
LONG BEACH, Cal.—The \$3,400,000 sewer bond issue of County Sanitation District No. 3 was defeated at the election April 21.

LOS ANGELES, Cal.—Ordinance of intention No. 66,392 has been adopted by the city council for construction

of a storm drain system in what is known as the Jefferson Storm Drain Section No. 3. The total length is about 37,474 lin. ft. and the system will involve cement pipe, of sixes from 12-in. for the pipe up to the box section of 4 ft. 6 in. by 7 ft. 6 in. The approximate cost is \$300,000. Martin Simonovich submitted the low bid in 1927 when bids were first taken, at \$402,727. The contract was awarded to him on April 14, 1927, but rescinded later. Protest hearing on the new proceedings has been set for May 27.

SAN FRANCISCO.—Municipal Bureau of Engineering seeks \$750,000 in 1930-31 budget to finance main sewer extensions in various sections of the city.

MODESTO, Stanislaus Co., Calif.—Following bids taken under advisement by city council until May 14 for sewer farm equipment:

(1) One sewage clarifier and mechanical skimmer to serve sewer area of not less than 2,950 sq. ft. Water Works Supply Co., 501

Howard St., San Francisco, \$4,560
Dorr Co., San Francisco, \$2,274

(2) One sludge digester, 30-ft. diameter, 18-ft. deep:

Dorr Company, \$4,727
Water Works Supply Co., 5,074

(3) One sewage sludge pump, 80 g.p.m.:

Industrial & Municipal Supply Co., 7 Front St., S. F., \$506
Water Works Supply Co., 540
Dorr Company, 1,640

MISCELLANEOUS CONSTRUCTION

SAN DIEGO, Cal.—E. M. Elliott, representing the American Bridge & Ferry Co. of New York, has announced that he is ready to present to the city council plans for a tunnel between Coronado and San Diego. A formal application for a franchise will be made. The San Francisco Bridge & Toll Co. has already been granted a franchise to construct a tunnel.

WATER WORKS

SAN FRANCISCO.—Petroleum Equipment Co. awarded contract by Board of Supervisors to furnish and deliver for municipal water department, standard weight, galvanized wrought steel pipe, in random lengths, to be ordered for mill shipment, f. o. b., 639 Bryant St., with 35 days, as follows:

	Per 100 Ft.
500 ft. ¾ in.	\$ 5.12
20,000 ft. ¾ in.	6.28
1,000 ft. 1 in.	8.96
2,500 ft. 1 ½ in.	14.50
20,000 ft. 2 in.	19.51
200 ft. 3 in.	40.35

SAN BRUNO, San Mateo Co., Cal.—J. P. Lawlor, 242 17th Ave., San Francisco, at \$8,512.50 awarded contract by city council to construct extension to water system in Belle Air Park. Complete list of bids follows:

J. P. Lawlor	\$ 8,512
DeGoyler & Bruce	8,563
Ajax Const. Co.	8,729
E. W. Redman	8,893
H. E. Conner	8,908
C. B. Goodwin	8,975
V. Dizillo	9,681
Fred Meyer	10,630

SACRAMENTO, Cal.—City commission sets June 13 as date to vote bonds of between \$350,000 and \$450,000 to finance construction of a new sedimentation basin and minor re-

pairs to the municipal filtration plant.

SAN BERNARDINO, Calif.—Until May 13, bids will be received by City Board of Water Commissioners to furnish 7,000 ft. piping to be laid to tap stream in mountains above Devil Canyon to supply Newmark Reservoir. In addition to this, bids will be considered to furnish and deliver pipe costing approximately \$30,000, which will include 20,000 ft. 6-in. and 20,000 ft. 4-in. for replacements in municipal water system. Specifications obtainable from city clerk.

LOS ANGELES, Cal.—Rich Mfg. Co. awarded contract by water and power bureau at \$6400 for fire hydrants under Adv. 1313, involving: 194 2 ½-in. single outlet fire hydrants at \$32 ea.; 6 2 ½-in. single outlet fire hydrants, each including 24-in. bury (middle section), at \$32 each.

LONGVIEW, Wash.—Stevens & Koon, consulting engineers, Spalding Bldg., Portland, Ore., commissioned by Washington Gas & Electric Co., operators of waterworks system at Longview, to prepare plans for waterworks improvements, involving gravity type filtration plant, additional reservoir, steel pumping main, intake, pumps, motors and auxiliary equipment for a complete new water supply. The work to be undertaken at once will consist of three million-gallon units of a plant which may be expanded to a total capacity of 12,000,000 gallons per day. The cost of the work to be done this year will exceed \$200,000.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., May 6, bids will be received by the city council for furnishing and installing two deep well turbine pumps in accordance with plans prepared by Salisbury, Bradshaw & Taylor, 745 Petroleum Securities Bldg., Los Angeles. B. J. Firminger, city clerk.

BEVERLY HILLS, Los Angeles Co., Cal.—Until 8 P. M., May 6, bids will be received by the city council for furnishing waterworks brass goods in accordance with specifications prepared by Salisbury, Bradshaw & Taylor, 745 Petroleum Securities Bldg., Los Angeles. B. J. Firminger, city clerk.

PLAYGROUNDS & PARKS

ELKO, Nevada.—Elko Park Commission has approved plans for 15-acre public park on the China Ranch, just east of Elko. Lay-out plans have been completed by C. H. Healy, landscape artist of Salt Lake City.

STREETS AND HIGHWAYS

SAN FRANCISCO.—Until May 7, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Section E of the Alemany Blvd. at Inter. of Sagamore St. and Orizaba Ave., under Contract No. 20, involving 31,800 sq. ft. asph. conc. pave. consisting of 1 ½-in. asph. surface, 1 ½-in. under course and 8-in. class E conc. base; 1900 sq. ft. 1-course conc. sidewalk; 2200 sq. ft. 4-in. macadam sidewalk; 215 lin. ft. armored concrete curb; 570 lin. ft. r.w. conc. curb, exposed surfaces painted; 60 lin. ft. r.w. heplers, 2x10-in., one 9-unit warming reflector section post. Est. cost, \$11,000. Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall, on deposit of \$10, returnable.

SALINAS, Monterey Co., Cal.—Granite Const. Co., Watsonville, at \$17,-

\$88.90 awarded contract by county supervisors to grade and surface portion of Salinas River road. W. A. Dontanville, Salinas, bid \$27,837.50.

SALINAS, Monterey Co., Cal.—Granite Const. Co., Watsonville, at \$20,368 awarded contract by county supervisors to grade and surface Toll road from Werner's Hill to Castrovilla. W. A. Dontanville, Salinas, bid \$24,275.

MODESTO, Stanislaus Co., Calif.—Proceedings will be started at once by city council to pave alley between Sycamore and Magnolia Aves., and Alice St. and Needham Ave. Frank J. Rossi, city eng.

MODESTO, Stanislaus Co., Calif.—Standard Paving Co., Modesto, at \$980 awarded contract by city council to pave tennis court in Maze-Wren Park.

REDWOOD CITY, San Mateo Co., Cal.—City council declares intention (M-7) to improve Minnie St. between Broadway and James St., and George St. bet. Minnie and El Camino Real, involving:

403 lin. ft. 6-in. vit. clay sewer;
12 4x6-in. sewer wyes;
464 lin. ft. 4-in. vit. clay sewer;
3 brick manholes with cast iron frames and covers.
1911 sq. ft. pavement to be removed;
1668 lin. ft. integral curb;
43258 sq. ft. cem. conc. pave.;
54692 sq. ft. rock cushion with 1-in. sand cushion;
3930 sq. ft. sidewalk with rock cushion 3-in. thick and 1-in. sand cushion;

1109 cu. yds. cutting;
483 cu. yds. filling;
2954 lin. ft. 3x7-in. headerboards;
1 reinf. cem. conc. culvert 5x4-ft. with two catchbasins with cast iron frames and gratings;
520 lin. ft. 12-in. storm water sewer with 3 catchbasins and c. i. frames
1 complete electrolier system, being 15 2-light electroliers and 18 single light electroliers, with conduit wiring transformers, etc.

1911 Act. Bond Act 1915. Hearing May 5. B. E. Myers, city clerk. C. L. Dimmitt, city engineer.

REDWOOD CITY, San Mateo Co., Cal.—City council declares intention (M-6) to improve portions of Maple St., etc., involving:

1465 sq. ft. 4-in. sidewalk;
3 cem. conc. catchbasins with c. i. frames and gratings;
80 lin. ft. 12-in. cem. conc. pipe;
135 sq. ft. cem. conc. gutter;
747 lin. ft. cem. conc. integral curb;
1314 sq. ft. asph. conc. pavement on bridge;
37141 sq. ft. 6-in. cem. conc. pave. 6-in. thick; 8-in. thick on center line tapering to 6-in.
39313 sq. ft. rock cushion, 3-in. thick and 1-in. sand cushion;
1420 cu. yds. cutting;
179 cu. yds. filling;
1911 Act. Bond Act 1915. Hearing May 5. B. E. Myers, city clerk. C. L. Dimmitt, city engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Irving L. Ryder, 205 Almaden Ave., San Jose, awarded contract by the city council at \$16,064 to improve Santa Rosa St., bet. Hathaway Ave. (Sycamore St.) and northeast city limits, involving 6-in. to 8-in. concrete pavement, corrugated iron culverts, walks and curbs; 1911 Act.

MARTINEZ, Contra Costa Co., Cal.—County supervisors declare intention (3) to widen Lowell Ave. from 36th St. to San Pablo Ave., and 36th St., bet. Lowell and Andrade Ave., involving grading; Durite asph. conc. pavement on broken rock cushion cem. conc. curbs, gutters; vit. iron

stone sewers; br. and conc. manholes. Acq. and Imp. Act 1925. Hearing May 19. Edw. A. Hoffman, engineer, City Hall, Richmond. J. H. Wells, county clerk.

MONO COUNTY, Cal.—Until May 7, 2 P. M., bids will be received by F. G. Sommer, division engineer, State Highway Commission, Bishop, to furnish and apply as dust layer, heavy fuel oil on 24 miles between the summit of Sherwin Hill and the Devil's Punch Bowl. Specifications obtainable from above.

MONO COUNTY, Cal.—Until May 7, 2 P. M., bids will be received by F. G. Sommer, division engineer, State Highway Commission, Bishop, to furnish and apply as dust layer, heavy fuel oil on 16.3 miles between Devil's Punch Bowl and Leeving and at Bridgeport. Specifications obtainable from above.

SAN FRANCISCO—Until May 7, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, for grading Phelps St. bet. Jerrold and Evans Aves., including crossings. Estimated cost \$10,-800. Certified check 10% payable to clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd Floor, City Hall.

SAN FRANCISCO—Until May 7, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Utah St., bet. 15th and 19th Sts., and 19th St., bet. Utah St. and San Bruno Ave., including grading; conc. retaining walls; asphalt conc. pave., etc. Est. cost \$24,000. Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd Floor, City Hall.

OAKLAND, Cal.—Jones & King, Hayward, at \$118,904 awarded contract by county supervisors to improve East 14th St., bet. San Leandro city limits and Ashland, involving asphalt conc. pavement.

SALINAS, Monterey Co., Cal.—Until May 14, 10 A. M., bids will be received by C. F. Joy, county clerk, to construct asphalt macadam wearing surface on Carmel Valley road in Supervisor District No. 5. Plans obtainable from County Surveyor Howard Cozzens.

LYON & CHURCHILL COUNTIES, Cal.—Basalt Rock Co., Napa, at \$18,278.17 awarded contract by State Highway Commission to furnish and apply asphaltic fuel oil to crushed rock or crushed gravel surface between 1/2 mile west of Fernley and Fernley and from 3 m. east of Fernley to Leteerville, a distance of 17.35 miles. Engineer's estimate, \$24,583.02.

LYON COUNTY, Nev.—Dodge Bros., Fallon, Nevada, at \$62,297.80 awarded contract by State Highway Commission to grade; construct structures and place surfacing material on 22.47 miles bet. Towle Ranch and Fernley. Engineer's estimate \$70,812.87.

LYON COUNTY, Nevada.—Nevada Rock and Sand Co., Reno, at \$85,675.-25 awarded contract by State Highway Commission to grade; construct structures and place surfacing material on 11.73 miles bet. Yerington and Wilson's. Engineer's estimate, \$102,-247.80.

LOS ANGELES, Cal.—Until 2 P. M., May 5, bids will be received by the county supervisors for 3500 rail-

road ties, No. 1 and No. 2, treated and untreated, Oregon pine ties. E. C. Eaton, chief engineer, Los Angeles county flood control department.

HUMBOLDT COUNTY, Cal.—Until May 21, 2 P. M., bids will be received by State Highway Commission to improve 5.2 miles of highway between Loloita and 2 miles north of Beatrice, 2.6 miles to be graded and 5.2 miles surfaced with river run gravel. See call for bids under official proposal section in this issue.

SANTA CRUZ, Santa Cruz Co., Cal.—Earl W. Hepple, San Jose, at \$13,767 awarded contract by county supervisors to grade and pave 4000 ft. of Mount Hermon road, just west of that section of the road between Camp Evers and Felton. Complete list of bids follows:
E. W. Hepple, San Jose.....\$13,767
J. L. Connor, Monterey.....14,528
J. P. Holland, Inc., S. F.....15,987
Pacific Coast Constr. Co., S. F. 18,860
W. A. Dontanville, Salinas.....19,384
W. C. Colby, San Francisco.....20,698

MENLO PARK, San Mateo Co., Cal.—City trustees reject bids to improve portions of College Ave. and Cambridge Ave., involving grading; comb. hyd. conc. curbs and gutters; pave with 3-in. asphalt conc. surface on 4-in. waterbound macadam base; 4-in. vit. pipe sewer laterals; hyd. conc. conc. storm water sewer. Peninsula Paving Co., San Francisco, submitted the lowest of six bids at \$64,518.

VISALIA, Tulare Co., Cal.—County supervisors reject petition seeking construction of new road from Visalia municipal airport to Dinuba, on the grounds that it would be "too costly."

VALLEJO, Solano Co., Calif.—City council starts proceedings to improve Indiana St. between Amador and Colusa Sts. T. D. Kilkenny, city eng.

SAN FRANCISCO—Municipal Bureau of Engineering seeks \$200,000 in 1930-31 budget to finance extension of Castro St., and \$250,000 to finance widening of Army St.

MODESTO, Stanislaus Co., Calif.—City council declares intention (215) to improve alley through Block No. 534, from Needham St. to point 13.50 ft. north of Alice St., involving grading; cem. conc. pave.; O. P. headers. 1911 Act. Bond Act 1915. Hearing May 14. H. E. Gragg, city clerk. Frank Rossi, city eng.

WILLOW GLEN, Santa Clara Co., Cal.—City trustees declare intention (No. 55) to improve portions of Bird Ave. involving grading; 1 1/2-in. Durite asphalt conc. surface pavement on 3-in. asphalt conc. base; cem. conc. walks,

curbs, gutters; corr. galv. iron culverts; cem. conc. pipe culverts. 1911 Act. Bond Act 1915. Hearing May 12. Dana Thomas, city clerk.

SALINAS, Monterey Co., Cal.—Until May 14, 10 A. M., bids will be received by C. F. Joy, county clerk, to surface with asphalt macadam King City-Jolon, San Lucas-Lockwood, Lonoak, Bitterwater and King City-Metz roads, all in Supervisor District Nos. 3 and 4. Plans on file in office of County Surveyor Howard Cozzens.

TEHAMA COUNTY, Calif.—Until May 15, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, to grade 7.71 miles of Section E of Route No. 1, Loop Route, Lassen Volcanic National Park Highway, involving:
46 acres clearing;
90,050 cu.yds. unclass. excav.;
530 cu. yds. unclass. excav. for structures;
6,250 cu. yds. unclassified excav. for borrow;
25,000 sta. yds. overhaul;
7.71 miles finishing;
63 cu. yds. cem. rubble masonry;
2,126 lin. ft. corr. metal pipe (in place);
(Maintenance of existing road, extra work, est. \$500);
7,200 cu. yds. misc. hauling borrow;
Plans obtainable from District Engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco.

TEHAMA CO., Cal.—Until May 15, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, to surface 7.52 miles of Sections C-3 and C-4 and portions of Sections C-1 and C-2 of Route No. 1, Loop Section, Lassen Volcanic National Park Highway, involving:
3,000 cu.yds. unclass. excavation (borrow and slide removal);
752 mi. fine grading subgrade and shoulders;
14,900 cu. yds. crushed rock surfacing;
1,750 cu. yds. supplemental crushed rock;
2,100 cu. yds. additional binder;
6,000 cu. yds. miscellaneous hauling binder;
900 M. gals. watering;
341 lin. ft. 6-in. vit. tile underdrain (in place).
Plans obtainable from District Engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco. years.

SACRAMENTO, Cal.—A. Telchert & Son, 1846 37th St., Sacramento, awarded contract by city council (2299) to improve alley bet. D and E Sts., 10th and 11th Sts., involving c. i. drains; vit. pipe sewers; 1-in. water main connections; grading; hyd. concrete pavement.

CONTRACTORS' MACHINE WORKS

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Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 ZOE ST., bet. 3rd and 4th, off Brannan St.

Phone KEarny 1885

SAN FRANCISCO

FAIRFIELD, Solano Co., Cal.—Until May 9, 11 A. M., bids will be received by F. W. Birchmore, chairman, Board of Directors of Joint Highway District No. 5, to repair present oil surface roadway running from a point near the Toll Gate Entrance to the Carquinez bridge northerly about 3/4 mile to joint with Solano County Road No. 619. Certified check or bond 10% required with bid. Plans obtainable from County Surveyor F. A. Steiger, Fairfield.

SAN JOSE, Santa Clara Co., Cal.—San Jose Paving Co., Dupont St., San Jose, awarded contract by city council (5056) to improve Taylor St., bet. 13th and 19th Sts., involving grading 1 1/2-in. asph. conc. surface, 3-in. asphalt concrete base pavement; conc. curb, walks; 4-in. vitrified pipe house lateral sewers; cem. conc. storm water inlets; 6-in. vit. pipe san. sewers.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch, 46 Kearny St., San Francisco, submitted low bid to city council (5070) to improve Garland Avenue bet. Race and Keeble Aves., involving grading 1 1/2-in. asph. conc. surface on 2 1/2-in. asph. conc. base; cement concrete curbs, gutters, walks taken under advisement.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch, 46 Kearny St., San Francisco, awarded contract by city council (5039) to improve Vendome Ave., bet. Hobson and Polhemus Sts., involving grading; 1 1/2-in. asph. conc. surface, 2 1/2-in. asph. conc. base pave.; cem. conc. curbs; walks; 4-in. vit. san. house lateral sewers.

SACRAMENTO, Cal.—A. Telchert & Son, 1846 37th St., Sacramento, awarded contract by city council (2300) to improve alley bet. C and D Sts., Alhambra Blvd. and 32nd St., involving c. l. drains; vit. sewers; cem. manholes; 1-in. water main connections; grading; hyd. conc. pavement.

SAN MATEO CO., Cal.—Until May 20, 10:30 A. M., bids will be received by R. J. Martin, secretary, Joint Highway District No. 9, Room 235 City Hall, San Francisco, to grade and construct concrete structures in San Mateo county on the San Pedro Mountain Unit between Rockaway Beach and Parallone City, Section A, approximately 2.78 miles in length; and Section B approximately 1.86 miles in length. Certified check 10% payable to Secretary of Joint Highway District No. 9, State of California, required with bid. Plans obtainable from City Engineer, Room 385 City Hall, San Francisco and from George A. Kneese, county surveyor, Courthouse, Redwood City.

VALLEJO, Solano Co., Cal.—Louis Tagnon, Vallejo, awarded contract by city council (170) to improve Kessel alley, bet. Butte and Branciforte Sts., involving 236 cu. yds. grading (excavation), \$35 cu. yd.; 800 lin. ft. r.w. curbs, \$33 lin. ft.; 6,400 sq. ft. conc. pave., \$20 sq. ft.

SAN RAFAEL, Marin Co., Calif.—City council declares intention (496) to improve Sixth St. bet. Cottage Ave. and E St., involving:
13,552 sq. ft. 4-in. stone sub-base;
13,552 sq. ft. 4-in. asph. conc. pave.;
1,212 lin. ft. 3x6-in. redwood header board;
52 lin. ft. conc. curb and gutter;
2 catchbasins.
1911 Act. Bond Act 1915. Hearing May 8. Eugene W. Smith, city clerk. H. K. Brainerd, city manager.

SAN RAFAEL, Marin Co., Calif.—City council declares intention (493) to improve G and Ida Sts., and one unnamed street, involving:
1,812 cu. yds. excavation;
31,774 sq. ft. 5-in. asph. conc. pave.;
6,034 sq. ft. 4-in. do;
22,080 sq. ft. 3-in. do;
40 tons 2-in. do;
17 tons conform do;
59,883 sq. ft. 4-in. stone sub-base;
3,222 lin. ft. conc. gutter;
45 lin. ft. 3x6-in. r.w. header;
96 lin. ft. 4-in. I. S. P. sewers;
4 catchbasins
43 lin. ft. 10-in. corr. iron pipe;
30 cu. yds. conc. (shallow sewer protection);
430-in. corr. arch and conc. culvert (38 lin. ft. complete;
50 lin. ft. using existing metal)

1911 Act. Bond Act 1915. Hearing May 8. Eugene W. Smith, city clerk. H. K. Brainerd, city manager.

HUMBOLDT COUNTY, Cal.—As previously reported, bids will be received May 21 by State Highway Commission to grade 2.6 miles and surface with river run gravel, 5.2 miles, between Loleta and 2 miles north of Beatrice. Project involves: 86,000 cu. yds. rdwy. excav. without class; 1,220,000 sta. yds. overhaul; 400 cu. yds. structure excavation; 20,500 cu. yds. river run gravel surfacing; 1320 M gals. water applied to surfacing; 15 cu. yds. class A Port. cement concrete (structures); 500 lbs. bar reinf. steel (structures); 66 lin. ft. 12-in., 362 lin. ft. 18-in., 53 lin. ft. 24-in., 78 lin. ft. 30-in., 53 lin. ft. 36-in. and 120 lin. ft. 48-in. corr metal pipe; 200 lin. ft. 8-in. perforated metal pipe underdrain; 4 catch. move and reset concrete headwalls; 234 stations finishing roadway; 20 monuments complete in place. State will furnish corrugated metal pipe.

SACRAMENTO, Cal.—A. Telchert & Son, 1846 37th St., Sacramento, at \$9,-

299 awarded contract by county supervisors for asphalt macadam pavement on Market avenue in Fourth Supervisory District.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes specifications to improve Olney Ave., between 3rd St. and San Bruno Ave., involving:
416 cu. yds. excavation;
335 cu. yd. embankment;
390 lin. ft. armored concrete curb;
75 lin. ft. 6-in. V. C. P. side sewer;
72 lin. ft. granite curb (to be reset);
32 lin. ft. granite curb (to be constructed);
2,340 sq. ft. 1-course conc. sidewalks;
6,840 sq. ft. 6-in. Class "E" conc. pavement;
326 sq. ft. 2-course conc. conform sidewalks;
150 sq. ft. asph. conc. conform pavement;
2 brick catchbasins (to be reset).
Estimated cost \$2350.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, 3rd Floor, City Hall, completes specifications to improve 25th St., bet. Fountain and Burnham Sts., involving:
100 cu. yds. excavation;
100 cu. yds. embankment;
594 lin. ft. armored concrete curbs;
105 lin. ft. 10-in. V. C. P. culverts;
32 lin. ft. 12-in. V. C. P. sewer;
340 lin. ft. 6-in. V. C. P. side sewers
3 brick catchbasins;
660 sq. ft. 1-course concrete sidewalk;
8,500 sq. ft. 6-in. Class "E" concrete pavement, consisting of 2-in. asps. conc. surface on 6-in. Class "F" conc. base.
Estimated cost \$4500.

WOODLAND, Yolo Co., Calif.—City council declares intention (533) to improve alley bet. Third and Fourth Sts., Main St. and Lincoln Ave., involving 3 1/2-in. asph. conc. pavement with 1 1/2-in. asph. conc. surface.

1911 Act. Bond Act 1915. Hearing May 12. J. H. Laugenour, city clerk.

SAN FRANCISCO—Bureau of Engineering, Department of Public Works, completes specifications to improve 11th Ave., bet. Moraga and Noreiga streets, involving:
8,183 cu. yds. excavation;
282 cu. yds. embankment.
1,294 lin. ft. concrete curbs;
620 lin. ft. 8-in. V. C. P. sewer;
70 lin. ft. 12-in. V. C. P. sewer;
720 lin. ft. 6-in. V. C. P. side sewers
105 lin. ft. 10-in. V. C. P. culverts;
660 sq. ft. 1-course conc. sidewalks;
3 brick manholes;
36 8x6-in. Y or T branches;
3 brick catchbasins;
28,893 sq. ft. asph. conc. pavement, consisting of 2-inch asph. conc. surface, 6-in. Class "F" conc. base.
Estimated cost \$15,600.

SAN MATEO, San Mateo Co., Cal.—City council declares intention (30-4) to improve portions of 17th Ave., 19th Ave., 20th Ave., etc., involving grading; hyd. cem. conc. pave.; hyd. cem. conc. curbs; cem. conc. walks; circular conc. pipe storm water catchbasins; hyd. cem. conc. pipe storm water sewers; reinf. conc. box culvert; san. sewers of vit. and c. l. pipe.

1911 Act. Bond Act 1915. Hearing May 19. E. P. Wilsey, city engineer. E. W. Foster, city clerk.

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SPECIFY -- USE

Timpie Hydrated Lime

STRONG—PURE—PLASTIC

Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT, AND SAND FLOAT FINISH

Sold by Representative Dealers Everywhere

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

509	Rhine	Owner	1000
510	Anderson	Owner	3500
511	McAvoy	Owner	4500
512	Clark	Siri	1000
513	Gary	Healy	2300
513	Grossman	Owner	4000
514	Hoelscher	Papenhausen	15000
515	Mason	Mullen	1800
516	Meyer	Owner	16000
517	Meyer	Owner	12000
518	Olstad	Owner	6000
519	Weinstein	Owner	2000
520	Benson	Owner	4200
521	De Matei	Owner	1500
522	Brokenshire	Siggs	5000
523	Maffucci	Capelletti	3500
524	Michelletti	Coburn	2000
525	Work	Bienfield	2500
526	Costello	Owner	4000
527	Felton	Iwrin	1000
528	La Rocca	De Luca	4800
529	Stenmen	Owner	4000
530	Union	Barrett	5000
531	Glide	Monson	304,860
532	Guardino	Ghezzi	7000
533	Kavanaugh	Owner	7500
534	Maguire	Joubert	2000
535	McCabe	McCabe	5000
536	Russell	Mattock	4000
537	Stoneson	Owner	5000

ALTERATIONS

(508) SE GROVE AND DIVISADERO. Alter office, etc. of present public garage.

Owner—Mrs. F. E. Clark, 636 16th Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Siri & Bott, 43 Emerson St., San Francisco. \$1000

ALTERATIONS

(509) N CALIFORNIA 87 W Hyde. Alter store.
Owner—S. Rhine and A. Stoff, 150 Post St., San Francisco.
Architect—P. C. Fisher, 744 Call Bldg., San Francisco. \$1000

DWELLING

(510) NW PRAGUE 225 NE Persia; one-story and basement frame dwelling.
Owner—G. R. Anderson, 4607 Mission Street.
Architect—None. \$3500

ALTERATIONS

(511) 2051 MARKET ST.; alterations to undertaking parlors.
Owner—McAvoy & O'Hara Co., 2051 Market St.
Architect—W. H. Crim, Jr., 438 Pine Street. \$4500

ALTERATIONS

(512) 690 23rd AVE.; alterations and addition to dwelling.
Owner—G. L. Gary, Jr., 690 23rd Ave.
Architect—None.
Contractor—H. P. Healy, 3418 Borton Ave., Oakland. \$2300

DWELLING

(513) SE CORDOVA and Seville; 1-story and basement frame dwelling.
Owner—W. E. Grossman, 47 Curtis St.
Architect—None. \$4000

SHOP

(514) W POTRERO AVE. 225 N 19th St.; one-story concrete shop.

Owner—V. F. Hoelscher, D. Rosenblum, Flatiron Bldg.
Architect—W. C. Falch, Hearst Bldg.
Contractor—H. Papenhausen. \$15,000

ALTERATIONS

(515) N GEARY 150 E Stockton; alterations to store.
Owner—Etta Mason, 160 Geary St.
Architect—None.
Contractor—Mullen Mfg. Company, 60 Rausch St. \$1500

DWELLINGS

(516) E 22nd AVE. 25 N Wawona; four 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr.
Architect—None. each \$4000

DWELLINGS

(517) N EVELYN 99 W Teresita; three 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr.
Architect—None. each \$4000

STORES & APTS.

(518) SW NAPLES and Brazil; two-story and basement (2) apts. and stores.
Owner—J. N. Olstad, 66 Margaret St.
Architect—None. \$6000

ALTERATIONS

(519) 1035 MARKET ST.; alterations to install elevator.
Owner—I. Weinstein Inv. Co., 1035 Market St.
Architect—Hyman and Appleton, 68 Post St. \$2000

DWELLING

(520) E 16th AVE. 150 S Taraval St.; one-story and basement frame dwelling.
Owner—A. J. Benson, 158 Miramar Avenue.
Architect—None. \$4200

ALTERATIONS

(521) 38 TINGLEY; alterations to dwelling, stucco front, etc.
Owner—L. De Matei, 43 Harrington Street.
Architect—None. \$1500

ALTERATIONS

(522) SE COR. REVERE and Lane; alterations to store and apts.
Owner—J. Brokenshire, Revere and Lane.
Architect—None.
Contractor—A. P. Siggs, 2314 19th Avenue. \$5000

DWELLING

(523) S PALOU 125 E Lane; one-story and basement frame dwelling.

Capital City Title Company

J. C. PALEN

Manager

914 Seventh Street

Sacramento - California

Owner—G. Maffucci, 1560 Palou.
Architect—None.
Contractor—D. Capelletti, 659 Hampshire. \$3500

REPAIRS

(524) 529 DAVIS St.; repair fire damage.
Owner—P. Michelletti, care builder.
Architect—None.
Contractor—I. W. Coburn, 712 Hearst Bldg. \$2000

ALTERATIONS

(525) 3515 PACIFIC Ave.; alterations to dwelling.
Owner—Dr. R. Ward.
Architect—Bertz, Winter & Maury, 210 Post St.
Contractor—D. L. Bienfield, 666 Mission St. \$2500

DWELLING

(526) E TWENTY-SECOND AVE 200 S Quintara. One-story and basement frame dwelling.
Owner—L. Costello, 333 27th Ave., San Francisco.
Architect—None. \$4000

ALTERATIONS

(527) SE BRANNAN AND JAPAN. Alter warehouse.
Owner—The Felton Co., 1900 Russ Bldg., San Francisco.
Architect—None.
Contractor—J. J. Irwin, 1040 Oak St., San Francisco. \$10,000

MARKET

(528) SE TAYLOR AND FRANCISCO. One-story and basement concrete fish market.
Owner—A. La Rocca, 2360 Jones St., San Francisco.
Architect—Louis Mastropasqua, 550 Washington St., San Francisco.
Contractor—De Luca & Son, 666 Mission St., San Francisco. \$4800

DWELLING

(529) N HALE 150 W Barneveld. One-story and basement frame dwelling.
Owner—R. Stenmen, 1487 Silver Ave., San Francisco.
Architect—None. \$4000

ALTERATIONS

(530) NO. 741 HARRISON ST. Alterations and additions to office.
Owner—Union Litho. Co., Premises.
Architect—L. J. Roseher, 233 Sansome St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrioli St., San Francisco. \$5000

CHURCH & HOTEL

(531) NW COR. ELLIS & TAYLOR six-story & basement steel frame and concrete church and hotel.
Owner—Glide Foundation, Ellis & Taylor Sts.
Architect—J. W. Plachek, 404 Mercantile Bank Bldg., Berkeley.
Contractor—Monson Bros., 475 6th St. \$304,860

FLATS

(532) N GREENWICH 106 W Octavia; 2-story and basement frame (2) flats.
Owner—S. Guardino, 2946 Octavia St.
Architect—None.
Contractor—G. Ghezzi, 82 Valparaiso. \$900

FLATS
(533) S CHESTNUT 93 E Broderick;
two-story and basement frame (2)
flats.
Owner—D. S. Kavanaugh, 1121 Ord-
way St., Berkeley.
Architect—None. \$7500

ALTERATIONS
(534) 279 PAGE ST.; alterations to
dwellings.
Owner—Dr. Maguire, 281 Page St.
Architect—None.
Contractor—C. L. Joubert, 231 Lily St.
\$2000

DWELLING
(535) E MALLORCA 187 S Beach St.;
one-story and basement frame
dwelling.
Owner—E. McCabe, 716 Ulloa St.
Architect—None.
Contractor—J. W. McCabe. \$5000

ALTERATIONS
(536) SE DUBOCE AVE. and Buena
Vista Terrace; alterations and ad-
ditions to dwelling.
Owner—B. Russell, 68 Post St.
Architect—Farr & Ward, 68 Post St.
Contractor—Mattock and Feasy, 210
Clara St. \$4000

DWELLING
(537) N MONTEREY BLVD. 458 W
St. Elmo; one-story and basement
frame dwelling.
Owner—Stoneson Bros. and Thorin-
son, 279 Yerba Buena.
Architect—C. F. Strothoff, 2274 15th
Street. \$5000

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
10	Ince	Dolan	1000
1	McAvoy	Lindberg	5000
2	Moyle	Coburn	2750
3	Russell	Mattock	4777
4	Ward	Bienfield	3690

WORK
(80) BRANNAN & JAPAN STS.; re-
moving mezzanine floor and sepa-
rate bins from warehouse bldg.
Owner—J. J. Irwin, premises.
Architect—None.
Contractor—Dolan Wrecking & Con-
struction Co., 1579 Mission St.
Filed April 29, '30. Dated April 21, '30.
On completion \$1000

TOTAL COST, \$1,000
Bond, \$500. Sureties, United States
Fidelity & Guaranty Co. Limit, May
16, 1930. Spec. filed.

ALTERATIONS & ADDITIONS
(81) 2051 MARKET ST.; alterations
and additions to 2-story and base-
ment frame dwelling.
Owner—McAvoy, O'Hara & Co., 2051
Market St.
Architect—W. H. Crim, Jr., 488 Pine
Street.

Contractor—C. Lindberg, 1 Naylor St.
Filed and Dated April 29, 1930.
1st and 15th of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$5,000
Bond, \$2500. Sureties, Chas. Monson
and Nelson. Limit, 40 days. Plans
and Spec. filed.

ALTERATIONS
(82) 133 COMMONWEALTH AVE.;
alterations and additions to frame
residence.
Owner—Joseph Moyle, 133 Common-
wealth Ave.
Architect—Albert W. Burgren, 110
Sutter St.
Contractor—Ira W. Coburn, Hearst
Building.
Filed April 30, '30. Dated Feb. 24, '30.
Brown coated \$1378.50
Accepted 689.75
Usual 35 days.....689.75
TOTAL COST, \$2759

Forfeit, \$10. Limit, 60 days. Plans
and Spec. filed.

ALTERATIONS
(83) SE COR. DUBOCE AVE. and
Buena Vista Terrace; alterations
to residence.
Owner—B. Russell, 68 Post St.
Architect—A. Farr and J. F. Ward, 68
Post St.
Contractor—A. F. Mattock and A. H.
Feasy, 210 Clara St.
Filed Apr. 30, '30. Dated Apr. 29, '30.
25th of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$4777
Forfeit, \$10. Limit, 45 days. Plans &
Spec. filed.

ALTERATIONS
(84) 3515 PACIFIC AVE.; alterations
to 3-story and basement residence.
Owner—E. T. Ward, 3515 Pacific Ave.
Architect, Bertz, Winter and Maury,
210 Post St.
Contractor—D. L. Bienfield, 334 30th
Avenue.
Filed and Dated, April 30, 1930.
5th of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$3690
Bond, \$3690. Sureties, Maryland Casu-
alty Co. Limit, 90 days. Plans and
Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted
April 24, 1930—E SHOTWELL 195
and 220 N 25th N 25 x E 122-6.
M T Struthers to G J Conway.....

April 24, 1930—NW BUSH and
Stockton W 50xN 91-6.
Rhine to Klerman & O'Brien.....

April 24, 1930—W SOMERSET 50 N
Silliman 25x90. G Carraro to
whom it may concern.....April 24, '30

April 24, 1930—W THIRTIETH AV
200 S Kirkham 25x120. Gordon
and Belle Leask to whom it may
concern.....April 22, 1930

April 23, 1930—E 26th AVE 150 S
Ulloa S 25 x E 120. Nils E John-
son to whom it may concern.....

April 22, 1930—W ASHTON 240, 268,
296 N Grafton, Nos 141, 145, 149
Ashton Ave. H & H Stoneson to
whom it may concern.....April 22, 1930

April 22, 1930—S LAKE 60.402 from
Inter. S Lake and W 30th Ave W
121.456 S 117.027 E 120.093 N
104.493. Harry B Allen, Inc to N
George Weinholz.....March 29, 1930

April 26, 1930—W LYELL 200 N
Chuyoa 50x100. A Berwick to
whom it may concern.....April 26, 1930

April 26, 1930—NO. 55 RETIRO
Way. L P Liuzza to Moore &
Madsen.....April 24, 1930

April 26, 1930—W BRIGHT 265 S
Holloway Ave S 25xW 100. E
Backman to whom it may concern.....April 25, 1930

April 25, 1930—SE 19th & CLOVER
Lane S 107-6 E 105 N and NW
alg Seward to S 19th W 55 to beg;
E Dover Lane 132-6 S 19th S 25
E 121 m or l to SW Seward NW
and N alg Seward 34-2 m or l W
105. Guaranty Bldg & Loan Assn
to F L Hansen.....April 21, 1930

April 25, 1930—330 EDGEHILL Way
Claremont Court Lot 9 Blk 2935.
J H Eitter to A D Dorr.....

April 25, 1930—W 18th AVE 125 N
Lawton N 25 x 120. Herman
Christensen to whom it may concern.....April 25, 1930

April 25, 1930—W 41st AVE 200 S
Judah running th 25 alg W 41st
W 120 N 25 E 120 to beg. M
De Amaral to Sam B Goss.....

April 12, 1930

April 24, 1930—NW BUSH and Bat-
tery N 137-6 W 137-6 S 57-6 E 20
S 80 E 117-6. Shell Oil Co to C
Jorgenson as C Jorgenson & Co.....

April 29, 1930—S MARINA BLVD
246 E Cervantes Blvd 50x98-139.
Kate S Miller to Moore & Madsen.....

April 29, 1930—S WOOLSEY 95 N
Brussels 25x100. P and Helen Un-
ger to Arthur Johnson.....Apr. 29, 1930

April 29, 1930—LOTS 39 and 40 Blk
6801 map Castle Manor. Castle
Bldg Co to Henry Horn.....

April 29, 1930—SV VISTACION Ave
167 NW San Bruno Ave NW 33 x
SW 150. L T Diehls to whom it
may concern.....April 26, 1930

April 29, 1930—W ARGUELLO Blvd
150 S Geary St S 25 x W 120. B
and E E Jacobs to Thos Hamill,
Inc.....April 26, 1930

Correction in Owner's Name
April 25, 1930—N VAN DYKE AVE
25 E Keth Street, 25x100. F An-
tony to D Delucchi.....Apr. 25, 1930

April 23, 1930—E PENNSYLVANIA
200 S 19th S 50 x E 100. Realty
Imp Co Ltd to R F Cassidy Co.....

April 23, 1930—W 19th St P 111-11
W Commercial St x W Kearny St
W 30 x N 58. Lee Chan to H L
Petersen.....April 26, 1930

April 23, 1930—W 21st AVE 165 N
Ortega N 50 x W 120. Sam B Goss
to whom it may concern.....

April 22, 1930
April 26, 1930—E TWENTY-SIXTH
Ave 275 N Clement 25x120. J
Calderwood to J C Thomas.....

April 25, 1930

LIENS FILED

San Francisco County

Recorded Amount
Clay S 25xW 102-6. Henry Ernst
& Sons, Ltd vs Joseph C and
Florence Demartini Linaie.\$1059.05

April 24, 1930—S MONTEREY
Blvd 110-5 E Balboa Terrace S
2° 16' W 195-95 E 60 N 2° 16' E
205-544 S 60-799 F H Tatten-
ham, \$152.50 and \$69.05 (2 liens)
vs George Barnett; Stuart C and
Patricia Way.....

Correction in Amount.
April 22, 1930—SOUTH MONTEREY
Blvd. 110.5 E Balboa Terrace S
2° 16' W 195-95 E 60 N 2° 16' E
205-544 S 60-799. L Risso vs S C
and P Way and Geo Barnett.....\$264

April 23, 1930—SW ALLISON and
Morse 120 W 25 N 120 E 25. D C
McCabe vs C and W Stone.....\$120

April 22, 1930—S MONTEREY Blvd
110-5 E Balboa Terraces S 2 deg
16 min W 195-95 E 60 N 2 deg 16
min E 205-544 S 60-799. Theo Bin-
ner as Theo Binner Studios vs S
C and P Way and Geo F Barnett.....

April 25, 1930—N ALADDIN TER
92-6 E Taylor St E 22-6 x N 45.
W B Jefferson as The Greater City
Lumber Co vs A and T Cipparone
and Metropolitan Bldg Co.....\$292.45

April 25, 1930—N ALADDIN TER
92-6 E Taylor E 22-6 x N 45. A
Nelson vs Antonio Cipparone and
Metropolitan Bldg Co.....\$108

April 25, 1930—433-435 JERSEY ST.
E A Schortgen vs A Malloy.....\$64

April 28, 1930—W THIRD 25-104 S
Brannan S 49-14 Lot 2 Blk 3787
Assessor's map 602-604 3rd St. Ma-
lott & Peterson vs Eastern Hotel
Co and Robt P Troy.....\$220

April 25, 1930—E BRUSSELS 175 S
Wayland S 25 x E 120. Rowe
Lhr Co, Inc vs Richard and Jen-
nie Neville.....\$104.40

April 25, 1930—SE BAKER AND
Jefferson S 39 x E 100. Meda Art
Tile Co, composed of S P Meda
and C Meda vs Masarie and A W

Cuneo as Masarie & Cuneo and Hugo and Delphine F Carrissimo
 April 25, 1936—S MONTEREY Blvd 110-5 E Balboa Terrace W 195-95 E 60 E 205-544 SW 60-799. Wm Heidenreich vs Stuart C and Patricia Way and Geo Barnett.....\$482
 April 25, 1936—S CHESTNUT 130 E Divisadero E 25 x S 137-6. Albert J Slepohl vs Donald S Gavanauagh.....\$87.50
 April 25, 1936—NE KEY AVE 150 SE 50 x NE 100 ptn Blk 50. Louis J Gallagher vs Victor Mendez.....\$525

RELEASE OF LIENS

San Francisco County

Recorded Amount
 April 25, 1936—W 26th AVE 400 S Quintera S 50 x W 120. California Const Co to M T and J Redmond.....\$500
 April 26, 1936—LOTS 1 AND 2 BLK 2983-A Map West Portal Park. A A Goepff, Inc to F E Foster and Dependable Mfg Co.....
 April 25, 1936—W 25th AVE 125 S Rivera S 175 x W 120. California Const Co to Herman Christensen
 April 25, 1936—NE FILLMORE and Herman N 48 x E 81-3. California Terrazzo Marble Co; H P Knoll to H H and H M Velleno and R Paratori, DBA Independent Const Co (two releases).....

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
515	Bratcher	Henderson	1000
516	Richarz	Owner	1400
517	Underwood	Owner	3000
518	Fleming	Owner	3500
519	Halstead	Owner	1000
520	Brunt	Croll	5000
521	Limback	Windsor	6000
522	Munsterman	Independent	2000
523	Shane	Mullen	2800
524	Steppan	Peters	5000
525	St. Josephs	Bay City	4000
526	Colgate	Walker	2000
527	Connon	Rose	4000
528	Western	Towill	2000
529	Pacific Rose		2000
530	Riser	Dooley	3500
531	Woolworth	MacDonald	100000
532	Anderson	Owner	3500
533	Jensen	Ralston	6000
534	Rubino	Horst	1000
535	S F Airdome	Lindgren	85000
536	Weeden	Thorp	1500
537	Baley	Gaubert	1900
538	Brown	Owner	4000
539	English	Schneck	6000
540	Kohlhoff	Owner	12500
541	Little	Fox	8000
542	Stevenson	Owner	4175
543	Killam	Thrams	1950
544	Independent	Owner	3500
545	Dakin	Larner	55000
546	McCoy	Beckett	13400
547	Nork	Owner	2500
548	S F Sulphur	Owner	6000
549	Bonne	Gaubert	2500
550	Butera	English	1200
551	Crittenden	Schultz	10000
552	Crittenden	Schultz	10000

ALTERATIONS

(515) 2621 HILLEGAS AVE., Berkeley; alterations.
 Owner—M. E. Bratcher, 2816 Benvenue Ave., Berkeley.
 Architect—None.
 Contractor—E. F. Henderson, Berkeley. \$1000

ALTERATIONS

(516) 1572 MILVIA ST., Berkeley; alterations.
 Owner—Ludwig Richarz.
 Architect—None. \$1400

RESIDENCE

(517) 1952 HOPKINS ST., Berkeley; one-story 4-room 1-family frame residence.
 Owner—H. L. Underwood, 1954 Hopkins St., Berkeley.
 Architect—None. \$3000

DWELLING

(518) 3715 ATLAS AVE., Oakland; 1-story 5-room dwelling.
 Owner and Builder—Andrew Fleming, 3906 Vale Ave., Oakland.
 Architect—None. \$3500

ADDITION

(519) 2921 CHAPMAN ST., Oakland; addition.
 Owner and Builder—Halstead Oil Co., Inc., 2921 Chapman St., Oakland.
 Architect—None. \$1000

DWELLING

(520) 3416 MIRASOL AVE., Oakland; one-story 5-room dwelling.
 Owner—L. O. Brunt, 7007 Halliday Ave., Oakland.
 Architect—R. F. Keefer, 3281 Lakeshore Ave., Oakland.
 Contractor—W. A. Croll, 5851 Brann St., Oakland. \$5000

DWELLING

(521) N OCEAN VIEW DR. 125 W Prospect, Oakland; two-story 6-room dwelling.
 Owner—Geo. Limback, 60th and Grove Sts., Oakland.
 Architect—None.
 Contractor—Geo. Windsor, 928 Kingsdon Ave., Piedmont. \$6000

SERVICE STATIONS

(522) SW COR. 77th AVE. and East 14th St., Oakland; one-story battery and tire service station, 1-story comfort station and 1-story steel service station.
 Owner—H. C. Munsterman, 77th Ave. and E 14th St., Oakland.
 Architect—None.
 Contractor—Independent Iron Works, 1824 Chase St., Oakland. \$2050

ALTERATIONS

(523) 1326 BROADWAY, Oakland; alterations.
 Owner—Harry Shane, 1326 Broadway, Oakland.
 Architect—None.
 Contractor—Mullen Mfg. Co., S. F. \$2800

ALTERATIONS

(524) 4291 PIEDMONT AVE., Oakland; alterations and additions.
 Owner—H. Steppan, 4291 Piedmont Ave., Oakland.
 Architect—None.
 Contractor—Fred W. Peters, 16th and Ridgeway, Oakland. \$5000

CHAPEL

(525) NW COR. SEVENTH & Chestnut Sts., Oakland; 1-story chapel.
 Owner—St. Joseph's Catholic Church, Oakland.
 Architect—None.
 Contractor—Bay City Cabinet Co., 1076 5th St., Oakland. \$4000

OFFICE BLDG.

(526) NO. 800 CARLTON ST., Berkeley. Brick office building.
 Owner—Colgate, Palmolive, Peet Co.
 Architect—None.
 Contractor—P. J. Walker Co., Sharon Bldg., San Francisco. \$2000

RESIDENCE

(527) NO. 456 VASSAR AVE., Berkeley. Two-story 6-room 1-family frame residence.
 Owner—V. R. Connon, 3110 Filbert St., Oakland.
 Architect—G. W. Rose, 3203 Market St., Oakland. \$4000

ALTERATIONS

(528) NO. 2484 BANCROFT WAY, Berkeley. Alterations.
 Owner—Western Union Telegraph & Telephone Co., San Francisco.
 Architect—None.
 Contractor—W. M. Towill, 364 10th St., Oakland. \$2009

ALTERATIONS

(529) A.O. 3545 E-FOURTEENTH St., Oakland. Alterations.
 Owner—Pacific Tel. & Tel. Co., Frem Architect—None.
 Contractor—A. H. Rose, 478 25th St., Oakland. \$2000

DWELLING

(530) NO.5422 ROBERTS ST., Oakland. One-story 5-room dwelling and garage.
 Owner—Lloyd R. Riser.
 Architect—None.
 Contractor—Fred T. Dooley, 3936 Vale Ave., Oakland. \$3950

STORE BLDG.

(531) NO. 1737 BROADWAY, Oakland. Three-story concrete and brick store building.
 Owner—F. W. Woolworth Co., Financial Center Bldg., San Francisco.
 Architect—Owner.
 Contractor—MacDonald & Kahn, Inc., 200 Financial Center Bldg., San Francisco. \$100,000

DWELLING

(532) NO. 1609 PEARL ST., Alameda. One-story 6-room frame and stucco dwelling.
 Owner—Walter H. Anderson, 1014 Doris Court, Alameda.
 Architect—Owner. \$3900

RESIDENCE

(533) NO. 710 HILLDALE AVE., Berkeley. One-story 6-room 1-family frame residence.
 Owner—Arthur Jensen, Berkeley.
 Architect—F. W. Anderson.
 Contractor—Ralston & Anderson, 848 Stannage Ave., Albany. \$6000

ICE BOX

(534) NO. 1521 WEBSTER St., Alameda. Frame ice box.
 Owner—Chas. Rubino, Oakland.
 Architect—None.
 Contractor Horst Mfg. Co., 768 Atlantic Ave., Alameda. \$1000

HANGAR

(535) NO. 2155 WEBSTER St., Alameda. Airplane hangar; concrete floor, steel structural construction; sheet metal covering.
 Owner—San Francisco Bay Airdrome Inc., Premises.
 Engineer—L. H. Nisklan, 620 Underwood Bldg., San Francisco.
 Contractor—Lindgren & Swinerton, Inc., 625 Standard Oil Bldg., San Francisco. \$55,000

ADDITIONS

(536) NO. 1236 ST. CHARLES ST., Alameda. Frame additions.
 Owner—F. Weeden, 1236 St. Charles St., Alameda.
 Architect—Kent & Hass, 525 Market St., San Francisco.
 Contractor—V. E. Thorp, 1717 Alameda Ave., Alameda. \$1500

DWELLING

(537) 7610 WELD ST., Oakland; one-story 4-room dwelling.
 Owner—B. Baley, 718 Sycamore St., Oakland.
 Architect—None.
 Contractor—Gaubert Brothers, 4735 Brookdale Ave., Oakland. \$1900

DWELLING

(538) S GOLF LINKS ROAD 37 E Cosgrave, Oakland; one-story 5-room dwelling.
Owner and Builder—W. W. Brown, 3327 Golf Links Road, Oakland.
Architect—None. \$4000

GARAGE

(539) N 26th ST. 140 W Grove St., Oakland; one-story brick and tile garage.
Owner—Eugene English, 4707 Alameda Ave., Oakland.
Architect—None.
Contractor—A. W. Schneek, 3661 Redwood Road, Oakland. \$6000

DWELLING

(540) W CALAFIA AVE. 200 E Mt. Blvd., Oakland; one-story 9-room dwelling.
Owner and Builder—Irvan Kohlhoff, P. O. Box 804, Oakland.
Architect—Gerald W. McPherson. \$12,500

RESIDENCE

(541) 740 EUCLID AVE., Berkeley; two-story 8-room frame and stucco residence.
Owner—Harold Little.
Architect and Builder—Fox Brothers, 1484 University Ave., Berkeley. \$8000

DWELLING

(542) SE 17th ST. 165 W High St., Oakland; one-story 6-room dwelling and garage.
Owner and Builder—F. E. Stevenson, 2046 High St., Oakland.
Architect—None. \$4175

ALTERATIONS

(543) 804 HIGHLAND AVE., Piedmont; alterations.
Owner—J. S. Killam, 804 Highland Ave., Piedmont.
Architect—None.
Contractor—C. H. Thrums, 23 Home Place, Oakland. \$1950

SHED

(544) NO. 630 TWENTY-NINTH Ave (rear), Oakland. One-story storage shed.
Owner—Independent Ice Co., 630 25th Ave., Oakland.
Architect—None. \$3500

APARTMENTS

(545) NO. 1710 LEROY AVE., Berkeley. Three-story frame and stucco (61-room) (15-family) apartmentst.
Owner—Dakin & Pearson, Berkeley.
Architect—None.
Contractor—F. Larmer, 90 Fairview Ave., Piedmont. \$55,000

RESIDENCE

(546) NO. 891 REGAL ROAD, Berkeley. Two-story 9-room frame and stucco residence.
Owner—Frederick McCoy, 624 Scenic Ave., Piedmont.
Architect—E. L. Snyder, 159 Tamalpais Road, Berkeley.
Contractor—Beckett & Wight, 722 Scenic Ave., Piedmont. \$13,400

RESIDENCE

(547) 1504-06 TENTH ST., Berkeley; one-story 6-room 2-family frame residence.
Owner and Builder—Bartel Mork, 1606 10th St., Berkeley.
Architect—None. \$2500

ALTERATIONS

(548) 900 HEINZ AVE., Berkeley; alterations.
Owner & Builder—San Francisco Sulphur Works, 624 California St., San Francisco.
Architect—None. \$6000

ALTERATIONS

(549) 1028 22nd ST., Oakland; alterations.
Owner—A. Bonne, 518 Hilgard Ave., Oakland.
Architect—None.
Contractor—Gaubert Brothers, 4735 Brookdale Ave., Oakland. \$2500

DWELLING

(550) 1022 61st ST. (rear), Oakland; one-story 4-room dwelling.
Owner—A. Butera, 1020 61st St., Oakland.
Architect—None.
Contractor—Walter L. English, 95 Galvin Drive, El Cerrito. \$1200

RESIDENCE

(551) 159 S HAMPTON Road, Berkeley; two-story 7-room frame and stucco 1-family residence.
Owner—C. S. Crittenden, 1018 Mariposa Ave., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—H. Schultz, 811 Mendocino Ave., Berkeley. \$10,000

RESIDENCE

(552) 175 S HAMPTON ROAD, Berkeley; two-story 7-room frame and stucco 1-family residence.
Owner—C. S. Crittenden, 1018 Mariposa Ave., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—H. Schultz, 811 Mendocino Ave., Berkeley. \$10,000

BUILDING CONTRACTS

Alameda County

No	Owner	Contractor	Amt.
65	Davis	Fraser	7927
66	Nemir	Picard	450
67	Best	Petersen	11695
68	Scoble	Mohrdick	575
69	Frœhlich	Williams	15000

RESIDENCE

(65) SE OAKS BLVD. and Lee Ave., San Leandro; general construction on 2-story frame and stucco residence.
Owner—Andrew S. Davis, 9311 E 14th St., Oakland.
Architect—None.
Contractor—D. N. Fraser, 965 Lee Ave., San Leandro.

Filed Apr. 25, '30. Dated Apr. 2, '30.
When frame is up.....\$1987
When brown coated 1980
When completed 1980
Usual 35 days 1980
TOTAL COST, \$7927
Bond, \$7927. Sureties, Hartford Accident & Indemnity Co. Limit, 110 days.

PLUMBING

(66) SW COR. 51st and Coronado, Oakland; installing and furnishing bath, toilet, tray sinks and gas water heaters for residence.
Owner—B. Nemir, Oakland.
Architect—None.
Contractor—W. H. Picard, Inc., 5656 College Ave., Oakland.

Filed Apr. 25, '30. Dated Feb. 3, '30.
When roughed in 50%
On completion 50%
TOTAL COST, \$480

ALTERATIONS

(67) FOURTEENTH ST., San Leandro. All work for general alterations to Best Building and theatre adjacent.
Owner—Trustees under the will of David Best, deceased.
Architect—W. H. Weeks, 111 Sutter St., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
Contractor—George Petersen, San Leandro.

Filed Apr. 26, '30. Dated Apr. 14, '30.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$11,695
Bond, \$3847 50. Surety, Pacific Indemnity Co. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ELECTRIC WIRING

(68) NW FAIRBANKS AND WARFIELD STs., Oakland. All work for installation of electric wiring.
Owner—T. R. Scoble, Premises.
Architect—None.
Contractor—Mohndick Electric Co., 332 Tahama St., San Francisco.

Filed Apr. 26, '30. Dated Jan. 22, '29.
TOTAL COST, \$575
Bonds, limit, forfeit, plans and specifications, none.

RESIDENCE

(69) ESTATES DRIVE, Piedmont; general construction on 2-story & basement residence and garage.
Owner—Perle D. Frœhlich, Oakland.
Architect—Williams and Wastell, 374 17th St., Oakland.
Contractor—Hugh E. Williams, 1615 Trebble Glen, Oakland.
Filed April 28, '30. Dated Jan. 23, '30.
Excavation is completed.....\$ 200
1st floor joists are placed 2940
Roof completed 2940
Brown coated 2940
Completed 2940
Usual 35 days 2940
TOTAL COST, \$15,000
Limit, 100 days. Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
April 24, 1930—LOT 18 BLK A. Durant Manor, Oakland. Charles W Griffith to whom it may concern.....	April 23, 1930
April 24, 1930—E LENOX AVE 100-20 ft SE of Montecito Ave, Oakland. Emily Kroll Albert Kroll.....	April 24, 1930
April 22, 1930—TTN LOTS 125-128-129, Crocker Tract, Piedmont. Victor H Owen to George Windsor.....	April 14, 1930
April 23, 1930—"GARDEN OF Allah" State Highway bet Hayward and Niles. Dept of Public Works, Division of Highways, State of California to Frank Perez.....	April 19, 1930

Member Insurance Brokers' Exchange

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490 GEARY STREET

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San Francisco

April 29, 1930—LOT 1 BLK 2, Lakeshore Glen, Oakland. Harry E Leimert to Irwin H Reimers.....
 April 26, 1930
 April 29, 1930—E SIXTH ST. 80 N Taylor Ave., Alameda. J A Fazio to whom it may concern.....
 April 28, 1930
 April 29, 1930—E 40 FT LOT 3 Bk 6, map State Univ Htd Assn No 3. J R Langtry to whom it may concern.....
 April 28, 1930
 April 28, 1930—LOT 15 BLK 8, Daley's Scenic Park, Berkeley. Henry E. Tweed to K C Steven.....
 April 22, 1930
 April 28, 1930—INTER SW EAST 11th St and SE 4th Ave, Oakland. Boyetown Burial Casket Co to Ralph McLeeran & Co.....
 April 28, 1930
 April 25, 1930—LOT 29, Hampton Highlands, Oakland. Edw S Babue Thos F L Furlong.....
 April 25, 1930
 April 25, 1930—2015 DURANT AVE, Oakland. F C Duerr to whom it may concern.....
 April 25, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
April 24, 1930—SE LINE OF FAIRMOUNT AVE 100-18 ft N of Pearl St, Oakland. Morgan Brothers vs Ernest Flores	\$144
April 24, 1930—LOT T BLK 2, map 2, Claremont Tract, Berkeley. Aladdin Heating Corp vs L and H Miller, Walter Leland and W S Leland Co	\$244.30
April 23, 1930—LOT 3 BLK D, map Blocks C and D of the Flint Tract, Oakland. R H Condie vs Ernest Flores	\$352.20
April 25, 1930—3714 LINWOOD AVE, Oakland. West Bros Roofing Co to Harry Jones	\$492
April 29, 1930—LOT 3 BLK H, Claremont Pines, Oakland. In-laid Floor Co vs Rose Wagner Croninger and H K Schulz	\$535
April 29, 1930—LOT 3 BLK H, Cragmont Pines, Oakland. S T Johnson Co vs Rose W Croninger and H K Schulz	\$505
April 28, 1930—LOTS 7, 8, 9 and ptn Lots 10 and 11 BLK 2, Amended map of La Loma Park and Wheeler Tract, Berkeley. American Flower Corp vs Geo D Blood, Geo M Frisbie, Mittle E Frisbie, Nottingham Heating & Ventilating Co	\$313
April 28, 1930—NW SAN PABLO and 18th St, Oakland. Tilden Lbr Co vs McDonald & Kahn, Metropolitan Bldg Co, Ltd.	\$143.11
April 25, 1930—LOT 3 BLK D Sub C and D of the Flint Tract, Oakland. Roberts Mfg Co	\$394.84
April 25, 1930—Zarwell Elec Co, \$450; Rex Floor Co, \$2050; Nat Lena, \$2274.90; M Friedman Co, \$154.10, vs Ernest and E P Flores.....	

RELEASE OF LIENS

Alameda County

Recorded	Amount
April 24, 1930—NE HERMAN AND Fillmore Sts N 48 x E 81-3. Western Lime & Cement Co; Holmes Lime & Cement Co; Eureka Sash Door & Moulding Mills; San Francisco Lumber Co to H H and H Vellano and R Paratore, Independent Const Co	\$90
April 24, 1930—N McALLISTER 137-6 W Fillmore W 40 x N 137-6. F W Knipscher as F W Kay Co to W O Stuttmaster	
April 23, 1930—S COMMERCIAL 68-9 E Grant Ave S 22 x E 65, 77 Commercial St. M J Fagerud to Lee On Tin, Lee L Yen and Lee Y Ton, Joseph Hill and H Hagan	\$90
April 23, 1930—S MARKET ST 150	

W 7th St W 75-2 x S 165. H C Tournay to Baldwin Inv Co.....
 April 23, 1930—PTN LOT 10 BLK 1, Case Tract, Berkeley. O T Mahanay to Lillia M McNeill.....\$87.15
 April 28, 1930—LOTS 21, 22, 23, 24 Bk 20, Melrose Heights, Oakland. P H Donnelly to Alfred J Hopper, Foothill Blvd Amusement Co

.....\$355.50

BUILDING CONTRACTS

SAN MATEO COUNTY

HEATING
BURLINGAME; heating for 2-story school building.
 Owner—Burlingame Grammar School District.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.
 Contractor—Morrison & Blair, 415 Villa Terrace, San Mateo.
 Filed April 22, '30. Dated April 16, '30.
 Progress payments 75%
 Usual 35 days 25%
TOTAL COST, \$4703
 Two Bonds, \$2351.50 each. Sureties, Hartford Accident & Indemnity Co. Forfeit, \$25. Limit, 120 working days. Plans and Spec. filed.

SCHOOL
BURLINGAME; general construction on two-story reinforced concrete grammar school building.
 Owner—Burlingame Grammar School District.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.
 Contractor—J. Harold Johnson, Hearst Bldg., San Francisco.
 Filed Apr. 23, '30. Dated Apr. 16, '30.
 Progress payments 75%
 Usual 35 days 25%
TOTAL COST, \$59,773
 Two Bonds, \$29,886.50 ea. Sureties, Standard Accident Insurance Co. Forfeit, \$25. Limit, 120 working days. Plans and Spec. filed.

.....\$59,773

BUILDING PERMITS

SAN MATEO

RESIDENCE, 5-room, \$4000; Lot C Bk 6 Palm Ave.; owner and builder, Hugo Hulberg, 29 San Mateo Ave., San Mateo.
RESIDENCE, one-story, \$5,000; 409 Georgetown W. E. 40 ft. of Lot 14 SW 10 ft. of Lot 15 Bk 19, Baywood; owner and builder, Buschke & Johnson, Georgetown, San Mateo.
RESIDENCE, 1-story, \$9500; NE 60 ft. of Lot 15 Bk 19, 403 Georgetown, Baywood; owner and builder, Buschke and Johnson, Georgetown, San Mateo.
RESIDENCE, \$10,000; Lot 11 Bk 15, 411 Fairfax; owner and builder, Lengfeld & Olund, 145 El Camino Real, San Mateo.
RESIDENCE, 1-story and basement, \$8000; 415 Georgetown, NE 30 ft. of Lot 13 SW 20 ft. of Lot 14 Bk 19; owner and builder, Buschke & Johnson, Georgetown, San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
April 22, 1930—LOT 7 BLK 11, Baywood. Martin Peterson to whom it may concern.....	April 15, 1930
April 22, 1930—BAYSHORE Highway to Skyline Blvd. State of California to San Bruno Feed & Fuel Co.....	April 18, 1930
April 22, 1930—LOT 19 BLK 68, Santa Ynez Park. Fred Pattison to whom it may concern.....	April 21, 1930
April 22, 1930—LOT 37 BLK 17 Baywood. Ray Allen to whom it may concern.....	April 19, 1930

BUILDING PERMITS

SAN JOSE

ALTER Class C business building, \$5000; First and Santa Clara Sts., San Jose; owner, Gorman Kayser Co., 121 Sutter St., San Francisco; contractor, Home Mfg. Co., 552 Brannan St., S. F.
SCHOOL, 1-story frame kindergarten, \$6235; William and Willis; owner, San Jose School Dept., San Francisco at 6th; architect, Warren Skillings, American Trust Bldg., San Jose; contractor, Frank Neves 891 Harrison St., Santa Clara.
OFFICES, class C, \$7800; The Alameda near White; owner, Calif. Packing Corp., San Fernando & Bush, San Jose; plans by company engineers; contractor, John D. Carlson, 1331 Sierra, San Jose.
RESIDENCE, 6-room frame, \$6500; Shasta n. Park; owner and bldr., Rollie Williams, 1518 Shasta, San Jose.
RESIDENCE, 5-room frame, \$5700; Snyder near Delmas; owner, Ed. Stough, Police Dept., City Hall, San Jose; contractor, Geo. Sinnott 650 Margaret, San Jose.
RESIDENCE, 5-room frame, \$4,000; Davis near Chapman; owner and Contractor, Benj. Quimet, 655 Riverside, San Jose.
ALTER and repair class C business building, \$2000; 44 W San Fernando; owner, Mrs. L. S. Martin, 301 S 5th, San Jose; contractor, T. H. Herschbach, Twoby Bldg., San Jose.
RESIDENCE, 5-room frame, \$2750; N 26th near Santa Clara; owner and builder, T. F. Mahaffey, 1192 Sherwood, San Jose.

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$5000; Lot 13 Bk 31, Baywater; owner and builder, G. Pedersen, 1015 Laguna Ave., Burlingame.
BUNGALOW, \$4500; Lot 14 Bk 3, Laguna Ave.; owner and builder, A. H. Johns.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$12,000; No. 1765 Fulton St., Palo Alto; owner, H. Dahbinitz, 2350 South Court, Palo Alto.
RESIDENCE, frame and stucco, \$4000; No. 281 Hanford Ave., Palo Alto; owner, W. G. Bell and H. L. Page, 1848 Emerson St., Palo Alto.

BUILDING CONTRACTS

MONTEREY COUNTY

STORE BLDG.
SE MONTEREY AND SAUSAL STS., City of Salinas. All work for one-story reinforced concrete store building.
 Owner—Jack L. and Marion Burstein 414 Cayuga St., Salinas.
 Architect—Huson & Rees, 10 East Gabilan St., Salinas.
 Contractor—F. C. Carlsen, 336 Lincoln Ave., Salinas.
 Filed April 23, '30. Dated April 22, '30.
 Beams, columns and curtain walls up\$1355
 Building completed 1355
 Usual 35 days 1550
TOTAL COST, \$4732
 Bond, \$3720. Sureties, W. H. Harpils and Arthur C. Hayward. Limit, 75 working days. Forfeit, none. Plans and specifications filed

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
April 28, 1930—LOTS 6 and 8 BLK 123 Pacific Grove Retreat, Third Addn. R C Amstein, Jr to W C Mann.....	April 28, 1930
April 28, 1930—LOT 18 BLK 21, map of Springs Second Addn, Salinas City. Wm H and Alma Hughes to Bruce E Baird.....	April 21, 1930
April 26, 1930—E 150 FT LOT 4 BLK 22. Riker & Jackson. Louis H Gibbs Sr and Florence Gibbs to whom it may concern.....	April 24, 1930
April 28, 1930—LOT 3 Blk 17, Homestead Addn, Salinas City. John G Clark to whom it may concern.....	April 22, 1930
April 29, 1930—N HALF LOTS 12 and 13 Blk 15, map of Montezuma Heights, Monterey. Lewis J and Frank C Wells to Wade O Halstead.....	April 28, 1930

BUILDING PERMITS

RICHMOND

COTTAGE and garage, 5-room frame and plaster, \$4000; E S 19th bet. Roosevelt and Pennsylvania; owner, E. Baumberger; contractor, B. Schapiro & Co., 1126 MacDonald.	
COTTAGE and garage, 4-room frame, \$2600; S S Ohio bet. 27th and 28th; owner and builder, L. J. Thole, 320 22nd St.	
RAISE frame cottage for garage and add bedroom, \$1000; 219 Nevln St.; owner, J. W. Brackett, 219 Nevln; contractor, W. Green, 2027 Gaynor, Richmond.	
COTTAGE and garage, 5-room frame and plaster, \$2500; S S Orchard near San Pablo; owner and builder, A. J. Osborne, Wenk Avenue near San Pablo, Richmond.	
COTTAGE and garage, 5-room frame and plaster, \$3300; E S Humboldt bet. Garbin and Esmond; owner and builder, Pepin & Johnson, 1126 MacDonald, Richmond.	
COTTAGE and garage, 4-room frame and plaster, \$3000; W S Butte bet. Tehama and Burlingame; owner and builder, H. A. Sammet, 1754 San Lorenzo, Berkeley.	
COTTAGE and garage, 5-room frame bet. 26th and 28th; owner, Mrs. C. Douthodt, 662 34th Ave., Oakland; contractor, C. E. Nelson, 1089 57th St., Oakland.	
STORE, 1-story, 50x150x50x50 brick & steel (steel and footings designed for 3 stores), \$25,000; NW corner 24th and MacDonald; owner, Burg Bros., 332 23rd St., Richmond; plans by owners; contractor, B. L. Spurr, 525 32nd St., Richmond.	
COTTAGE and garage, 5-room frame and plaster, \$5000; E S McLaughlin bet. Sierra and Roosevelt; owner and builder, Herbert Green, 819 Ramona Ave., Berkeley.	
COTTAGE and garage, 6-room frame and plaster, \$3000; E S Locust bet. Barrett and Sylvia; owner, A. J. Timmoces, 444 McLaughlin, Richmond; contractor, N. E. Anderson, 3000 Barrett, Richmond.	

BUILDING PERMITS

STOCKTON

SHED, storage, \$1000; No. 502 W. Church St., Stockton; owner, Fibreboard Products Co., Russ Bldg., San Francisco; contractor, Barrett & Hilp, 918 Harrison St., San Francisco.	
ADD to dwelling, \$1500; No. 727 Bristol Ave., Stockton; owner, Irving L. Newmiller, Premises; contractor, R. Melville, Waterloo Road, Stockton.	

STATION, super service, \$5000; No. 1147 South El Dorado St., Stockton; owner, General Petroleum Co., E. Harding Way, Stockton.	
RESIDENCE and garage, \$3200; No. 421 W. Jackson St., Stockton; owner, William Payne; contractor, J. R. Leighton, 813 Redford Rd., Stockton.	

BUILDING CONTRACTS

SONOMA COUNTY

COTTAGE	
CANYON UPPER 4 MAP 9, LOT 303 Rio Nido. All work for one-story five-room summer cottage.	
Owner—Marcus and Sophie Alter, Rio Nido.	
Architect—None.	
Contractor—Geo. H. Augustine and K. Walter Oertel.	
Filed April 23, '30. Dated April 16, '30	
Frame and floor in place.....	25%
Roof, rustic and rough plumb- ing in	25%
When accepted	25%
Usual 35 days.....	25%
TOTAL COST, \$1475	
Bond, \$800. Surety, Union Indemnity Co. Limit, May 22, 1930. Forfeit, none. Plans and specifications filed.	

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
April 23, 1930—LOTS 2 and 3, map of the Mack Subdiv in Block 60, Monterey. Pacific Grove Realty Co to whom it may concern.....	April 17, 1930
April 23, 1930—SOUTHERMOST Cor Lot 2 Blk 3, Hermann's map of New Monterey. Antonio T Gutierrez to whom it may concern.....	March 18, 1930
April 25, 1930—HART APARTMENT Site in City of Salinas. Fred J Hart to Carl Swenson.....	April 18, 1930
April 25, 1930—LOT 12 BLK 12, Dexter's Addn to Salinas City. Jeanette Storm Black to Wallace Richmond.....	April 21, 1930
April 25, 1930—LOTS 11 and 12 Blk 22, map of the Riker & Jackson Survey forming a part of Salinas City. Kate Sechrest to whom it may concern.....	April 24, 1930
April 25, 1930—ELY 50 FT LOT Blk 15 1/2, map of Homestead Addn, Salinas City. Victor Daniels to whom it may concern.....	April 25, 1930

LIENS FILED

MONTEREY COUNTY

Recorded	Amount
April 25, 1930—LOTS 3, 4, 5, 6 and 7, Blk 113, map of Partition, Monterey. W Degen, W Degen Co vs Mission Hospital Co and Monterey Hospital, Ltd, and H L Mack	\$350

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
April 24, 1930—LOTS 3 to 7 incl in Blk 113, map of Partition in the case of Zabala vs Gregory, et al. N A Fezzolare to W A Gould and Mission Hospital Co	\$136

LIENS FILED

SAN JOAQUIN COUNTY

Recorded	Amount
April 15, 1930—LOTS 2, 3 4 5 and 6 Division D Small Farms Im-	

provement Tract, Stockton. B G Ellingwood vs John Sartor.....	\$175
April 29, 1930—W HALF Section 21 Twp 2 S Range 4 E. Austin E Nahoney vs James E Faulkner.....	\$220.72

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
April 25, 1930—LOT 6 Map E, City Park Gardens, Stockton. J F Strahorn to H E Heltzerbrand.....	April 24, 1930

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
April 23, 1930—FOURTH ST., San Rafael. D Vossbrink to whom it may concern.....	April 19, 1930

LIENS FILED

MARIN COUNTY

Recorded	Amount
Apr. 25, 1930—SAN RAFAEL. Henry Hess Co vs Joseph V Bacigalupi	\$70.50

RELEASE OF LIENS

MARIN COUNTY

Recorded	Amount
April 25, 1930—SAN RAFAEL. Jas Ghiotti to James Leach, John Holahan	\$60
April 22, 1930—MILL VALLEY. Do- land Bros and F H Sane's to Dr C A Janes and Harry Kidd (2 re- leases)	
April 22, 1930—MILL VALLEY. R A Gerrich to C A Janes.....	

LIENS FILED

MARIN COUNTY

Recorded	Amount
April 23, 1930—SAN RAFAEL. Jas Ghiotti vs Ralph C Brehl and Columbus Pierce	\$45
April 23, 1930—SAN RAFAEL. Henry Hess Co vs Ralph Brehl et al	\$401.05

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Amount
April 24, 1930—ABOUT 3 ACRES on Sonoma Highway about one mile east of Santa Rosa. James and Franc Simms to W C Snyder.....	April 17, 1930

BUILDING PERMITS

SACRAMENTO

ADDITION, \$1000; No. 2420 T St., Sacramento; owner, Jos. Morgan. Premises; contractor, M. F. Terra 2315 9th St., Sacramento.	
REPAIRS, general, \$1200; No. 1131 J St., Sacramento; owner, Masonic Temple Assn., 12th and J Sts., Sacramento; contractor, Camp- bell Constr. Co., 800 K St., Sacra- mento.	
RESIDENCE, 6-room, \$4000; 461 46th St.; owner, A. R. Greeman, 4041 11th Ave., Sacramento.	
RESIDENCE, 5-room, \$4500; 2313 V St.; owner, M. K. Neves, 309 1/2 W St., Sacramento.	
RESIDENCE, 6-room, \$5000; No. 2721 D St., Sacramento; owner, Sam Guidera, 2306 13th Ave., Oakland	

RESIDENCE, duplex, 10-room, \$10,000; No. 525-527 36th St., Sacramento; owner, and contractor, Wm. T. Martin, 3541 Curtis Park Drive, Sacramento.
RESIDENCE, 5-room, \$4000; No. 1848 Fifth Ave., Sacramento; owner, C. C. Ruby, 4800 T St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
April 25, 1930—N HALF LOT 3, Q and R, 14th and 15th Sts, Sacramento, Dorothy P Hark to whom it may concern.....	April 17, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
April 23, 1930—LOT 57, Beverford Heights, Sacramento. W H Vogt & Co, \$105; Construction Material Co, \$249 vs Thos and Eva McMahon	\$704.27
April 24, 1930—LOT 57, Beverford Heights, Sacramento. J R Estes vs Thos and Eva McMahon	\$580.90
April 25, 1930—LOT 101, McKinley Blvd. Tract No. 2, Sacramento. V E Hart vs Shelby M and Velma M 'Ougaw	\$100
April 23, 1930—LOT 57, Beverford Heights, Sacramento. Burnett & Sons vs Thomas and Eva M McMahon	\$704.27
April 21, 1930—N 31.50 FT OF S 84.80 ft. Lot 4 M, N. 16th and 17th Sts., Sacramento. G S King vs Mrs. Bertha D Thompson	\$783.13
April 21, 1930—LOT 57 Beverford Heights, Sacramento. Forsberg & Frise vs Thomas and Eva McMahon	\$19

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$1500; 1516 Kern St., owner, Kamikawa, premises; contractor, Broadway Sheet Metal Works, 1142 H St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
April 26, 1930—LOTS 11 to 15 BLK 7, Lisenby Terrace, Thos Howland to whom it may concern.....	April 25, 1930
April 22, 1930—NW 15 FT. LOT 21, Lot 22 Blk 96, Fresno. Fisher Glassford Hardware Co to Irwin & Hopkins.....	April 19, 1930
April 24, 1930—LOTS 15 AND 16 Blk 2, High Addition, Fresno. E G Byrd to whom it may concern	April 24, 1930

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on May 21, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of

portions of State Highway, as follows:

Humboldt County, between Loeleta and two miles north of Beatrice (I-Hum-1-G), about five and two-tenths (5.2) miles in length, two and six-tenths (2.6) miles to be graded and five and two-tenths (5.2) miles to be surfaced with river run gravel.

San Joaquin County, a bridge across Mokelumne River near Lodi (N-S-J-4-C), consisting of three 54-foot reinforced concrete girder spans on concrete piers with pile foundations and thirty-five 19-foot timber approach spans with concrete deck on pile piers.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed

work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed to be the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

C. H. FURCELL,

State Highway Engineer.

Dated April 23, 1930.

(Apr. 23; May 5-12-19)

COMPETITION CUTTING PROFIT AT SEATTLE

According to word from Seattle building material men in general are not enthusiastic over conditions at present, but assert that improvement should be in evidence before the summer is over. Competition is one of the factors in cutting profits on the big jobs that are open.

Opinion as to the amount of residence building that will offer sales opportunities is divided, some declaring that this work will be limited and others that it is due for a gain. Improvement is noted over last year although it is stated this section will be better off than other cities on the Pacific coast, still no enthusiasm is noted among home builders. Dealer declare that building is behind a compared with last year with but few large projects to offer sales.

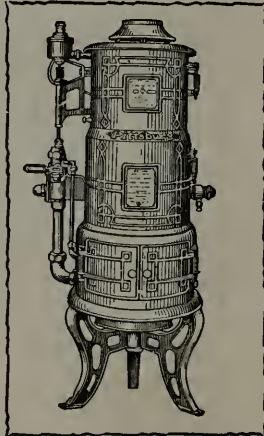
Ironworkers have been most in demand during the past week in the Seattle building trades field with carpenters and building laborers next on the list. Conditions are quiet in the plastering line and plumbing and steamfitting is not as active as was anticipated.

A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."



Pittsburg Water Heater Co.

Makers of "Pittsburg Automatic"—"Bungalow Automatic" Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland 478 Sutter St., San Francisco

SEND FOR CATALOGS

BUILDING *and* ENGINEERING NEWS

Publication Office
Mumson Street

SAN FRANCISCO, CALIF., MAY 10, 1930

Thirtieth Year, No. 19
Published Every Saturday

SUMMERBELL TRUSS CO



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., MAY 10, 1930

Thirtieth Year, No. 19

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone Garfield 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

LICENSE ORDINANCE PASSED BY S. F. SUPERVISORS

An ordinance imposing license taxes on contractors and sub-contractors has been passed to print by the San Francisco Board of Supervisors. The proposed ordinance amends Ordinance 5132, Section 32 and reads as follows:

Section 32. (a) Every person, firm or corporation engaged in the occupation of and doing business as a contractor, sub-contractor, or as a builder, or engaged in the construction or repair of any building, street, sidewalk, sewer, engineering structure, or any engineering operation, or advertising himself as engaged in or superintending building construction, sewer construction, plumbing construction, street construction, or general construction where the cost or value of the job or the bid tendered exceeds one thousand dollars, shall pay a license fee of twelve and fifty one-hundredths (12.50) dollars per quarter.

(b) Every person, firm or corporation so engaged or advertising himself as so engaged in any business or job described as above, where the value or cost of the job or bid tendered is less than one thousand dollars, shall pay a license fee of five (\$5) dollars per quarter.

(c) Every person, firm or corporation engaged in the business of sign or general painting (except automobile painters) shall pay a license fee of twelve and fifty one-hundredths (12.50) dollars per quarter.

(d) Master electricians and master fixture electricians, as described under the provisions of Section 49 of this ordinance, shall pay the license fee provided for in Section 49, and shall thereby be exempt from the license fees imposed in Section 32 of this ordinance.

Section 2. This Ordinance shall take effect immediately.

PARTITION HANDBOOK ISSUED BY METAL LATH INTERESTS

Associated Metal Lath Manufacturers, 1821 Engineering Bldg., Chicago, has issued the Partition Handbook prepared by Erwin M. Lurie, civil engineer, which comprises complete discussion of various types of partitions from many standpoints. This information covers the subjects of Space Saving, Sound Insulation, resistance to Impact, Vibration, etc. It contains probably the most complete exposition of Sound Insulation that has been condensed into so few words, and yet which is so comprehensive in its treatment.

A. G. C. SELECTS S. F. FOR 1931 CONVENTION

The Associated General Contractors of America have selected San Francisco for their 1931 convention. The choice was made by the national executive board of the association meeting in Washington, D. C. The delegates will meet in January and it is expected that the convention will bring to San Francisco 2000 leaders of the building construction and engineering industries from all parts of the country. The association has branches in 128 cities.

McMILLAN HEADS SANTA ANA BLDRS. EXCHANGE

Exchange Features Annual Golf Tournament and Awards Prizes

R. C. McMillan, general contractor, was installed president of the Orange County Builders' Exchange at the monthly meeting of that organization held at the Newport Harbor Yacht Club last Tuesday evening. Other officers installed were W. F. Sorensen, painting contractor, first vice-president; C. M. Gilbert, electrician, second vice-president, and Jules W. Markel, general contractor, treasurer.

New directors are W. J. Tway, H. O. Ehlen, W. J. Kelly, R. C. McMillan, V. O. Kisner, W. F. Sorensen, Allison Honer, A. L. Foster, C. M. Gilbert, Roy Cavett, Jules Markel, N. E. Lentz, A. F. Schmid, S. F. Sorensen and L. R. Wilson. These men represent eight basic branches of the industry and five communities outside the city of Santa Ana.

The exchange recently featured its first annual golf tournament at the Santa Ana Country Club, more than fifty members turning out for the event. Handicaps were arranged for all.

R. G. "Bod" Holden, representative for Victor Cement, was winner of the first prize, the Builders' Exchange silver cup for the best Low Net Score. L. H. Robinson, representing Fuller Company, won first prize for the best Low Gross Score. D. E. Liggett of the Liggett Lumber Company, carried off first prize in the Blind Boxey, and Allison Honer and R. F. Flippes were tied for first prize, Matched Play against Par.

A special prize was awarded President McMillan, the newly elected president of the exchange.

Norb Lentz was general chairman of the tournament, assisted by E. Steffensen, S. C. Russell, G. N. Robertson, C. M. Gilbert, Chas. F. Mitchell and R. C. McMillan.

Frank F. Goodman, electrical contractor, 350 Waller St., has been admitted to membership in the San Francisco Builders' Exchange.

OAKLAND BUILDING APRIL TOTALS \$942,224

A. S. Holmes, city building inspector of Oakland, reports the issuance of 380 building permits in April for improvements valued at \$942,224. The following is a segregated report of the Oakland activities for April, as compiled by Holmes:

Class. Bldgs.	No.	P'mts	Cost
1-story dwellings	41		\$142,750
2-story "	6		42,900
3-story apts.	3		155,000
1-story stores	1		7,000
1-story office	1		2,350
1-story infirmary	1		40,000
1-story chapel	1		4,000
2-story shop	1		3,800
1-story brick garage	1		4,000
" and shop	1		5,000
1-story brick cannery	1		158,000
3-story brick school	1		90,000
and convent	1		500
Brick addition	1		6,100
1-sty. brick & tile shop	1		6,000
" garage	1		2,000
Brick & tile addn.	1		5,000
1-sty. brick-conc. whse.	1		100,000
3-story brick-conc. store	1		7,000
1-story concrete garage	1		15,800
2-story conc. dwelling	1		7,000
Concrete addn.	1		7,000
Conc. reservoir	1		12,250
1-story steel serv. sta.	10		3,150
" comfort station	3		2,100
Steel canopy	2		2,775
Billboards	22		18,197
Electric signs	68		858
Roof signs	2		17,137
1-story garages & sheds	61		34,405
Additions	59		42,702
Alters & repairs	83		
Total	380		\$942,224

SACRAMENTO TO BE HOST TO STATE PLUMBERS

Master Plumbers of California will journey to Sacramento next week for their twenty-ninth annual convention.

The sessions open Monday and will continue throughout Wednesday. Late Wednesday night, the plumbers will board two special trains for Lake Tahoe, returning to Sacramento Friday for the annual golf tournament.

All sessions are to be held in the Florentine Room of the Hotel Senator. J. B. Hawley will call the meeting to order, and there will be the introduction of the state president, Fred W. High of Fresno, and the local association president, D. H. McAlpine. Governor C. C. Young is expected to deliver an address of welcome to the visitors.

Several speakers are on the program, including Coleman Cox, the lecturer; Charles M. Swinnerton of Los Angeles, national director of master plumbers; and James Collins, state director of vocational and professional standards.

The keynote of the convention will be the ethics of the business and the advancement of sanitation with the introduction of the most advanced sanitary methods.

ADVANTAGES OF WELDED STEEL FLOOR CONSTRUCTION REVIEWED

Address of Lee H. Miller, Chief Engineer, American Institute of Steel Construction, before American Welding Society, April 24, 1930

It is probable that the most important single accomplishment of the human race has been the attainment of a temperature that would melt large steel ingots on an economically commercial basis. This was accomplished somewhere in the neighborhood of 1830 and since that time there has been a greater change in the economic, industrial and scientific phases of human endeavor than all the rest of history combined. In fact it can be safely stated that our progress has been inversely proportional to the cost per pound of steel.

Last June in addressing the graduating class of Western Reserve University the speaker stated that 90% of the human knowledge has been acquired in the last fifty years. Even if this statement were discounted 50% it is still startling. Since that time every phase of our existence has been completely revolutionized or is still passing through such a condition, and all of it can be traced to the basic influence of steel on all other interests.

During such a period of revolution it is natural that many false starts and experimental undertakings would come into existence, and be subjected to the conservative attitude of those who are more influenced by the traditions of the past than the expectations of the future.

The basic requirements of existence are food, housing, and clothes. In connection with the problem of housing, steel has in the last fifty years, in the United States, been instrumental in developing a genius for architecture that has resulted in the most remarkable type of building construction that the race has ever known. Even in the last five years it is easy to detect a transition in the nature of our skyscrapers and the introduction of architectural treatment that never existed before.

The sole purpose for constructing a building is to provide floors which can be protected from the weather by walls, windows and roof covering. The only reason for building a floor is to provide supports for a live load. The floor of a building may be the ground itself, but it is usually a more intimate part of the structure.

When the skyscraper came into existence it provided multiple tiers of floors, one above the other supported on a steel skeleton frame consisting of steel columns, girders and beams. At that time the skeleton frame provided sufficient tonnage to satisfy the productive capacity of the steel mills, and the problem of installing floors in the panels between the main girders was left to the architect and the engineer. Originally these floors were made of brick arches, later of flat tile arches, and still later of other types of material such as wood packed floors, reinforced concrete and gypsum.

At the inception of the multiple story building the art of welding as it now exists was unknown, but progress in this field has made it possible to develop a type of steel floor which will meet every requirement that floor construction is called upon to perform.

Probably no part of a building structure under present conditions has

been more unsatisfactorily developed than the floor panel construction, and yet it is the one reason for having a building. Present methods of construction involve the use of materials in the floor panels which constitute a dead load that generally weighs considerably more than the live load which is to be supported. This excessive weight of the floor panel must be carried into the skeleton frame, girders and columns, and ultimately to the foundation. It is therefore evident that one of the conditions which limits the height of multiple story buildings will be the capacity of the foundations to carry the dead load of the structure, which is greater than the calculated live load.

Reference to the column schedule of a multiple story building will show the column stresses for dead loads are approximately two-thirds the total stress, the other third being live load.

Engineering practice and code requirements recognize that the probability of the contemplated live loads being simultaneously applied to all floors of a building is very remote, and therefore it is permissible to assume a very substantial reduction in the specified live load for designing the lower story columns and foundations of tall buildings. This permissible reduction does not apply to the dead load which is, of course, always present.

By the use of steel plates and beams it is possible to develop a welded steel floor that will be better than any other floor that has been used before, and will stand every service to which the floor may be subjected. It will be a floor in which it is possible to determine in advance the stresses in all parts of a floor which will recover 100% of its deflection due to live loads when those loads are removed.

Usually the first objection that is made to this type of floor is that it has not been used before, and is therefore without precedent. This objection, however, is not true since steel plate floors have been used for the charging floors of open hearth furnaces and for the decks of battleships, which are subjected to the most severe service that is known.

Probably the other extreme of floor service is that connected with our ocean liners, which have the most palatial environment that can be devised. Here again the floors are of steel.

Connected with our steel manufacturing plants there are always large bins for storing the heavy materials used in the manufacture of steel. Engineers experienced in the construction of these bins, with horizontal bottoms, have used $\frac{5}{8}$ " plates for bin bottoms 18' square, and do not use stiffeners on the plates until the dimensions exceed 18'. Such bin bottoms are carrying loads often in excess of 2000# per square foot. These floors are, however, securely anchored against both horizontal and vertical deflections at their edges. While such floors would satisfactorily meet the requirements of strength for building construction, they are obviously too flexible to serve as anything except the bottoms of bins.

For building construction the floor can be made of small I beams 3", 4" or 5" in depth, spaced approximately 24" apart, and supporting steel plates which have their edges over the cen-

ter line of the beam. For anything except extremely heavy loads, $\frac{3}{16}$ " or $\frac{1}{4}$ " plates 24" wide are sufficient to meet building requirements.

Automatic welding equipment has been devised that will travel along the seam between the edges of the plates and weld them together and at the same time weld them to the top flange of the beam over the center line of the web. The result will be a built up T section with the plates acting as the upper flange and the beam acting as the vertical part of the T. The neutral axis of the T section will be close to the top flange of the beam, and when the flange of the beam is stressed to 18,000# per square inch the plates and top flange will have a stress of only 3000 to 4000 pounds per square inch. The weld being immediately over the center line of the beam, provides a connection that is at the theoretically most efficient position.

By using a 3" 5-7/10# I beam spaced 24" centers, and a $\frac{3}{16}$ " plate, such a floor construction will carry a total load of 190# per square foot, on a 10' span with a deflection of .104". The same floor will carry a total load of 85# per square foot on a 15' span with a deflection of .235".

The weight of the steel work including the beams and plates for this floor, will be 10½# per square foot.

By a proper variation in the size of the beam and the space between them, together with the thickness of the plates, it is possible to develop a floor to meet almost any condition of loading with a dead load saving of from 25% to 50% of present construction.

It is assumed that this combination construction will be made continuous over the tops of the supporting girders or by framing the small beams into the girders flush on the top and having the plates continuous.

Inasmuch as any interior floor panel of a building is completely surrounded by the other floor panels, it is obvious that the calculations for the stresses in such panels can be properly based on the fact that the ends are fixed.

By the use of the flame cutting torch or the electric arc it is possible, at a very low labor cost, to frame this floor system into irregular panels more efficiently than any other type of floor now used.

Another question that naturally arises is, what will be the strength and deflection of the plates between the supporting I beams to which they are welded, and which are for the purpose of this paper, assumed to be 24" apart.

A $\frac{1}{2}$ " plate will carry a uniformly distributed load of 562# and have a deflection of .089" between the small beams. These plates will carry a center concentrated load between the small beams of 750# per linear foot, with a deflection of .119". Under the same conditions the $\frac{3}{16}$ " plate will carry a uniform load of 316# per square foot, and a concentrated load of 422# per square foot. These loads are far in excess of what the T section will develop and indicate that

the floor construction is really safe in both directions.

One of the features connected with the construction of such a floor is the possibility of getting plates sufficiently flat and free from camber. If the welding is to be done by the carbon arc method it is, of course, necessary that the edges of the plates be as close in contact with each other as possible, and that the distance between the edges shall not be excessive. If, however, the welding is to be accomplished by the weld rod electric arc it is advantageous to have a space of approximately $\frac{1}{4}$ " between the edges of the plates where the head is deposited.

In the practical construction of some of the floors that have already been made it has been found that an excessively large weld rod requires the generation of a heat that tends to cause the plates and beams to warp out of shape, but this has been overcome by reducing the size of the weld wire.

So much progress has already been made in the art of arc welding that there should be no difficulty in developing automatic machinery to take care of this floor system. In fact different manufacturers of welding equipment have already put on the market automatic traveling equipment that will weld the seam at the rate of approximately 90' per hour, and at a cost estimated to be approximately 3¢ per linear foot. These welding costs, however, are dependent on the conditions connected with the operation itself.

In construction it will be found necessary to weld the bottom flange of the I beam to the shelf angle on the main girder in order to provide continuity or a fixed end bending moment.

The actual amount of welding necessary to develop the strength of the T section is only about 25% to 40% of the length of the seam, but it will undoubtedly be more economical and satisfactory to make the welding continuous rather than attempt to develop the strength with the minimum amount of welding.

The floor construction itself generates a solid steel deck which will act as a girder to prevent any twisting distortion to the building when subjected to wind or earthquake. It will enable the engineer to select that part of the structure which is to carry the wind stresses to the foundations, and be assured that the deck flooring will deliver the stresses to the most rigid part of the vertical frame. The floor construction can be carried out into the walls to provide spandrel construction to support the outside walls. It will provide a working floor for other trades and in many places eliminate the necessity of temporary planked floors.

It will, of course, be necessary to insure such floors when the combustible contents may generate a heat that will produce a temperature in the steel in excess of 1000° F. This fire protection can be taken care of either by metal lath and plaster, or by precast blocks of fireproofing inserted or suspended on the lower flange of the small beams. Either type can be erected after the welding is completed, and there will be provided openings for conduits which may be carried along the main girders and transversely under the steel plates between the small beams. On the other hand if it is advisable to do so, it will be possible to lay all of the conduits on the top of the steel plates, and have them covered with a light weight fill, which will

also act as a top fireproofing in case it should be required.

At the present time, however, the specifications written to regulate the testing of floor construction for fire do not contemplate a fire on the upper surface. It has been assumed in the past that the fill on the top of ordinary floor panels to cover conduits acts as fireproofing for the top flange of beams and girders. On the other hand if grate bars and furnace construction is a precedent it should be possible to have a very considerable fire on the top of the plates without the temperature becoming dangerous. This is due to the fact that all heat generated from combustion will rise, and all air necessary to feed combustion must come from the floor. The evidence that this condition actually exists in fire is borne out by a recent fire which occurred in a wood working factory for manufacturing automobile bodies. An extremely intense fire existed immediately surrounding the automobile chassis with its rubber tires, but neither of these were destroyed, and the floor above which was considered fireproofed was completely destroyed from the heat on the ceiling side.

It is possible to provide any form of treatment for the top surface of these steel plates, either mastic finish, linoleum, cork tile or other forms of covering. A manufacturer of cork tile has stated that they recently took a contract for covering approximately 40,000 square feet of floor in the Cleveland Terminal Tower Building, at a price of approximately 42¢ a square foot. Such floors can be laid with a mosaic pattern in various shades of brown, and eliminates the necessity of rugs, except as ornaments. The total cost of a floor constructed of 3" I beams and 2 1/8" plates covered with cork tile and fireproofed on the under side will be a little more than \$1.00 per square foot. It should be remembered in this connection that the cork tile floor eliminates the necessity of any other floor covering, which is always a part of the tenant's expense when using an ordinary masonry floor. The cost of a good Chenille rug is from \$1.25 to \$1.50 per square foot and the above referred to floor system will cost complete, less than the carpet, and eliminate its necessity.

Some of the large department stores of the country have found that the dusting which takes place in ordinary masonry floors has a very serious effect on their delicate fabrics, and in one instance a large department store has installed steel checker plate floors without any covering whatever, and these floors are accepted by the building department as fireproof.

The floor for the addition to the Library of Congress at Washington is designed of steel plates bolted to angles and channels with $\frac{1}{2}$ " of cork tile floor on its top surface. I have been advised that the floor will be installed by welding instead of bolting. Here is a structure requiring both quietness and fire resistance.

Several floor panels have already been constructed and the results confirm the theoretical analysis as to strength and deflection. In fact the deflections indicate that the floor is actually stronger than the theory would indicate, based upon bending moments in the material.

For bridge floor construction a combination of steel beams with steel plates can be assembled that ma-

terially reduce the dead load of the structure, and provides a lateral rigidity more satisfactory than any floor diagonals now used. Several draw bridge spans have already been designed with this type of construction, and they have resulted in not only reducing the dead load, but also the cost of the structure.

Used in connection with multiple story buildings the saving in dead load is sufficient to enable the engineer to add 25% or more floors to the structure without increasing the load on the foundations.

From the standpoint of the welding equipment manufacturers and engineers, this type of floor construction offers an excellent means of promoting the general introduction of the art of welding for construction purposes. Whether we recognize it or not, there has been a very definite antagonism on the part of many engineers against the use of welded connections, but this floor system uses welding only for the development of the secondary stresses in floor panels, and provides an outlet for welding equipment and application on a scale so much greater than exists in welding the primary members of the frame together, that it should be possible to use it as the basis to overcome the general prejudice that exists against this very valuable tool. The A. I. S. C. has prepared several pages of tabulated data showing the allowable loads and deflections for various spans of floors constructed on this basis, and this data is available for distribution on request.

ABANDON DAY LABOR FOR CONTRACT METHOD

Inauguration of a policy that "all buildings shall be let to contract and awarded to the lowest responsible bidder" has been announced by H. N. Bradley, president of the State Board of Control of West Virginia, according to the United States Daily.

This is a "departure in part from the former custom relating to certain buildings which were erected by the State," Mr. Bradley's statement pointed out.

James S. Lakin, former president and now a member of the board, said that the principal State buildings erected directly by the board's employees were the structures for the school for the blind at Romney, the Gore and Conley hospital buildings at Hopewell and the Rutherford sanitarium at Beckley.

For these latter buildings the control board hired the labor, purchased the material and completed the project. It is this practice that will be eliminated.

The smaller buildings also will be let to contract, even those costing as little as \$1000, Mr. Lakin said.

Mr. Bradley's statement called attention to the "tendency" in recent years for the government to engage in certain lines of business in competition with its citizens and termed such competition "unfair."

Mr. Bradley said that the board's experience is that the new policy is the most expedient and the most economical method to be pursued. "The board feels," he continued, "that an outstanding saving is effected in the manner of the having to purchase, when engaged in construction, steam shovels, concrete mixers and other machinery which ordinarily becomes a liability after the work on the particular building is completed."

TRADE NOTES

Union Lumber Co. of Fort Bragg plans to establish a branch yard at Willits, Mendocino County.

Sims Neon Company has leased space at 372 Adeline St., Berkeley, where Sims Signs will be turned out under the management of J. G. Sims.

Petroleum Heat & Power Company, San Francisco marker of oil burners, has opened a factory branch at 310 Broadway, Oakland, under A. H. Blackwell.

Hawley Bros., Inc., Seattle manufacturer of oil burners, has opened branch offices at Tacoma, Aberdeen, Bellingham, Olympia, Wash., and at Vancouver, B. C.

Santa Rosa Roofing Co., 585 Mendocino Ave., Santa Rosa, has been appointed sales representatives in Sonoma County for the John Lucas and Co., Inc., line of paint products.

E. E. Baker, formerly San Jose manager of the Peerless Pump Company, has been appointed branch manager of the Fresno branch, with headquarters at 1864 H St. Baker succeeds L. A. Harnish.

O. K. Webb and H. W. Fleming, operating an electrical business at 368 East Julian St., San Jose, announces dissolution of partnership. H. W. Fleming will continue the business at the same location under the same firm name.

Willits Lumber Co. of Willits, Calif., has been re-organized and incorporated as the Willits Lumber Co., Inc. Officers are Paul S. Foster, President; F. G. Phelps, vice-president and Joseph Sheehan, secretary. George Heyward will continue as manager.

Carl D. Shufelt, connected with the sales staff of E. K. Wood Lumber Co., has been appointed vice-gent snark of the Los Angeles District, Order of Hoo Hoo. He was formerly engaged in the lumber business at Salt Lake City, Utah, and was vice-gent snark in that district.

Shirley S. French for the past three years president of the Berger Mfg. Co., now a subsidiary of the Republic Steel Corp. and for the past 18 months vice president and treasurer of the Central Alloy Steel Corp., has resigned, effective May 1. Before assuming the presidency of the Berger Company at Canton, Ohio, Mr. French was for ten years vice president and general manager of the Fireproofing Co. at Youngstown, Ohio. Tom M. Girdler, chairman of the Republic Steel Corp., announced that the Berger Mfg. Co. will continue under the active leadership of Joseph B. Montgomery, as vice president and general manager; J. S. Sprott, general sales manager; George B. Harlan, secretary and treasurer; and Fred A. Schmitz, factory manager. The Berger Mfg. Co., now a subsidiary of the Republic Steel Corp., has been for the past 44 years manufacturer of fabricated steel products, specializing in the manufacture and distribution of steel office furniture, shelving, lockers, steel ceilings, metal lath and other building products.

WASHINGTON STATE LEADS PACIFIC COAST AREA IN BUILDING PERMITS FOR APRIL

All Pacific Coast States Report Decreases in April Building Activities as Compared With Those for Corresponding Period in 1929—

Washington State Leads With 10,001 Permits Having Valuation of \$24,558,542—California Ranks Second With 7,230 Permits for Improvements Valued at \$17,871,972

The following is a complete tabulation of building permits issued in Pacific Coast Cities, together with April, 1929, activities, as reported by building department executives:

CALIFORNIA

City	No.	April, 1930 Cost	April, 1929
Alameda	68	\$ 181,113	\$ 213,935
Alhambra	79	231,530	186,577
Bakersfield	63	140,588	125,853
Berkeley	156	304,352	398,543
Beverly Hills	78	365,500	766,400
Burbank	38	102,365	91,325
Burlingame	12	33,674	221,449
Carmel	16	25,835	42,562
Chula Vista	14	9,800	22,090
Colton	10	32,400	8,500
Compton	26	23,656	106,660
Coronado	17	66,473	28,895
Culver City	18	106,444	80,450
Emeryville	9	61,500	41,650
Eureka	25	42,386	24,787
Fresno	79	225,449	182,494
Fullerton	20	32,985	100,912
Glendale	128	362,660	726,230
Hayward	9	8,190	31,863
Huntington Park	67	101,185	182,000
Inglewood	44	61,860	39,450
Long Beach	459	1,061,215	2,025,165
Los Angeles	2,732	7,026,972	9,843,782
Los Gatos	8	4,400	3,400
Lynwood	22	47,625	66,050
Modesto	38	48,200	65,260
Monrovia	16	26,500	33,500
Montebello	17	33,325	39,700
Monterey	36	75,125	44,261
National City	9	8,560	41,830
Oakland	380	942,224	1,935,831
Oceanside	16	25,975	25,550
Ontario	24	33,475	57,740
Orange	9	23,000	3,500
Pacific Grove	22	21,875	21,245
Palo Alto	28	78,200	131,190
Palos Verdes Estates	6	20,000	62,000
Pasadena	329	363,334	680,623
Petaluma	9	12,590	24,000
Piedmont	16	16,969	130,075
Pomona	78	95,311	72,040
Redlands	13	56,780	94,400
Redwood City	28	35,145	53,150
Richmond	54	63,420	48,870
Riverside	45	71,565	98,345
Sacramento	139	454,626	378,938
Salinas	40	110,973	66,489
San Bernardino	51	79,472	180,053
San Diego	343	584,665	719,406
San Francisco	587	1,356,653	2,816,146
San Gabriel	15	21,750	46,875
San Jose	68	593,735	227,319
San Leandro	22	47,560	104,560
San Marino	39	319,806	531,235
San Mateo	23	115,415	216,885
San Rafael	16	34,198	58,760
Santa Ana	62	122,482	86,921
Santa Barbara	118	215,452	224,795
Santa Monica	72	338,280	372,262
Santa Rosa	17	23,150	21,690
South Gate	61	122,790	224,515
South Pasadena	16	12,083	25,145
Stockton	57	234,410	102,595
Torrance	16	47,215	120,989
Ventura	18	151,626	224,300
Vernon	54	54,175	349,113
Watsonville	22	15,925	132,825
Willow Glen	13	48,785	
Total	7,230	\$17,871,972	\$26,452,642

ARIZONA

Phoenix	94	\$ 785,638	\$ 436,842
Tucson	85	70,563	648,534
Total	179	\$ 856,261	\$ 1,085,376

IDAHO

Bolse	100	\$ 47,911	\$ 133,000
Idaho Falls	18	23,665	38,500
Lewiston	31	113,620	39,800
Nampa	38	9,145	77,905
Total	187	\$ 194,341	\$ 287,205

NEVADA

Reno	30	\$ 64,900	\$ 116,500
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OREGON

Albany	7	\$ 8,035	\$ 51,319
Astoria	22	7,968	7,635
Eugene	46	32,425	65,442
Klamath Falls	82	144,080	148,741
La Grande	17	87,385	20,000
Marshfield	10	3,997	9,500
Portland	547	979,830	1,343,025
Salem	60	58,717	132,532
Total	791	\$ 1,322,437	\$ 1,773,185

UTAH

Logan	7	\$ 20,400	\$ 52,700
Ogden	40	140,350	156,220
Salt Lake City	100	367,070	940,465
Total	147	\$ 527,820	\$ 1,149,385

WASHINGTON

Bellingham	64	\$ 121,955	\$ 665,020
Everett	77	50,375	61,730
Hoquiam	22	10,105	114,238
Longview	13	11,594	87,045
Olympia	34	36,740	104,475
Port Angeles	20	63,500	24,540
Seattle	565	2,112,920	4,604,090
Spokane	275	217,918	556,120
Tacoma	223	708,495	369,555
Vancouver	22	25,604	102,125
Walla Walla	24	44,450	82,630
Wenatchee	39	107,400	790,000
Yakima	59	219,755	235,725
Total	1,437	\$ 3,720,811	\$ 7,797,343
Grand Total	10,001	\$24,558,542	\$38,666,636

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

A variant has been noted by government experts which makes it difficult to compare this year's building statistics with those of preceding years, writes Paul Wootton, Washington correspondent for Engineering News-Records. More building is obtained by the same outlay. The variant is not declining prices, but a reduction in stresses brought about by improved materials and a more accurate knowledge of the safety factor.

Building codes in many cities are being liberalized in view of increased engineering knowledge. In many sections the allowable unit stress for structural steel has been increased to 15,000 lb. Similar changes also are being permitted in lumber stresses. Requirements of other building materials are being liberalized. A survey of building codes that has been made by the Commerce Department discloses that many of these codes are outworn. It is significant, however, that a movement to bring the building codes up-to-date has been sweeping over the country. A recent check on the Commerce Department's survey showed that 200 cities are preparing to or already have amended their building codes.

President Hoover on May 2 requested Congress to make available immediately \$10,660,000 to begin construction of Boulder Canyon dam. The request was made in order to supply funds for the commencement of work on the main stream of the Colorado river at Black Canyon to create a storage reservoir and for a power plant and incidental structures.

Approximately \$634,785,690 will be spent in the United States in 1930 for heating and ventilating equipment for new buildings. A survey made by Heating and Ventilating, a trade paper, estimated that \$138,000,000 will be spent for the construction of houses costing up to \$20,000 each and that the heating equipment in these houses will cost \$12,958,448. For dwellings costing from \$20,000 to \$50,000, the estimated total expenditure will be \$135,000,000, of which \$16,283,232 will be for heating and \$2,713,872 for ventilating.

During the month of April, 1930, the Los Angeles city building department issued 2792 permits with an estimated valuation of \$7,026,972, as compared with 2940 permits with an estimated valuation of \$9,843,782 for the same month a year ago, and 2764 permits with an estimated valuation of \$7,045,931 for the month of March, 1930. Los Angeles' building total for the first four months of the current year was \$27,085,813 as compared with \$37,534,185 for the corresponding period last year.

According to Associated Press dispatches from Washington, an administration summary of the measures taken to expedite construction and relieve unemployment shows that the construction program has been increased virtually to \$125,000,000. Included in the efforts is an increase in road appropriation of \$50,000,000. It was pointed out also that inasmuch as similar expenditures by the States is necessary to make Federal aid available to them, the unemployment situation should be materially relieved from this one source.

Engineering News Record reports that April contracts let in the field to heavy construction and engineering throughout the Nation reached an aggregate of \$335,839,000, 14 per cent below the record March total, but 6 per cent above April, 1929. March contracts totaled \$391,833,000, while lettings in April a year ago were valued at \$316,209,000.

Letters are being mailed to property owners in Oakland who signed petitions for street improvements specifying patented paving and proceedings of which have been cancelled, to determine the opinion regarding plans to continue with the paving under open specifications, Walter N. Frickstad, city engineer, announces.

Structural steel workers in New York City need climb no more than fifteen floors to reach their work, according to a recent ruling by the Structural Steel Board of Trade. When transportation is not furnished to within fifteen stories of the derrick location, a charge will be made of one-half hour's climbing time per man. This ruling was adopted to lessen accidents caused by physical exhaustion.

Dominion Steel & Coal Corp., a new organization chartered in Nova Scotia, will take over the physical assets of the British Empire Steel Corp., the Dominion Steel Corp., Ltd., and the Dominion Iron & Steel Corp., Ltd. The consolidated company will have assets of more than \$50,000,000. Directors of all three companies concerned have approved the merger, which will be submitted to shareholders for their authorization.

Receipt of class 1 applications for registration as civil engineers in the state of California will close at midnight on June 20, 1930. Class 1 applicants are entitled to registration without examination, under the provisions of section 10, chapter 801, California Statutes of 1929. The only applications acceptable after that date are class 2 (reciprocal registration under section 11 of the Act), and class 3 (examination required). Engineers who have not already received application blanks should communicate with the Department of Professional and Vocational Standards, State Capitol, Sacramento, or Phelan Bldg., San Francisco. All engineers come within the provisions of the Act.

Following a symposium at which several prominent California architects discussed the modern movement in architecture, the premiere exhibition of contemporary creative architecture of California has closed at the University of California at Los Angeles. The exhibit was in display for ten days in the Art Department of the University. It was compiled by Miss Pauline Schindler in cooperation with the Western Association of Museum Directors, and will be shown in the principal cities of the Pacific coast and southern states.

Declaring that "form follows function" the architects adhering to the modern trend refuse to plaster any useless ornamentation upon a building. It was brought out in the symposium. Real beauty lies in practical ornamentation. It was declared. Architects whose work was included in the exhibit are Frank Lloyd Wright, Richard Neutra, R. M. Schindler, Jack D. Peters, John Weber, Kem Weber and J. R. Davidson.

HERE — THERE — EVERYWHERE

American Plan Open Shop Conference will be held at Duluth, Minn., June 4-5 and 6.

Regular monthly meeting of the Builders' Exchange of Contra Costa County will be held May 29, it is announced by W. A. Brown, secretary.

Buzzell Electric Works, specializing in motor installations and industrial wiring, 130 8th St., has been admitted to membership in the San Francisco Builders' Exchange.

National Acoustic Plaster Co., Ltd., J. Don Griggs and Aetna Casualty & Surety Company, have filed application for membership in the San Francisco Builders' Exchange, it is announced by R. J. H. Forbes, Secretary.

Plans for the Organization of a sewer district in a 32-square-mile area north of the city limits of Seattle, Wash., have been submitted to the county commissioners of Kings County. The plans, which involve the expenditure of several million dollars, will require a special election.

Lawrence O'Connor of San Francisco has been elected president of the Engineering Society of the University of Santa Clara. Other officers elected were: Donald Hall, vice-president; William Warren, secretary; Dino Ceccarello, treasurer; John Wallace, sergeant-at-arms; Shirley Arnold, librarian, and Charles Harvey, assistant librarian.

A resolution asking that the Contra Costa county board of supervisors appoint a county electrical inspector has been drawn up by the Contra Costa County Electrical Development league held in Crockett and will be presented to the supervisors at their next meeting scheduled for May 5. The resolution proposes that owners of the buildings inspected pay the inspector fees.

GRADE-CROSSING FATALITIES DROPPED IN 1929

Reports for the year 1929 filed by the railroads with the Interstate Commerce Commission reveal that, although both the number of accidents at highway grade crossings and the number of persons injured increased during the year 1929, the number of persons who lost their lives in such accidents was reduced 3.2 per cent compared with 1928. Detailed figures are: accidents, 5,975, compared with 5,800 during 1928; persons injured, 6,804 and 6,666; fatalities, 2,485 and 2,568.

TO DISINCORPORATE

The Sudden Lumber Co. of Redwood City seeks dissolution of corporation, according to a voluntary application filed before the San Mateo County Superior Court by its directors. The board of directors of the concern is composed of M. E. Sudden, E. R. Sudden, Albert A. Axelrod, H. W. Fennimore and H. R. Blair Jr. Philip S. Ehrlich of San Francisco represents the Sudden Lumber Company in its petition.

ALONG THE LINE

James H. Mitchell, architect, formerly associated with Willis Polk and Company, San Francisco architects, has opened his own offices at 369 Pine St., San Francisco, for the practice of architecture.

C. C. Van Valkenburgh, Jr., has been appointed city commissioner of public works at Fresno, succeeding Andrew M. Jensen, who resigned March 1, to enter private practice in San Francisco.

George H. Wilhelm has been officially installed commissioner of public works of Oakland, succeeding William H. Parker, resigned. Wilhelm is a graduate of the University of California and for twenty-five years was general manager and chief engineer of the East Bay Water Company.

Guy Hyde Chick, president of the City Improvement Company of Oakland, passed away at his Berkeley home, May 2. Mr. Chick was at one time superintendent of streets of Berkeley and former president of the Contra Costa Construction Company and the Contra Costa Building Materials Company.

A. M. Grindell, 65, died at his home in Rocklin, Placer County, May 1, following a long illness. Grindell was a granite quarry operator in Rocklin for years, having been the head of the California Granite Company. Later he operated quarries in Porterville. His widow, a son and three daughters survive.

Horatio C. (Racy) Cate, superintendent of the Pratt Rock, Sand & Gravel Company, of Sacramento, died in that city following an operation for appendicitis performed four weeks ago. Cate was 41 years old and went to Sacramento from Marysville twelve years ago. His widow and three children survive.

E. A. BAILEY, ENGINEER, GETS FEDERAL POSITION

E. A. Bailey, former flood control engineer for the State of California, and more recently engaged in private engineering practice at Sacramento, has received an appointment from the United States Government to supervise a project of flood protection in West Virginia.

Bailey's work will include bank protection and flood control on several tributaries of the Ohio River. He will be stationed at Huntington, W. Va.

With the acceptance of the federal position, Bailey has tendered his resignation as president of the Sacramento Chapter, American Association of Engineers, a post he has held during the past year.

Bailey was with the state flood control work for several years, leaving to engage in private endeavors about a year ago.

NEW PLANT PROPOSED

Le Tourneau Manufacturing Company, specializing in the manufacture of road building equipment, has started negotiations for the erection of a plant in North Wilson Way, Stockton, to replace the present quarters in Moss Street.

TRADE LITERATURE

Koppel Industrial Car & Equipment Co., Koppel, Pa., has issued bulletin 62 describing standard quarry cars, track and track equipment.

"Celite for Construction" has been issued in a revised and enlarged edition containing new material and photographs by the Johns-Manville Corp., New York City.

Dump carts, scrapers, rooters, sheep's-foot rollers, bulldozers and power units for their control are described in "A Small Book Featuring Some Big Machinery," issued by Le Tourneau Manufacturing Co., Stockton, Calif.

Over 40 different types of welding rods, for use in every phase of welding, are conveniently listed and described in a recent bulletin of the Fusion Welding Corp., Chicago, Ill. General information such as standard rod sizes and lengths, packing and other details is also covered.

Littleford Bros., Cincinnati, Ohio, have issued two 32-page booklets describing their products. One of these is a full-size catalog describing asphalt kettles, heaters and miscellaneous contractors' equipment, the other a pocket-size booklet in which the text is greatly condensed. Both publications are illustrated.

Neon lights for the protection of railway grade crossings are being introduced by International Equipments, Inc., New York City. Advantages of this type of signal and results of tests made on several Canadian installations are given in a 16-page illustrated bulletin recently issued.

Characteristics, advantages, methods of manufacture and tentative standard specifications for cast stone, a building stone molded from special prepared concrete in which the aggregate is selected for durability and appearance, are given in a 28-page booklet issued by the Cast Stone Institute, Chicago, Ill., which is profusely illustrated to show applications of the process.

MAHOGANY, CEDAR EXPORTS FROM BRITISH HONDURAS TO U. S. INCREASE

An increase of 4 1/2 per cent in the exports of mahogany and of 23 per cent in the exports of cedar to the United States from British Honduras in 1929, is reported by Consul G. R. Taggart, of Belize, to the Lumber Division, of the U. S. Department of Commerce. The exports of mahogany logs from British Honduras in 1929 totaled 12,157,000 board feet, valued at \$1,301,273 as compared with 11,253,000 board feet valued at \$1,245,503 in 1928. The value of cedar log exports from Honduras to the United States increased from \$40,766 in 1928 to \$50,530 in 1929. Cedar is logged in Honduras only in connection with mahogany cutting. Because of a reported demand in the United States for cedar for boat building, it is probable that more of this stock was cut and shipped in 1929 than in 1928.

Building News Section

APARTMENTS

Segregated Figures Being Taken.

APARTMENTS Cost, \$80,000
OAKLAND, Alameda Co., Cal. Park Blvd., near 8th Ave.
 Three-story and basement reinforced concrete apartments.
 Owner—Max Bakar, Title Insurance Bldg., Oakland.
 Architect—Clay N. Burrell, American Bank Bldg., Oakland.

Plans Being Prepared.

APARTMENTS Cost, \$75,000
STOCKTON, San Joaquin Co., Cal. American and Lindsay Streets.
 Three-story brick apartments (30 2 and 3-room apts.)
 Owner—Mrs. Francis Gardner.
 Architect—Ralph Morrell, Union Bldg., Stockton.

As soon as financing arrangements are completed project will go ahead.

Preliminary Plans Being Prepared.

APARTMENTS Cost, \$—
SAN FRANCISCO, 25th St. and Fair Oaks.

Six-story steel frame and concrete apartments (36 2- and 3-room apartments).

Owner—V. Guilmes, 1203 Guerrero St. Plans by owner.

Project is in a very preliminary stage. More definite information will be given in about 90 days.

Low Bidder.

APARTMENTS Cont. price, \$19,350
BURLINGAME, San Mateo Co., Cal. Two-story reinforced concrete apartment and store building (4 2-room apts. and 3 stores).

Owner—Carl Torello, 1145 Drake St., Burlingame.

Architect—E. L. Norberg, 580 Market St., San Francisco.

Low Bidder—F. J. Cramer, Burlingame.

Preparing Preliminary Plans.

APARTMENTS, ETC. Cost, \$350,000
SAN FRANCISCO, Richmond District.

Twelve two-story frame and stucco flats and 4 three-story and basement frame & stucco apartments.

Owner—Withheld.
 Plans by L. O. Ebbets, Hobart Bldg., San Francisco.

Preparing Preliminary Plans.

APARTMENTS Cost, \$75,000
SAN FRANCISCO, SE Parker and Euclid Aves.

Three-story frame and stucco apartments (18 2, 3 and 4-room apts.)

Owner—H. O. and W. R. Lindemann, 619 27th Ave., San Francisco.

Plans by L. O. Ebbets, Hobart Bldg., San Francisco.

Plans Being Prepared.

REMODELING Cost, \$3,150
MONTEREY, Monterey Co., Calif. Remodel residence for (4) apts.

Owner—John Lobish, Polk St., Monterey.

Construction Engineer—W. W. Hastings, Monterey.

Will contain 18 rooms, comprising four apartments, each with bath; Standard or equal plumbing fixtures. Refrigerators will probably be provided.

Sub-Bids Being Taken.

APARTMENTS Cost, \$50,000
SAN FRANCISCO, S Jefferson St. 152 E Broderick St.

Three-story and basement frame and stucco apartments (12 3 and 4-room apts.)

Owner—J. French.

Plans by D. E. Jaekle, Call Bldg., San Francisco.

Contractor—Standard Bldg. Co., 1610 Harrison St., San Francisco

Elevator, oil burner, heating system and all other modern conveniences

Segregated Bids To Be Taken In One Week.

APARTMENTS Cost, \$75,000
ALAMEDA, Alameda Co., Cal. Santa Clara Avenue.

Three-story and basement frame and stucco apartments with reinforced concrete garage (18 2, 3 and 4-room apts.)

Owner—A. C. Cook.

Architect—Chester Treichel, American Bank Bldg., Oakland.

Construction To Start Immediately.

APARTMENTS Cost, \$325,000
LOS ANGELES, Cal. 938 S Lake St. Eight-story class A reinforced concrete apartments.

Owner—Rex R. Obuchon.

Architect—Arthur LeBrun, Ferguson Bldg., Los Angeles.

Contractor—J. E. Bogue, Ferguson Bldg., Los Angeles.

Contract Awarded.

APARTMENTS Cost, \$500,000
LOS ANGELES, Cal. Berendo and 4th Streets.

Twelve-story class A reinforced concrete apartments.

Owner—Capt. James Irvine.

Architect—G. Lawrence Ott, 346½ S La Brea Ave., Los Angeles.

Contractor—Orndorff Const. Co., 437 S Hill St., Los Angeles.

Plans Being Prepared.

APARTMENTS Cost, \$225,000
SAN FRANCISCO, Location Withheld.

Six-story and basement steel frame and reinforced concrete apartments.

Owner—Name Withheld.

Architect—Albert H. Larsen, 447 Sutter St., San Francisco.

Plans Being Prepared.

APARTMENTS Cost, \$160,000
OAKLAND, Alameda Co., Cal. Location Withheld.

Six-story and basement steel frame and reinforced concrete apartments.

Owner—Name Withheld.

Architect—Albert H. Larsen, 447 Sutter St., San Francisco.

Plans Being Prepared.

APARTMENTS Cost, \$160,000
SAN FRANCISCO, Location Withheld.

Six-story and basement steel frame and reinforced concrete apartments.

Owner—Name Withheld.

Architect—Albert H. Larsen, 447 Sutter St., San Francisco.

BONDS

CERES, Stanislaus Co., Calif.—Election will be held May 23 in Ceres School District to vote bonds of \$75,000 to finance erection of a new grammar school, preliminary plans for which are being prepared by Architect W. H. Weeks, 111 Sutter St., San Francisco. Trustees of the district are: F. R. Lander, W. P. Reinhart and J. F. Beam.

HAYWARD, Alameda Co., Cal.—Independent School District votes bonds of \$11,250 to finance erection of a 2-classroom school building.

MONTEREY, Monterey Co., Cal.—Election will be held June 9 in Monterey Union High School District to vote bonds of \$225,000 to finance improvements and additions at high school grounds. Tentative plans have been prepared by Architects Swartz and Ryland, Spazier Bldg., Monterey.

VISALIA, Tulare Co., Cal.—Election will be held June 6 in the Visalia School District to vote bonds of \$210,000 to finance erection of additions to present high school housing additional classrooms, administration quarters, auditorium and a central heating plant. DeWitt Montgomery is city superintendent of schools.

MADERA, Madera Co., Cal.—Petitions have been presented to the county supervisors urging a bond election for \$100,000 to finance erection of modern fireproof county hospital to replace the present plant. The election will probably be held in November.

CHURCHES

Plans Being Prepared.

CHURCH Cost, \$20,000
TRACY, San Joaquin Co., Cal. SV Parker and Eaton Aves.

One-story frame and stucco church building (6-8 rooms, chapel and assembly hall) (Mission type).

Owner—Methodist Church of Tracy Architect—W. H. Weeks, Hunter-Dunlop Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

George Good (Good Lumber Co.), chairman of building committee.

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**ELECTRIC HAMMERS
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Labor Saving Portable Electric Tools.

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Contract Awarded.
CHURCH Cost, \$—
 FALLON, Nev. Esmeralda and Stillwater Ave.
 Frame & stucco English type church; auditorium seating 250; classrooms, fireproof shingle roofing.
 Owner—Methodist Church Congregation.

Plans by Bureau of Architects, Methodist Church Board.
 Contractor—A. A. Mustard, Fallon.

Sub-Contracts Awarded.
CHURCH Cont. Price, \$16,577
 WATSONVILLE, Santa Cruz Co., Cal. Two-story reinforced concrete church with tile roof.

Owner—Japanese Presbyterian Church Architect—Rollin S. Tuttle, Box C, Los Gatos.

Contractor—T. H. Rosewall, Watsonville.

Ornamental and Miscellaneous Iron and Steel Sash—San Jose Iron Works, 535 W-San Carlos St., San Jose.

Will contain church auditorium, social hall and Sunday school.

Plans Being Completed.
CHURCH Cost, \$40,000
 OAKLAND, Alameda Co., Calif. St. James Road.

One-story frame and stucco church (Spanish type).
 Owner—Corpus Christi Parish.

Architect—W. E. Schirmer, 700 21st St., Oakland.

Bids will be taken in one week.

Preliminary Plans Prepared.
CHAPEL 40,000 appropriated
 SAN FRANCISCO. Presidio Reservation.

One-story reinforced concrete or hollow tile chapel, 70x47-ft., seating 200; Mission style, tile roof.

Owner—U. S. Government.
 Architect—Constructing Quartermaster, Fort Mason.

Plans Being Completed.
ALTERATIONS Cost, \$16,000
 SANTA ROSA, Sonoma Co., Cal. Alterations and additions to present church building (erect social hall and general alterations).

Owner—First Methodist Episcopal Church.
 Architect—Rollin S. Tuttle, Box C, Los Gatos.

Mead Clark, E. A. Eymann and W. J. Meeker are on the building committee. Bids will be taken in one week.

Sketches Prepared.
SCHOOL Cost, \$3000
 RICHMOND, Contra Costa Co., Calif. 31st and Roosevelt.

Frame and stucco Sunday school and social hall.
 Owner—Presbyterian Church.
 Plans by Mr. Sanford.
 Contractor—E. M. Sanford, East Richmond, Richmond.

FACTORIES AND WAREHOUSES

Plans Being Completed.
WAREHOUSE Cost, \$30,000
 SACRAMENTO, Sacramento Co., Cal. Tenth and R Streets.

Two-story and basement concrete and brick paint warehouse
 Owner—W. P. Fuller & Co., 301 Mission St., San Francisco.

Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento.
 Bids will be taken in one week.

Contract Awarded.
ADDITION Cost, \$—
 SAN FRANCISCO. Beale St. S Mission St.

Six-story reinforced concrete addition to warehouse.

Owner—Walton N. Moore, Fremont & Mission Sts.
 Architect—Powers & Ahndsen, 605 Market Street.
 Contractor—Cahill Bros., 206 Sansome Street.

Contract Awarded. Cost, \$17,000
ALTERATIONS
 SAN JOSE, Santa Clara Co., Cal. 4th St. at Empire.
 Alterations to brick industrial bldg.
 Owner—Hunt Bros., 361 N 4th St., San Jose.
 Architect—None.
 Contractor—P. J. Walker Co., Sharon Bldg., San Francisco.

Bids Opened.
MEZZANINE FLOOR Cost, \$—
 OAKLAND, Alameda Co., Cal. Municipal Airport Hangar No. 4, Section B.

Mezzanine floor and partitions (50x120-ft.; wood construction).
 Owner—City of Oakland Port Commission, G. B. Hegardt, secretary, 424 Oakland Bank Bldg., Oakland.
 Architect—Eng. Dept. of Owners.

Following is a complete list of bids:
 Sullivan & Sullivan, 3021 Maxwell Ave., Oakland.....\$4,450
 Emil Pearson, Berkeley.....4,468
 Strehlow & Labollie, Oakland.....4,694
 Geo. Swanstrom, Oakland.....4,986
 J. B. Bishop, Oakland.....5,345
 A. F. Anderson, Oakland.....5,374
 Bids held under advisement.

OAKLAND, Cal.—J. G. Wilson Corporation, 605 Market St., San Francisco, at \$8,175 submitted lowest bid to City of Oakland Port Commission for 24 steel rolling doors for the transit shed on 9th Ave. Pier.

Following is a complete list of bids:
 J. G. Wilson Corp., S. F.....\$8,175
 Kennerson Mfg. Co., S. F.....8,554
 Gunn, Carle & Co., S. F.....8,977
 Cornell Iron Works, Inc., S. F.....9,280
 Badt-Falk & Co., S. F.....9,292
 Bids held under advisement.

Plans Being Figured.
CREAMERY Cost, \$14,000
 SAN MATEO, San Mateo Co., Calif. Bayshore Highway.
 Owner—Jersey Farm Creamery.
 Plans by Enri Cavasso, 225 3rd Ave., San Mateo.

Bids Opened.
TRANSIT SHED Cost, \$—
 OAKLAND, Alameda Co., Cal. Ninth Avenue Pier.
 One-story reinforced concrete superstructure for transit shed (504x180 ft.; two 70-ft. trusses and one 40 ft. truss).

Owner—City of Oakland Port Commission, 424 Oakland Bank Bldg., Oakland.

Architect—Eng. Dept. of Owner.
 Following is a complete list of bids:
 Spivock and Spivock, Hobart Bldg., San Francisco.....\$69,750
 F. J. Westlund, Oakland.....71,360
 Schuler & McDonald, Oakland.....72,747
 MacDonald & Kahn, S. F.....73,800
 Villadsen Bros., S. F.....73,900
 R. W. Littlefield, Oakland.....78,200
 David Nordstrom, Oakland.....78,500
 J. M. Bartlett, Oakland.....79,200
 M. H. Sjoberg & Son, S. F.....86,377
 Bids held under advisement.

Contract Awarded.
CLEANING PLANT Cost, \$20,000
 STOCKTON, San Joaquin Co., Calif. Rear 338 N California St.
 One-story brick and concrete dyeing and cleaning plant in rear of present building.
 Owner—Hess-De Lux Co., 338 N California St., Stockton.
 Architect—Peter Sala, 2130 N Commerce St., Stockton.
 Contractor—E. H. Riley, Wolfe Hotel Bldg., Stockton.

FRESNO, Fresno Co., Calif.—Sun-Maid Raisin Growers' Assn. plans remodeling of Plant No. 4 to increase capacity. The cost is estimated at \$20,000, including equipment to be installed.

Plans To Be Prepared. Cost, \$—
FACTORY
 STOCKTON, San Joaquin Co., Calif. North Wilson Way.

Factory.
 Owner—Le Tourneau Mfg. Co., Moss St., Stockton.
 Architect Not Yet Selected.
 The Le Tourneau Mfg. Co. manufactures road building equipment.

Plans Being Figured.
WAREHOUSE Cost, \$60,000
 WATSONVILLE, Santa Cruz Co., Cal. Warehouse and general offices.
 Owner—Espendolas, Inc.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Plans Being Figured Bids Close May 14th.
CREAMERY Cost, \$15,000
 SAN JOSE, Santa Clara Co., Cal. W-San Carlos and Locust Sts.
 One-story reinforced concrete creamery.
 Owner—Hester Dairy, San Jose.
 Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Plans Being Prepared.
DISTRIBUTING PLANT \$15,000
 SAN JOSE, Santa Clara Co., Cal. Distributing plant.
 Owner—Gilmore Mid State Oil Co., Los Angeles.
 Architect—Eng. Dept. of Owner.

Sub-Contracts Awarded.
MFG. PLANT Cost, \$125,000
 SOUTH SAN FRANCISCO, San Mateo Co., Calif.

Part two-story and part six-story steel, brick and concrete manufacturing plant.

Owner—Pacific Bone, Coal & Fertilizer Company.
 Engineers—Elison & Elison, Pacific Bldg., San Francisco.
 Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
 Piles—Healy-Tibbitts Const. Co., 64 Pine St., San Francisco.
 Lumber—Loop Lumber Co., Central Basin, San Francisco.
 Structural Steel—Dyer Brothers Iron Works, 17th and Kansas Sts., San Francisco.

Plans Being Prepared.
ADDITIONS Cost, \$250,000
 LOS NIETOS, Los Angeles Co., Cal. Additions to main sewer pipe plant.
 Owner—Pacific Clay Products Co., Chamber of Commerce Bldg., L. A.
 Architect—Eng. Dept. of Owner.

Preliminary Plans Being Prepared.
BAKERY Cost, \$—
 FAIRFIELD, Solano Co., Cal. Texas and Jackson Sts.
 Two-story class A bakery building (60 x80-ft.).
 Owner—John F. Meyer, Fairfield.
 Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento, and 1st National Bank Bldg., Oakland.

Contract Awarded.
MILL BLDGS. Cost, \$—
 TRACY, San Joaquin Co., Cal. One-half mile north of Tracy.
 Alfalfa mill buildings (comprising six buildings in all).
 Owner—Denver Alfalfa Milling and Products Co., Denver, Colo.
 Private Plans.
 Contractor—Geo. J. Ulrich Const. Co., Modesto.

United Commercial Co., of San Francisco has the contract to construct a spur track in connection with the new plant.

county, pipe fittings, etc. Further information obtainable from above.

Final Plans Approved. Cost, \$150,000
WARD BLDGS.
SAN FRANCISCO. Letterman General Hospital.

Three 2-story reinforced concrete ward buildings, 180x30-ft. each (known as Nos. 22, 24, and 5).

Owner—U. S. Government.
Architect—Constructing Quartermaster, Fort Mason.

All structures will have tile roofing, terrazzo, tile and rubber flooring, tray racks, dishwarmers, complete kitchen equipment, steam heating system, considerable plumbing, radio installation for each bed, annunciator and call systems, complete "special" hospital equipment.

Plans Being Figured—Bids Close May 21, 11 A. M.

SKYLIGHTS Cost, \$—
SAN FRANCISCO. Building No. 11, Yerba Buena Island (San Francisco Bay).

Install seven metal skylights, complete with glass and glazing (Specification No. 6083).

Owner—U. S. Government.
Architect—Public Works Office, 12th Naval District, 100 Harrison St., San Francisco.

PHOENIX, Ariz.—Until May 21, 2 P. M., bids will be received by Jno. B. Brown, superintendent, U. S. Indian School, Phoenix, to furnish and deliver 56 single iron bedsteads for hospital use, length 78 inches, 36-inches wide. Further information obtainable from above.

HALLS AND SOCIETY BUILDINGS

Preliminary Plans Being Prepared.
RECREATION BLDG. Cost, \$100,000
STOCKTON, San Joaquin Co., Cal.
Two-story reinforced concrete recreation building (swimming pool, bowling alleys, etc.)

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, Phelan Bldg., San Francisco, President.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Specifications Being Written
ALTERATIONS Cost, \$—
OAKLAND, Alameda Co., Cal. 12th and Clay Streets.

Remodel present club building.
Owner—Athens Club.
Architect—John J. Donovan, Tapscott Bldg., Oakland.

Bids will be taken some time in June.

Work involves changes in the steam heating system and enlargement of steam and hot room facilities.

Contract Awarded.
CLUBHOUSE Cost, price, \$2849
REDWOOD CITY, San Mateo Co., Cal.

On municipal harbor lands.
One-story frame yacht clubhouse.
Owner—City of Redwood City, B. E. Myers, city clerk.

Plans by C. L. Dimmitt, city engineer.
Contractor—Russell & Duncan, Redwood City.

Preliminary Plans Being Prepared.
RECREATION BLDG. Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal.
Two-story reinforced concrete recreation building (swimming pool, bowling alleys, etc.)

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, Phelan Bldg., San Francisco, President.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Preliminary Plans Being Prepared.
RECREATION BLDG. Cost, \$100,000
EUREKA, Humboldt Co., Cal.

Two-story reinforced concrete recreation building

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, President, Phelan Bldg., San Francisco.

Architect—Jos. L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Preliminary Plans Being Prepared.
RECREATION BLDG. Approx \$100,000
MONTEREY, Monterey Co., Cal.

Two-story reinforced concrete recreation building (swimming pool, bowling alleys, etc.)

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, Phelan Bldg., San Francisco, President.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Preliminary Plans Being Prepared.
RECREATION BLDG. Cost, \$175,000
SAN FRANCISCO. Location Withheld.

Two-story reinforced concrete recreation building (swimming pool, bowling alleys, etc.)

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, Phelan Bldg., San Francisco, President.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Preliminary Plans Being Prepared.
RECREATION BLDG. Cost, \$100,000
Two-story reinforced concrete recreation building (swimming pool, bowling alleys, etc.)

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, Phelan Bldg., San Francisco, President.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Plans Being Completed.
MEMORIAL BLDG. Cost, \$15,000
UKIAH, Mendocino Co., Cal.

American Legion Memorial Club Bldg.
Owner—County of Mendocino, H. M. Burke, county clerk, Ukiah.

Architect—Coffman, Schberg & Stafford, Forum Bldg., Sacramento.

Bids will be taken May 13th.

Borings Being Made.
CLUB HOUSE Cost, \$60,000
BELVEDERE, Marin Co., Calif.

One-story frame and stucco club house
Owner—San Francisco Yacht Club.

Architect—H. H. Gutterson, 526 Powell St., San Francisco.

Borings are being made by J. Rogers, 110 Sutter St., San Francisco.

MARYSVILLE, Yuba Co., Calif.—Hallwood Farm Center, meeting in the Cordua School, votes to finance construction of a community auditorium on the school grounds.

Plans Being Completed.
LODGE BLDG. Cost, \$10,000
ESCALON, San Joaquin Co., Cal.

Two-story brick Class C lodge building (banquet hall, kitchen and lodge rooms).

Owner—Masonic Lodge.
Architect—Davis-Pearce Co., Grant and Weber Sts., Stockton.

Plans will be ready for bids in one week.

Plans To Be Prepared.
CLUB BLDG. Cost, \$—
COLUSA, Colusa Co., Cal.
American Legion Club Bldg.

Owner—American Legion Post No. 59, George Littlefield, Commander.
Architect To Be Selected.

Sub-Contracts Awarded.
HALL Cost, \$170,000
CHICO, Butte Co., Cal. State Teachers' College.

Two-story Italian type brick and concrete assembly hall (to seat 1500).
Owner—State of California.

Architect—Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Reinforced Steel—Concrete Engineering Co., 1280 Indiana St., San Francisco.

Installation of Reinforced Steel—Harry L. Weaver, 3090 Miller Way, Sacramento.

Driving Piles—Holdener Constr. Co., 2608 R St., Sacramento.

Structural Steel—Minneapolis Steel & Machinery Co., Sharon Bldg., San Francisco.

Miscellaneous and Ornamental Iron—Palm Iron Works, 15th and S Sts., Sacramento.

Sheet Metal—Superior Metal Products Co., Inc., Market and 44th Sts., Oakland.

Tile and Composition Roofing—R. P. Eckhardt, 1371 34th St., Oakland

Steel Sash—Detroit Steel Products Co., 251 Kearny St., S. F.

Mill Work, Glass and Glazing—Diamond Match Co., Chico.

As previously reported, electrical work awarded to Alta Electric Co., 938 Howard St., S. F., at \$13,994; plumbing—F. W. Snook Co., 596 Clay St., S. F., at \$18,523.

Preparing Preliminary Plans.
CLUB HOUSE, ETC. Cost, \$75,000
INVERNESS, Marin Co., Calif. East end of Bear Valley.

Frame club house, concrete swimming pool, etc.

Owner—Wauhilla Aviation Club, De Witt Markham, manager and director, 426 Russ Bldg., San Francisco.

Architect—Willis Polk Co., 277 Pine St., San Francisco.

The project will be fully developed, with a championship golf course, hard surface tennis courts, hand ball courts, concrete swimming pool, archery range, traps, facilities for equestriennes, children's play grounds, and a landing field, adjacent to the first tee, fully equipped for day and night flying, and suitable for all types of planes.

Completing Plans.
MEMORIAL BLDG. Cost, \$65,000
EMERYVILLE, Alameda Co., Cal.

Salem St., between 43rd and 45th Streets.

Two-story reinforced concrete Veterans' Memorial Building.

Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Plans will be ready for bids about May 10.

Bids Opened.
CLUBHOUSE Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.

On municipal harbor lands.
One-story frame yacht clubhouse.

Owner—City of Redwood City, B. E. Myers, city clerk.

Plans by C. L. Dimmitt, city engineer.
Low Bidder—Russell & Duncan, Redwood City.

Following is a complete list of bids:
Russell & Duncan, Redwood City..... \$2,849
L. E. Pollard, Redwood City..... 3,660
Gus Waller, Redwood City..... 3,950
D. T. Bourquin, Redwood City..... 4,554

Contract to be awarded today.

Sub-Contracts Awarded.
CLUB HOUSE Cost, \$—
MONTEREY, Monterey Co., Cal. Cypress Point Golf Club.

Two-story frame and stucco California type club house.
Owner—Cypress Point Golf Club.

Architect — George W. Smith, Santa Barbara.
 Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Painting—Krudwig & Meyering, Pacific Grove.
Glass and Glazing — W. P. Fuller & Co., 301 Mission St., S. F.
 As previously reported, sheet metal awarded to Vosmer Sheet Metal Works, Monterey; plastering to W. A. Gould, Mt. View; plumbing and heating to Phillips Heating & Plumbing Co., 215 Monterey St., Salinas, at \$7408; concrete aggregate to M. J. Murphy, Carmel.

Completing Plans.
LODGE BLDG. Cost, \$30,000
 NILES, Alameda Co., Calif.
 Two-story brick lodge building.
 Owner—Odd Fellows.
 Architect—George Ellinger, 1723 Webster St., Oakland.
 Bids will be taken May 15th for a general contract.

HOSPITALS

NILES, Alameda Co., Calif.—J. A. Mohr & Son, 433 11th St., San Francisco, at \$14,584 awarded painting and cleaning contract by Masonic Homes of California in connection with construction of 5-story class A administration building being erected at Niles, at the Deeto Homes, from plans prepared by Architect William Mosser, Nevada Bank Bldg., San Francisco. K. E. Parker, 135 South Park, San Francisco, is the general contractor.

OAKLAND, Alameda Co., Cal.—N. H. Spöberg, 632 Call Bldg., San Francisco, desires sub-bids on all portions of the work in connection with the construction of a two-story Class C reinforced concrete addition to the Fairmont Hospital, on which bids are now being received for a general contract, to be opened May 13, 10:30 A. M. Plans prepared by Architect H. H. Meyer, Kohl Bldg., San Francisco.

Mill Work Contract Awarded.
ADDITION Cost, \$650,000
 SAN FRANCISCO. Fell and Baker Streets.
 Addition to present class A hospital.
 Owner—Southern Pacific Railroad Co., 65 Market St.
 Architects—Alfred I. Coffey and Martin J. Rist, Phelan Bldg.
 Contractor—Barrett & Hilp, 918 Harrison Street.

Mill Work—Anderson Bros. Planing Mill, Quint and Custer Sts.
 As previously reported, lumber contract awarded to Rolando Lumber Co., 301 Berry St.; excavation to Piombo Bros., 1269 14th St. Other awards will be made shortly.

Preparing Plans.
HOSPITAL Cost, \$—
 VISALIA, Tulare Co., Cal. Baker St. bet. West Willow and West Mineral King Aves.
 One-story and basement frame hospital.
 Owner—Kaweah Hospital, Inc. (Jos. R. Barbon, vice-president and Visalia manager of the Security First National Bank of Los Angeles, chairman of the finance committee).
 Architect—E. J. Kump Co., Rowell Bldg., Fresno.
 Will have 32-bed capacity, arranged in two four-bed wards, two two-bed wards and twenty private rooms.

Plans Completed.
NURSES' HOME Cost, \$—
 OLIVE VIEW, Los Angeles Co., Cal.
 Olive View Sanitarium.
 One-story and basement hollow con-

crete and tile nurses' home (48x 184 feet).
 Owner—County of Los Angeles.
 Architect—Karl Muck Co.
Sub-Contracts Awarded.
HOSPITAL Cost, \$200,000
 OAKLAND, Alameda Co., Cal. Slope above Olney Road.
 One-story concrete hospital.
 Owner—Mills College, Oakland.
 Architect—W. H. Ratcliff, Jr., Chamber of Commerce Bldg., Oakland.
 Contractor—John Brown, Mills College, Oakland.
Grading—Ariss—Knapp Co., 961 41st St., Oakland.
Mill Work—Sunset Lumber Co., 400 High St., Oakland.
Brick Work—Herschel & Reinecke, 830 E 11th St., Oakland.

Ornamental and Miscellaneous Iron—California Ornamental Iron W'ks.
Sheet Metal—Sheet Metal Service Co., 2254 E 14th St., Oakland.
Glass—East Bay Glass Co., 621 6th St., Oakland.
Steel Sash—Michel and Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.
Tile Flooring—Mediterranean Tile Co., 1735 San Bruno Ave., San Francisco.
Slate Roofing—Slate Roof Co., 4123 Gilbert St., Oakland.
Plumbing—H. I. Kyle, 1635 E 12th St., Oakland.
Heating—George Bell, 1826 E 15th St., Oakland.

Reinforcing Steel—Soule Steel Co., Rialto Bldg., San Francisco.
 The structure will include private rooms and wards, a diet kitchen, isolation wards and quarters for physicians and nurses.
Plans Being Figured—Bids Close June 2, 4 P. M.
HOSPITAL Cost, \$400,000
 PALO ALTO, Santa Clara Co., Cal.
 On State Highway north of Palm Drive.
 Four-story reinforced concrete hospital (100-bed capacity).
 Owner—City of Palo Alto.
 Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.
 Laundry, heating plant, kitchen and store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and third floors will be devoted to accommodation of patients in addition to two-three- and four-room wards and 15-room nursery. Large sun porch will also be located on second floor. Fourth floor will be given over to surgery.

Funds Available—Plans To Be Prepared.
BUILDINGS \$352,000 available
 AGNEWS, Santa Clara Co., Cal. State Hospital grounds.
 First unit of fireproof Spanish type farm colony buildings.
 Owner—State of California.
 Architect—State Department of Public Works, Division of Architecture Sacramento.
 Original plans for the development of the farm colony contemplated construction of three ward buildings having a combined capacity of 360 patients and construction of a combined commissary, kitchen and power house building.

Commissioned To Prepare Plans.
ADDITIONS Cost, \$160,000
 SAN FRANCISCO. Potrero Ave., bet. 20th and 23rd Sts. (San Francisco Hospital).
 Class A additions on roof of four ward buildings (brick walls, tile roof).
 Owner—City & County of San Francisco.
 Architect—Alfred I. Coffey & Martin J. Rist, Associated, Phelan Bldg., San Francisco.

Planned.
HOSPITAL Cost, \$75,000
 (including equipment)
 WILLOWS, Glenn Co., Cal. Delevan. Two-story and basement frame and stucco hospital.
 Owner—J. L. Napton, Willows.
 Architect Not Selected.

Plans To Be Prepared.
ADDITION Cost, \$10,000
 \$7500 for addition, balance for furnishings
 SANTA CRUZ, Santa Cruz Co., Calif.
 West Cliff Drive.
 Reinforced concrete solarium addition to hospital.
 Owner—Hanly Hospital (Miss Jane Hanly), West Cliff Drive, Santa Cruz.
 Architect Not Yet Selected.

Plans Being Figured—Bids Close May 13, 2 P. M.
SURGICAL EQPT. Cost, \$—
 EUREKA, Humboldt Co., Cal.
 Surgical equipment for operating room at new County Hospital.
 Owner—County of Humboldt, Fred M. Kay, County Clerk, Eureka.
 Architect—Newton Ackerman, 102 W 4th St., Eureka.
 Certified check 5% required with bid. Specifications on file in office of county clerk.

Plans Being Figured—Bids Close May 13, 2 P. M.
HOSPITAL FURNITURE Cost, \$—
 EUREKA, Humboldt Co., Cal.
 Furniture for new County Hospital.
 Owner—County of Humboldt, Fred M. Kay, County Clerk, Eureka.
 Architect—Newton Ackerman, 102 West Fourth St., Eureka.
 Certified check 5% required with bid. Specifications and further information obtainable from County Clerk

HOTELS

Contract Awarded.
REMODELING Cost, \$29,000
 MONTEREY, Monterey Co., Cal. Del Monte venue.
 Remodel office building for hotel and construct additional rooms.
 Owner—A. C. Hinkle, Monterey.
 Construction Engineer—W. W. Hastings, Monterey.
 Contractor—S. A. Hooke, Monterey.
 Plans provide for a structure having 46 rooms; 12 bath rooms and 16 showers; a new passenger elevator will be installed; Crane, Standard or equal plumbing fixtures.

Plans To Be Prepared.
HOTEL Cost, \$50,000
 SAN ANDREAS, Calaveras Co., Cal. Hotel.
 Owner—San Andreas Progressive Club (promoters), San Andreas.
 Architect Not Yet Selected.
 The club has already secured \$25,000 of the necessary \$50,000 and will make a campaign among local business interests to secure the remaining \$25,000.

Plans Being Figured.
HOTEL Cost, \$500,000
 EUREKA, Humboldt Co., Cal. NW Fourth and F Sts.
 Ten-story class B reinf. conc. 200-room modern hotel building.
 Owner—Pickwick Co. (Ed. Thompson, 5th and Mission Sts., San Francisco, in charge).
 Architect—O'Brien Bros. and W. D. Feugh, 315 Montgomery St., San Francisco.
 As previously reported, soundings are being made by Mercer-Fraser Co., Eureka.

POWER PLANTS

LOS ANGELES, Cal.—R. G. Meyler Corp., 940 Maple Ave., awarded contract by county supervisors at \$43,300 for two 500-hp. water tube boilers for the General Hospital.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Preliminary Plans Prepared.

CITY HALL Cost, \$50,000
PORTERVILLE, Tulare Co., Cal.
Proposed Civic Center Area.
Combined city hall and firehouse.
Owner—City of Porterville.
Architect—W. D. Coates Jr., Rowell Bldg., Fresno.

Preliminary sketches and estimates of cost have been completed by the architect. A bond election is proposed to finance the project.

SAN JOSE, Santa Clara Co., Cal.—County supervisors contemplate installation of a new elevator in the county courthouse. Henry A. Pfister is county clerk.

Plans Being Figured—Bids Close May 27, 12 Noon.

JAIL Cost, \$—
HILLSBORO, Oregon.
Washington County jail.
Owner—County of Washington.
Architect—Orlo R. W. Hossack, Terminal Sales Bldg., Portland, Ore.
Bids are wanted for a general contract; plumbing; heating and electrical work and for jail equipment. Plans obtainable from the architect on deposit of \$25, returnable

Plans Being Figured—Bids Close June 16, 10 A. M.

OFFICE FURNITURE Cost, \$—
RENO, Nevada.
Office furniture and equipment for Mackay Science Hall.
Owner—University of Nevada.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.

Certified check 5% required with bid. Plans obtainable from architect on deposit of \$10, returnable.

RENO, Nev.—Remington-Rand Co., Reno, at \$586 awarded contract by Washoe County Library Trustees to furnish and install additional equipment in library.

Contract Awarded.

ADDITION Cost, \$184,900
RIVERSIDE, Riverside Co., Cal.
Tenth and Orange Sts.
Reinforced concrete and pressed brick addition to courthouse.

Owner—County of Riverside.
Architect—G. Stanley Wilson, 3646 W. Ninth St., Riverside

Contractor—Cresmer Mfg. Co., P. O. Box 478, Riverside.
Painting—R. E. Swan, South Gate, at \$930.

Plumbing—A. M. Lines, Riverside, at \$12,630.
Heating—Jones Co., Pasadena, at \$19,294.

Plans Being Completed.

HALL OF JUSTICE Cost, \$200,000
PASADENA, Los Angeles Co., Cal.
North Garfield Avenue.

Four-story reinforced concrete Hall of Justice (80x100 ft.)
Owner—City of Pasadena.

Architect—J. J. Ellick and W. W. Warren, 1247 E. Green St., Pasadena.

WOODLAND, Yolo Co., Cal.—Woodland Plumbing & Supply Co., Woodland, at \$2288 awarded contract

by county supervisors to install ventilating system in superior court rooms at county courthouse.

WOODLAND, Yolo Co., Cal.—Bert Duncan, Woodland, at \$558 awarded contract by County Supervisors for painting county detention home.

RESIDENCE

Plans Being Figured.

RESIDENCE Cost, \$—
SAN FRANCISCO. Santa Rita and San Marcos Sts.
Two-story frame and stucco residence (8 rooms).

Owner—Cleveland Wright, Insurance Exchange Bldg., San Francisco.

Architect—Farr & Ward, Foxcroft Bldg., San Francisco.

Sub-Bids Being Taken.

REMODEL Cost, \$—
SAN FRANCISCO. 3212 Jackson St.
Remodel present two-story frame and stucco residence.

Owner—Harry Hilp, premises.

Architect—Willis Polk Co., 277 Pine St.
Contractor—Barrett & Hilp, 915 Harrison St.

Contract Awarded.

RESIDENCE Cost, \$12,000
OAKLAND, Alameda Co., Cal. Arimo Avenue.

Two-story frame and stucco residence.
Owner—J. L. Bowers.

Plans by Mr. Schwind, 6459 Estates Drive, Oakland.

Sub-bids are in and will be awarded shortly.

Construction Indefinitely Postponed.

RESIDENCE Cost, \$25,000
SAN FRANCISCO. Pacific Ave. near Scott Street.

Three-story frame and stucco residence (9 rooms).

Owner—Richard Bransten, 2627 Broderick Street.

Architect—H. H. Guttersen, 526 Powell Street.

Sub-Contracts Awarded.

RESIDENCE Cost, \$25,000
HILLSBOROUGH, San Mateo Co., Cal. Elm, Ralston and Astor Aves.

Two-story frame and stucco residence.
Owner—G. Sheldon Perhan, 510 Dorchester Ave., San Mateo.

Architect—William Toepke, 74 New Montgomery St., San Francisco.

Contractor—G. W. Williams Co., 1404 Broadway, Burlingame.

Lumber—Atlas Lumber Co., San Mateo.

Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.

Plumbing—Morrison & Blair, San Mateo.

Concrete—Gus Adolphson, San Mateo.

Plans Being Figured—Bids Close May 14, 2 P. M.

RESIDENCE Cost, \$10,000
WILLOW GLEN, Santa Clara Co.

One-story and basement frame and stucco residence.

Owner and Builder—A. W. Maderis, 1501 Lincoln St., San Jose.

Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Contract Awarded.

RESIDENCE Cost, \$27,000
PIEDMONT, Alameda Co., Cal.
Estates Drive.

Two-story frame and stucco residence (French style).

Owner—A. C. Jones, % Architect.

Architect—Williams & Westall, 374 17th St., Oakland.

Contractor—Albert Haskell, 255 Ridgeway, Berkeley.

Preparing Preliminary Plans.

ALTERATIONS Cost, \$—
PEBBLE BEACH, Monterey Co., Cal.

Alterations to two-story frame and stucco residence.

Owner—Name Withheld.
Architect—W. E. Milwain, Pacific Bldg., Oakland.

Plans Being Figured.

RESIDENCE Cost, \$7000
SAN JOSE, Santa Clara Co., Cal.
Nagle Street.

One-story and basement frame and stucco residence.

Owner—J. S. Mice, 97 N. Market St., San Jose.

Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Completing Plans.

RESIDENCE Cost, \$10,000
WILLOW GLEN, Santa Clara Co.

One-story and basement frame and stucco residence.

Owner and Builder—A. W. Maderis, 1501 Lincoln St., San Jose.

Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Owner will take sub-bids within one week.

Contract Awarded.

RESIDENCE Cost, \$6,000
SAN LEANDRO, Alameda Co., Calif.
524 Kenilworth.

One and one-half story frame and stucco residence (5 rooms).

Owner—W. S. Manners, 512 Kenilworth San Leandro.

Plans by Mr. Johnson.

Contractor—H. E. Johnson, 644 Woodland, San Leandro.

Sub-Bids Being Taken.

RESIDENCE Cost, \$18,000
HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and stucco residence, 9 rooms, 3 baths.

Owner and Builder—Oscar L. Cavanaugh, 432 Occidental, San Mateo.

Architect—E. Musson Sharp, 525 Market St., San Francisco.

Sub-Bids Being Taken.

RESIDENCE Cost, \$17,000
SAN MATEO, San Mateo Co., Calif.
San Mateo Park.

Two-story and basement frame and stucco residence (9 rooms).

Owner—W. A. Johnston.

Architect—E. Musson Sharp, 525 Market St., San Francisco.

Contractor—Oscar L. Cavanaugh, 432 Occidental Ave., San Mateo.

Preparing Working Drawings.

RESIDENCE Cost, \$25,000
MONTEREY, Monterey Co., Calif.

Two-story and basement frame and stucco residence.

Owner—Arthur Metz.

Architect—W. O. Raiguel, Hotel Del Monte, Monterey.

Plans will be ready for bids in about three weeks.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$12,000
HOLLISTER, San Benito Co., Cal.

Two-story frame and stucco residence.
Owner—Leah Vile.

Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.

Contract Awarded.

RESIDENCE Cost, \$15,000
PALO ALTO, Santa Clara Co., Cal.
No. 2175 Cowper St.

Two-story frame and rustic residence.

Owner—John P. Breeden, 251 Elmbarcadero, Palo Alto.

Plans by J. R. Reichel, 1364 5th Ave. San Francisco.

Contractor—W. F. Klay, Menlo Oak Drive, Menlo Park.

Contract Awarded.

RESIDENCE Cost, \$20,000
NORTH BERKELEY, Alameda Co., Calif.

Two-story frame and stucco English type residence (12 rooms).

Owner—Dr. Donald.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—Walter Sorensen, 2940 Piedmont Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, \$15,000
HEALDSBURG, Sonoma Co., Cal.
Two-story frame and stucco residence (8 rooms).

Owner—George C. Alexander.
Architect—William Herbert, Rosenberg Bldg., Santa Rosa.
Contractor—Witter & Heitz, Healdsburg.

Following is a complete list of bids:
Witter & Heitz, Healdsburg.....\$12,317
E. Ahlstrom, Santa Rosa.....12,800
Johnson Lander & Co., Healdsburg.....13,602

Contract Awarded.
ALTERATIONS Cost, \$8,000
CONCORD, Contra Costa Co., Cal.
Alterations to one-story frame and stucco residence.

Owner—Lewis Marlin.
Architect—William E. Milwain, Pacific Bldg., Oakland.
Contractor—O. K. Smith Construction Co., Martinez.

Bids To Be Taken In One Week.
ALTERATIONS Cost, \$30,000
BERKELEY, Alameda Co., Cal. 2697
Hearst Avenue.

Alterations and additions to 2-story fraternity house.
Owner—Beta Theta Pi, premises.
Architect—W. H. Ratcliff, Jr., Chamber of Commerce Bldg., Berkeley.

Following is a complete list of bids:
(1) add for tile roof:
A. M. McMurray, Los Angeles.....\$5950
(1) \$200.
John Störner, Chino.....\$7360
(1) \$90.

Bakker & Robinson, San Bernardino, \$8270 (1) \$72.
Louis A. Geisler, Huntington Park \$9150: (1) \$561.
C. L. Schmidt, San Bernardino.....\$9635
(1) \$275.

Bids held under advisement.
Bids Opened.
COTTAGE Cost, \$—
PATTON, San Bernardino Co., Cal.
State Hospital grounds.

One-story frame and stucco assistant physician's cottage (shingle roof, 6 rooms).
Owner—State of California
Architect—State Department of Public Works, Division of Architecture, Gen. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Following is a complete list of bids:
(1) add for tile roofing:
A. R. McMurray, Los Angeles.....\$5350
(1) \$180.
R. Royden Hopper, Los Angeles.....\$6700
(1) \$—.

Campbell Constr. Co., Ontario.....\$7040
(1) \$—.
John Störner, Chino.....\$7140
(1) \$90.

T. R. Hyatt, Alhambra.....\$7558
(1) \$58.
L. A. Geisler, Huntington Park.....\$8920
(1) \$356.

Bids held under advisement.
Contract Awarded.
ALTERATIONS Cost, \$5000
SAN FRANCISCO. SW Duboce and Buena Vista Aves.

Alterations to present frame and stucco residence.
Owner—Bonar Russell, Standard Oil Bldg., San Francisco.
Architect—Farr & Ward, Foxcroft Bldg., San Francisco.

Contractor—Matlock and Feasey, 210 Clara St., San Francisco.
Plans To Be Prepared.
RESIDENCE Cost, \$—
OAKLAND, Alameda Co., Cal. Claremont Pines.

Two-story and basement frame and stucco residence.
Owner—James De Fremery, 5809 Broadway, Oakland.
Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.

Owner Taking Bids.
RESIDENCE Cost, \$9000
ALAMEDA, Alameda Co., Cal.
One-story and basement frame and stucco residence (7 rooms).

Owner—George Schroeder, 519 Central Ave., Alameda.
Plans by D. E. Jaekle, Call Bldg., San Francisco.
Sub-Bids Being Taken.
RESIDENCE Cost, \$8500
SAN FRANCISCO Crocker Tract.

One-story and basement frame and stucco residence (5 rooms).
Owner—John Bjorkman, 45 Newton Street.
Plans by D. E. Jaekle, Call Bldg.

Plans Being Figured.
RESIDENCE Cost, \$10,000
SAN RAFAEL, Marin Co., Cal.
One-story and basement frame and stucco residence.

Owner—Name Withheld.
Architect—N. W. Sexton, deYoung Bldg., San Francisco.
Completing Plans—Contract Awarded
RESIDENCE Cost, \$20,000
ATHERTON, San Mateo Co., Cal.
Two-story frame and brick veneer residence.

Owner—Name Withheld.
Plans by L. O. Ebbets, Hobart Bldg., San Francisco.
Contractor—Black & Campbell Hearst Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$11,000
SACRAMENTO, Sacramento Co., Cal. 1034 46th Street.
One-story and basement frame and stucco residence (7 rooms).

Owner—F. A. Reichert, 2211 23rd St., Sacramento.
Architect—None.
Contractor—N. H. Lund, 3300 Cutter St., Sacramento.

Low Bidder.
RESIDENCE Cost, \$20,000
SARATOGA, Santa Clara Co., Cal.
Two-story and basement nine-room frame and stucco Spanish type residence.

Owner—Frank Michael.
Architect—Herman Krause, 243 N 9th St., San Jose.
Low Bidder—H. Bolwin, 1041 Garland, San Jose.

Contract Awarded.
RESIDENCE Cost, \$16,000
SAN FRANCISCO. S Marina Blvd. E Broderick St.

Two-story and basement frame and stucco residence (8 rooms).
Owner—C. Marzo, 604 Montgomery St.
Architect—Fabre and Hildebrand, 110 Sutter St.

Contractor—Ernest Swanson, 2000 Ulloa Street.
Sub-Figures Being Taken.
RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Cal. Lake-shore Highlands.

Two-story frame and stucco residence
Owner—Marcovitch & Bowers.
Plans by Schwind.
Contractor—M. Schwind, 6459 Estates Drive, Oakland.

Completing Plans.
ALTERATIONS Cost, \$30,000
BERKELEY, Alameda Co., Cal. 2697
Hearst Ave.

Alterations and additions to 2-story fraternity house.
Owner—Beta Theta Pi, premises.
Architect—W. H. Ratcliff, Jr., Chamber of Commerce Bldg., Berkeley.

To Be Done By Day's Work.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. 731
Spruce St.

One-story frame and stucco residence (7 rooms).
Owner and Builder—F. H. Felt, 2050 McGee Ave., Berkeley.
Plans by W. H. Borges, care owner.

Contract Awarded.
RESIDENCE Cost, \$13,000
PIEDMONT, Alameda Co., Calif. St. James Wood.

Two-story and basement frame and stucco residence (8 rooms).
Owner—H. C. Falkell, Oakland.
Architect—John H. Thomas, Mercantile Trust Bldg., Berkeley.

Contractor—Louis O. Hansson, 1409 Bonita St., Berkeley.
Sub-Contracts Awarded.
RESIDENCE Cost, \$25,000
SAN FRANCISCO. Marina Blvd.

Two-story frame and stucco residence (9 rooms).
Owner—Mrs. R. L. Gump, 1450 Greenwich Street.
Plans by Ben Davis, % S. & G. Gump Co., 246 Post St.

Contractor—John Widney, 450 Fell St.
Roofing—Alta Roofing Co., 976 Indiana.
Plumbing and Heating—Scott Co., 243 Minna St.

Electric Wiring—Morgan Co.
Sheet Metal—Henry Ernst & Sons, 551 Hayes St.
As previously reported concrete contract awarded to Richmond Concrete Co., 2940 Geary St.; lumber to Loop Lumber Co., Central Basin.

Contract Awarded.
RESIDENCE Cost approx. \$6000
MONTEREY, Monterey Co., Cal.
One-story and basement frame and stucco residence.

Owner—Mr. Marks.
Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas and Brix Bldg., Fresno.
Contractor—Wallace Richmond, Salinas.

Plans Being Prepared.
RESIDENCE Cost, \$20,000
STOCKTON, San Joaquin Co., Cal. Oxford Manor.

Two-story and basement frame and stucco residence (10 rooms).
Owner—Arthur M. Noble, 945 N. El Dorado St., Stockton.
Architect—Ralph Morrell, Union Bldg., Stockton.

Bids will not be taken until Sept.
Plans Being Completed.
RESIDENCE Cost, \$11,000
SAN JOSE, Santa Clara Co., Cal. N-Thirtieth St.

Two-story frame and stucco residence.
Owner—T. J. Callahan, 75 N-13th St., San Jose.
Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Bids will be taken within a few days.

Sub-Contracts Awarded.

ALTERATIONS Cost, \$15,000
SAN FRANCISCO. NE Clay & Spruce
Streets.

Alterations and additions to present
residence (State roof).
Owner—Dr. E. E. Brownell, % Arch-
itect.

Architect—W. C. Perry, 260 Califor-
nit St., San Francisco.

Contractor—Moore & Madsen, 557
Market St., San Francisco.

Incinerator—Kerner Incinerator Co.,
450 Clementina St., San Francisco.

State Roof—Alta Roofing Co., 976 In-
diana St., San Francisco.

Plumbing—William Goss, 4640 Geary
St., San Francisco.

Steel Sash—U. S. Metal Products Co.,
330 10th St., San Francisco.

Lumber—Loop Lumber Co., Central
Basin, San Francisco.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$—
LOS ALTOS, Santa Clara Co., Cal.

Two-story frame and stucco residence
Owner—Mrs. H. A. Kuntz, 2265 Larkin
St., San Francisco.

Architect—Pring & Lesswing, 605
Market St., San Francisco.

SCHOOLS

Bids Opened.

SCHOOL Cost, \$—
SAN FRANCISCO. Onondago, Cayuga

Of Otego and Seneca Aves.
Third unit of Balboa (South Side)

high school, comprising audi-
torium of steel frame and rein-
forced concrete, and 4-story rein-
forced concrete Academic build-
ing with tile roof.

Owner—City and County of San Fran-
isco.

Architect—Bakewell and Weihe, 251
Kearny St.

General Work

Macdonald & Kahn, Financial
Center Bldg. \$459,000

Mahony Brothers 482,000

Mission Concrete Co. 485,986

Anderson & Ringrose 490,760

Jas. L. McLaughlin 493,863

O. Jensen 496,860

H. L. Peterson 505,000

Jacks & Irvine 506,156

Mechanical Work

Scott Co., 243 Minna St. \$35,977

O'Mara & Stewart 36,177

H. Lawson 36,200

J. Nelson 36,300

Knittle Bros. 38,111

F. W. Snook Co. 40,096

Turner Company 40,950

Plumbing

H. Lawson, 465 Tehama St. \$32,000

Scott Company 33,937

Turner Company 34,980

F. W. Snook 35,016

Thos. Skelly 36,000

J. Nelson 36,558

Electrical Work

R. Flatland, 1899 Mission St. \$41,000

Alta Electric Co. 43,490

Superior Elec. Co. 48,800

E. F. Dowd 52,563

Turner Company 53,800

Plans Being Completed.

ADDITION Cost, \$150,000
SAN JOSE, Santa Clara Co., Calif.

Roosevelt High School.

One-story reinforced concrete high
school addition.

Owner—San Jose Board of Education.

Architect—W. H. Weeks, Hunter-Du-
lin Building, San Francisco; 1736

Franklin St., Oakland, and Bank
of Italy Bldg., San Jose.

Plans will be ready for bids in one
week.

SAN FRANCISCO.—Until May 26,

3 P. M., under Proposal No. 589, bids

will be received by Leonard S. Leavy,

city purchasing agent, 270 City Hall,

to furnish and deliver 100 microscopes

for School Department. Further in-
formation obtainable from above.

Contract Awarded.

SCHOOL & HALL Cost, \$8500
PLEASANTON, Alameda Co., Calif.

School and special hall (all wood con-
struction).

Owner—First Presbyterian Church.

Architect—Rollin S. Tuttle, Box C,
Los Gatos.

Contractor—Bruce & Sons, Pleasanton.

Following is a complete list of bids:

Bruce & Sons, Pleasanton. \$ 8,228

Albert Nelson, San Francisco. 8,947

L. C. Little 9,446

The Minton Co., Mt. View. 9,490

F. J. Westlund, Oakland. 9,995

C. A. Gossett, San Leandro. 10,100

Wm. Myer, Cupertino. 10,260

Carl N. Swensen, San Jose. 10,300

Sullivan & Sullivan, Oakland. 10,600

Nels Jensen, Livermore. 11,137

Thomas Cuthbertson, S. F. 11,631

Prospective Bidders.

GYMNASIUM Cost, \$60,000
SAN FRANCISCO, University Mound

One-story steel frame, wood and
plaster gymnasium.

Owner—Playground Commission, City
and County of San Francisco.

Architect—Gardner Dailey, 425 Mason
St., San Francisco.

Following is a complete list of pro-
spective bidders:

Spivock & Spivock, Hobart Bldg.
Frank J. Reilly, 6350 Fulton St.

J. W. Cobby & Son, 260 Tehama St.

J. A. Bryant, 185 Stevenson St.

Clinton-Stephenson Constr. Co.,
Monadnock Bldg.

Strahlow & Labar, Central and
Webster Sts., Alameda

Barrett & Hilp, 918 Harrison St.

J. A. Grant, 666 Mission St.

C. C. Haun, 1060 Church St.

Vogt & Davidson, 135 Stevenson St.

J. Harold Johnson, Hearst Bldg.

Bids are being opened May 21, 3
P. M.

BERKELEY, Alameda Co., Cal.—
Board of Education awards contracts

as follows for science and laboratory
supplies for the coming school year:

University Apparatus Co., Berkeley,
\$131.72; Central Scientific Co., Chi-
cago, \$249.80; Justinian-Caire Co., San
Francisco, \$102.42; Braun-Knecht-Hel-
man Co., San Francisco, \$203.90.

SANTA BARBARA, Cal.—Until May

19, 3 P. M., bids will be received by

Board of Education, to furnish and

install woodworking and metalworking

machinery and equipment for schools.
Specifications obtainable from secre-
tary of the board.

Plans Being Figured — Bids Close
May 16.

LIBRARY Cost, \$90,000
TEMPE, Arizona. Arizona State

Teachers College Campus.

Two-story and basement pressed
brick administration building and
library.

Owner—State of Arizona.

Architect — Lescher Mahoney, Bank
of Arizona Bldg., Phoenix, Ariz.

EUREKA, Humboldt Co., Cal.—
Board of Education, Geo. B. Albee,

city superintendent of schools, will

have plans prepared for a lighting
system for playing night tennis and

other outdoor games on the high
school grounds.

Being Done By Day's Work By Owner

ADDITION Cost, \$2000
ALAMEDA, Alameda Co., Cal. Ala-

meda High School Site.

Addition of one room for sun deck at
high school.

Owner—Alameda Board of Education

Architect—Eng. Dept. of Owner.

Bids Opened.

SCHOOL Cost, \$17,000
SANTA ROSA, Sonoma Co., Cal. So-

Park Section.

One-story frame and stucco school
with tile roof (3 rooms and audi-

torium).

Owner—City of Santa Rosa School
District.

Architect—Wm. Herbert, Rosenberg
Bldg., Santa Rosa.

Following is a complete list of bids:

Jackson Lindsey, Santa Rosa. \$14,819

D. Downy, Sebastopol. 15,310

W. F. Bohn, Santa Rosa. 15,782

Hall & Percinett, Santa Rosa. 15,860

Petaluma Const. Co., Petaluma. 16,198

E. C. Jackson, San Rafael. 16,533

W. E. Hansen, Santa Rosa. 17,500

Contract Awarded.

DORMITORIES Cost, \$800,000
PASADENA, Los Angeles Co., Calif.

California Institute of Technology.

Four reinforced concrete dormitories
and underground garage (capacity

250 students; 300 cars).

Owner—California Institute of Tech-
nology.

Architect—Gordon B. Kaufman, 610
Union Bank Bldg., Los Angeles.

Contractor—Wm. C. Crowell, 495 S
Broadway, Pasadena

ORNAMENTAL WIRE AND IRON WORK

IRON FENCE and Gates

TENNIS COURT ENCLOSURES
WIRE SCREENS AND GUARDS

West Coast Wire & Iron Works

San Francisco, California

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Continuous operation since 1887

Contract Awarded.
KINDERGARTEN Cont. price \$6012
(including heating)
SAN RAFAEL, Marin Co., Calif.
One-story frame and stucco kindergarten.

Owner—San Rafael Board of Education.

Architect—A. W. Sexton, deYoung Bldg., San Francisco.
Contractor—Dominic B. Ferrero, 21 Belle Ave., San Anselmo.

Following is a complete list of bids:
General Work

Dominic Ferrero, San Rafael, \$5,407, (heating) \$605.

E. T. Jackson, San Rafael, \$5,334.
Young & Horstmeier, San Francisco, \$5,392.

Leibert & Trobeck, San Francisco, \$6,210.

Wm. H. Dwyer, San Rafael, \$6,452.
Spivock & Spivock, San Francisco, \$6,620.

Heating

Pacific Gas & Elec. Co., San Francisco, \$571.

Hoffman Spelty. Co., San Francisco, \$602.

North Bay Elec. Shop, San Rafael, \$605.

H. R. Eckland, San Rafael, \$664.
Oil Burner

H. C. Little, San Rafael, \$890.

Low Bidders.

AUDITORIUM, ETC. Cost, \$41,467
CARPINTERIA, Santa Barbara Co., Cal. Carpinteria Union High School.

Frame and stucco auditorium, gymnasium and classrooms (271x220 feet).

Owner—Carpinteria Union High School District.

Architect—T. C. Kistner & Co., Architects Bldg., Los Angeles.

Low Bidder—Nead Constr. Co., 809 Avalon Bldg., Wilmington.

Low bidders on other parts of the work were: E. Rhode, 1746 Columbia St., San Diego, on plumbing, at \$6800; R. R. Jones Electric Co., 1124 S. Fair Oaks, South Pasadena, on electric wiring at \$22,715; Hammond Lumber Co., Los Angeles, on finish hardware at \$3055; Jenkins Bros., 5117 Vincent St., Los Angeles, on painting, at \$2320; Patten & Davies Lumber Co., 521 E. Fifth St., Los Angeles, on tile and composition roofing at \$2755; McClintic-Marshall Co., PacificSouthwest Bank Bldg., Los Angeles, on structural steel at \$2376; Western Venetian Blind Co., 2700 Long Beach Ave., Los Angeles, on Venetian blinds at \$533.40; T. E. Merrill, 2103 1/2 Third Ave., Los Angeles, on plastering at \$12,000; Worley & Co., Pico, on steel lockers at \$345; Harold H. Wilson, Santa Barbara, on cast stone at \$465; Collins & Faxton, 5607 S. Main St., Los Angeles, on sheet metal at \$1860. H. E. Kneer & Sons submitted a bid for all work complete at \$107,025.

Plans Being Figured—Bids Close May 22, 10 A. M.

ADDITION Cost, \$—
HAYWARD, Alameda Co., Cal. Main and Walpert Streets.

Seven-classroom addition to Bret Harte School.

Owner—Hayward School District
Jacob Harder, Clerk.

Architect—E. P. Whitman, 192 Main St., Hayward.

Certified check 10% payable to district required with bid. Plans obtainable from the architect on deposit of \$10, returnable.

Sub-Contract. Awarded
GYMNASIUM Cost, \$25,800
PRINCETON, Colusa Co., Cal.

One-story frame and stucco gymnasium.

Owner—Princeton Joint Union High School District.

Architect—Chester Cole, First National Bank Bldg., Chico.

Contractor—Harry H. Staple, Colusa.

Plumbing—Stowal Plumbing Co., Colusa.

Plans Being Figured—Bids Close May 22, 10 A. M.

ADDITION Cost, \$—
HAYWARD, Alameda Co., Cal. B. St., bet. Myrtle and Filbert Sts.

Four-classroom addition to Luther Burbank School.

Owner—Hayward School District,
Jacob Harder, Clerk.

Architect—E. P. Whitman, 192 Main St., Hayward.

Certified check 10% payable to district required with bid. Plans obtainable from the architect on deposit of \$10, returnable.

Bonds Voted.
SCHOOL Cost, \$35,000
UPPER LAKE, Lake Co., Cal.

One-story reinforced concrete high school.

Owner—Upper Lake Un. High School District.

Architect—William Herbert, Rosenberg Bldg., Santa Rosa.

Plans will be ready for bids in three weeks.

Plans Being Prepared.
STADIUM Cost, \$50,000
SANTA CLARA, Santa Clara Co., Cal.

University Campus.

Athletic stadium (to seat approx. 25,000).

Owner—University of Santa Clara, Santa Clara.

Architect—Eng. Dept. of University.

Contractor—H. C. Miller, Stevens Creek, Santa Clara.

Construction plans call for a mound type stadium to include a gridiron, track oval and baseball diamond. The field will be bounded by Campbell Ave. and Bellamy St. in Santa Clara.

Contract Awarded.
SCHOOL Cost, \$45,231
BAKERSFIELD, Kern Co., Calif.

Horace Mann School.

Owner—Bakersfield School District.

Architect—Chas. H. Biggar, Bank of Italy Bldg., Bakersfield.

Contractor—P. W. Paynter, Bakersfield.

Complete list of bids received follows, all bidders being of Bakersfield:

P. W. Paynter.....\$45,231
G. A. Graham.....45,248

Wm. Eissler.....45,980
Currie & Duglar.....46,534

W. K. Michael.....47,500
Clark Gramling.....47,891

Paul Opperman.....48,258
Henry Eissler.....49,000

Plans Being Figured—Bids Close May 22, 10 A. M.

ADDITION Cost, \$—
HAYWARD, Alameda Co., Cal. Main and Walpert Streets.

Seven-classroom addition to Bret Harte School.

Owner—Hayward School District
Jacob Harder, Clerk.

Architect—E. P. Whitman, 192 Main St., Hayward.

Certified check 10% payable to district required with bid. Plans obtainable from the architect on deposit of \$10, returnable.

Sub-Contract. Awarded
GYMNASIUM Cost, \$25,800
PRINCETON, Colusa Co., Cal.

One-story frame and stucco gymnasium.

Owner—Princeton Joint Union High School District.

Architect—Chester Cole, First National Bank Bldg., Chico.

Contractor—Harry H. Staple, Colusa.

Plumbing—Stowal Plumbing Co., Colusa.

Electric Work—W. M. Davidson, Colusa.

Mill Work—Friend & Terry, 2nd and S Sts., Sacramento.

Lumber—Grenfell Lumber Co., Colusa

Plans Being Figured—Bids Close May 27, 4 P. M.

SCHOOL Cost, \$45,000
GRIMES, Colusa Co., Cal.

Four-classroom, auditorium & kitchen grammar school.

Owner—Grand Island Union Grammar School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco.

Plans Being Completed.
SCHOOL Cost, \$30,000

(Bonds voted to finance)
SANTA CRUZ, Santa Cruz Co., Cal.

(Gault School).

One-story concrete school.

Owner—Santa Cruz School District.

Architect—A. I. Coffey, Phelan Bldg., San Francisco.

Bids will be taken in about two weeks.

Contract Awarded.
SCHOOLS Cost, \$110,480
LONG BEACH, Los Angeles Co., Cal.

Woodrow Wilson High School Site.

Two two-story-brick schools.

Owner—Long Beach Board of Education.

Architect—W. Horace Austin, Pacific Southwest Bldg., Los Angeles.

Contractor—Easton & Nesser, 4822 W. Jefferson St., Los Angeles.

Plans Being Prepared.
AUDITORIUM Cost, \$175,000
LOS ANGELES, Cal. University High School Site.

Auditorium.

Owner—Los Angeles Board of Education.

Architect—A. S. Nihecker Jr., Los Angeles.

Plans To Be Prepared. Cost, \$—
SCHOOL
ALPAUGH, Tulare Co., Cal.

New school (to replace structure destroyed by fire).

Owner—Alpaugh School District.

Architect Not Yet Selected.
Fire loss estimated at \$35,000.

Plans Being Figured—Bids Close May 19

SCHOOL Cost, \$94,500
ALHAMBRA, Los Angeles Co., Cal.

South Marguerite Street.

Brick and concrete grammar school.

Owner—Alhambra Board of Education.

Architect—John Walker Smart, 39 E. Main St., Alhambra.

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Contract Awarded.
SCHOOL BLDGS. Cost, \$591,703
HONOLULU, T. H.
 Reinforced concrete school buildings.
 Owner—Kanehameha School.
 Architect—C. W. Dickey, 405 S. M.
 Damon Bldg., Honolulu, T. H.
 Contractor—Hawaiian Contracting Co.,
 Ltd., Honolulu, T. H.

There will be seven buildings in the group, including a large two-story dining hall building, girls' gymnasium, 3 dormitories, two and three stories in height; a two-story and basement library building and a girls' practice cottage. Roofs will be of structural steel construction covered with planking and supporting the tile roofing. There will be a certain amount of the following work: Ornamental iron and bronze, steel windows; tile work; freight elevator; cork tile and linoleum floor coverings.

All buildings will be of reinforced concrete construction with walls of Hawaiian lava stone, over which cement stucco will be applied with a cement grout. The roofs are to be of terra cotta tile in various shades of green and brown. The partitions are to be of cement block construction; floors of cement or linoleum with a certain amount of tile in the dining hall building; interior finish of Oregon pine.

Sub-Contracts Awarded.
SCHOOL Cost, \$65,000
BURLINGAME, San Mateo Co., Cal.
 Concrete grammar school.
 Owner—Burlingame Elementary School District.

Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco.
 Contractor—J. Harold Johnson, Hearst Bldg., San Francisco, at \$58,773.

Reinforcing Steel—Pacific Coast Steel Co., 111 Sutter St., San Francisco.

Miscellaneous Iron—San Jose Iron Works, 535 W San Carlos St., San Jose.

Lumber—J. H. McCallum, 748 Bryant St., San Francisco.

Mill Work—Pacific Manufacturing Co., Monadnock Bldg., San Francisco.

Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

Plumbing—Higgins & Kraus, 730 Tehama St., San Francisco.

Electric Work—Cardinal Electric Co., Palo Alto.

As previously reported heating contract awarded to Morrison & Blair, 413 Villa Terra, San Mateo, at \$4703.

BERKELEY, Alameda Co., Calif.—Until May 19, 8 P. M., bids will be received by Clara P. Andrews, secretary, Board of Education, to furnish lumber for Vocational Training Departments, during school year 1930-31. Specifications and further information obtainable from secretary.

Plans Being Figured—Bids Close May 17.

SCHOOL Cost, \$—
CARPINTERIA, Santa Barbara Co., Cal.
 Carpenteria Union High School.

Electrical work for one-story classroom, auditorium and gymnasium.
 Owner—Carpenteria Union High School District.
 Architect—T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles.

Sub-Contracts Awarded.

SCHOOL Cost, \$100,000
OAKLAND, Alameda Co., Calif.
 Pleasant and Champion Sts.

Three-story brick and steel parochial school.
 Owner—St. Jarlath Parish.

Architect—Geo. McCrea, Hearst Bldg., San Francisco.

Contractor—Moxley & Collins, 666 Mission St., San Francisco.

Excavating—J. Catucci, 1212 18th Ave., Oakland.

Reinforcing Steel—W. S. Wetenhall, 17th & Wisconsin Sts., San Francisco.

Steel Sash and Steel Frames—Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.

Lumber—E. K. Wood Lumber Co., 1 Drumm St., San Francisco.

BANKS, STORES & OFFICES

Low Bidder.

STORES Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal.
 One-story brick stores.

Owner—C. F. Aaron.
 Architect—Dean and Dean, California State Life Bldg., Sacramento.

Lessee—Hart, Shaffner & Marx.

Low Bidder—Wm. C. Keating, Forum Bldg., Sacramento.

Contract Awarded.

ALTERATIONS Cost, \$17,000
SAN FRANCISCO, 653 Mission St.
 Alterations to offices.

Owner—Owl Drug Co., 611 Mission St.
 Plans by Mr. Duval.

Contractor—Edwin A. Duval, Dalziel Bldg., Oakland.

Plans Being Completed.
DEPARTMENT STORE

Cost, approx. \$500,000
SAN JOSE, Santa Clara Co., Cal.
 1st and San Carlos Sts.

Three-story class C reinforced concrete department store.

Owner—Hale Bros., Fifth and Market St., San Francisco.

Architect—Binder & Curtis, 35 W San Carlos St., San Jose, and Swanson & Lane, Chicago, Ill.

Bids will be taken May 10th.

Plans Being Figured.

OFFICES Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
 San Fernando St.

Three-story modern office and store building (type of construction not decided).

Owner—San Jose Hardware Co., Arthur and Warren Holmes, Pros.

Architect—Binder & Curtis, 35 W San Carlos St., San Jose.

Sub-Contracts Awarded.

STORE & LOFTS Cost, \$75,000
SACRAMENTO, Sacramento Co., Cal.
 SW Seventh and K Sts.

Two-story and basement brick store and left building (60x160-ft.).

Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.

Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.

Contractor—Industrial Const. Co., 815 Bryant St., San Francisco.

Lessee—J. C. Penny Co. (1st floor).
 Lessee—Foreman & Clark (2nd floor).

Mill Work—Empire Planing Mill, 750 Bryant St., San Francisco.

Sheet Metal, Plumbing, Heating and Electrical Work—Latourrette-Fical Co., Sacramento.

Roofing—Bush Roofing Co.
Mill Ceiling—Wm. Kessell, 584 36th Ave., San Francisco.

As previously reported, masonry awarded to W. J. Clifford, 2315 S St., Sacramento; tile to Fischer Tile Co., 1219 J St., Sacramento; structural steel and miscellaneous iron to Palm Iron Works, 15th and S Sts., Sacramento.

SALINAS, Monterey Co., Calif.—Blue Bell Coffee Shops, E. A. Tallen, president and general manager, Main St., Salinas, organized to establish a chain of coffee shops from Santa Barbara to San Jose. Three will be built this year. Plans are being prepared by Butner & Stranahan, Fresno, and Salinas.

Sub-Contracts Awarded.

BANK Cost, \$50,000
SAN FRANCISCO, Market Street nr. Third St.

One-story and mezzanine floor steel frame and concrete bank.

Owner—Alexander Boyd Est., Spreckles Bldg.

Architect—Hyman & Appleton, 65 Post Street.

Lessee—Morris Plan Co. of San Francisco, 354 Market St.

Contractor—Barrett & Hilp, 918 Harrison Street.

Interior Bank Fixtures—Fink and Schindler, 228 13th St.

Heating—Scott Co., 243 Minna St.
Plumbing—Gilley-Schmid Co., 198 Otis Street.

Electric Work—Frank Klimm, 456 Ellis Street.

Marble—Vermont Marble Company, 244 Brannan St.

Acoustics—Wayland Co., Ltd.
Wrecking—S. T. Nutting, 669 Howard Street.

Lumber—Christensen Lumber Co., 5th and Hooper Sts.

Glass—Tyre Bros., 666 Townsend St.
Painting—D. Zelinsky, 165 Grove St.

Plans Being Revised.
STORE Cost, \$150,000
OAKLAND, Alameda Co., Cal.
 20th St. and Broadway.

Three-story class A store.
 Owner—J. Magnin & Co., Grant Ave. and Geary St., San Francisco.

Architect—Weeks and Day, Financial Center Bldg., San Francisco.

Plans will be refigured shortly, by the contractors who submitted bids under the previous figuring.

Sub-Contracts Awarded.

STORE & LOFTS Cost, \$60,000
SACRAMENTO, Sacramento Co., Cal.
 K St. and Seventh St.

Two-story and basement brick store and left building.

Owner—Louis R. Lurie, 315 Montgomery St., San Francisco.

Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.

Contractor—Industrial Const. Co., 815 Bryant St., San Francisco.

Lessee—Clark Dollar Store.

Mill Work—Empire Planing Mill, 750 Bryant St., San Francisco.

Sheet Metal, Plumbing, Heating and Electrical Work—Latourrette-Fical Co., Sacramento.

Roofing—Bush Roofing Co.
Mill Ceiling—Wm. Kessell, 584 36th Ave., San Francisco.

As previously reported, masonry awarded to W. J. Clifford, 2315 S St., Sacramento; tile to Fischer Tile Co., 1219 J St., Sacramento; structural steel and miscellaneous iron to Palm Iron Works, 15th and S Sts., Sacramento.

Contract Awarded.

EXCHANGE Cost, \$175,000
LOS ANGELES, Cal.
 147 N Daly St.

Two- and three-story class A reinforced concrete telephone exchange (102x136-ft.).

Owner—Southern Calif. Telephone Co.

Architect—Eng. Dept. of Owner.

Contractor—Wurster Const. Co., Architects' Bldg., Los Angeles.

Structural Steel—McClintic-Marshall Company.

Planned.
BUILDING Cost, \$—
LOS ANGELES, Cal.
 432-34 S Hope Street.

Two- or three-story class A steel frame service bldg. (56x150-ft.).

Owner—Southern California Edison Company.

Architect—Allison & Allison, California Reserve Bldg., Los Angeles.

Contractor—P. J. Walker Co., W. M. Garland Bldg., Los Angeles.

Bids Being Taken.
STORE & OFFICES Cost, \$150,000
LOS ANGELES, Cal. Se Wilshire
 Blvd. and Kingsley Drive.
 Two-story reinforced concrete store
 and offices (80x135 ft.)
 Owner—S. Malsman, Jewelers Ex-
 change Bldg., Los Angeles.
 Architect—S. Charles Lee, 532 Petro-
 leum Securities Bldg., Los Angeles

Additional Sub-Contracts Awarded.
BANK Cost, \$50,000
SAN FRANCISCO. Market St. near
 Third St.
 One-story and mezzanine floor steel
 frame and concrete bank.
 Owner—Alexander Boyd Est., Spreck-
 les Bldg.
 Architect—Hyman & Appleton, 68 Post
 Street.
 Lessee—Morris Plan Co. of San Fran-
 cisco, 554 Market St.
 Contractor—Barrett & Hill, 918 Har-
 rison Street.
Terra Cotta—N. Clark & Son, 116 Na-
 tional St.
Ornamental Iron—Zouri Co., 116 Na-
 tional Street.
 Other awards reported May 3.

Plans Being Prepared.
ALTERATIONS Cost, \$3000
STOCKTON. San Joaquin Co., Cal.
 No. 25 San Joaquin Street.
 Alterations to present one-story brick
 building (offices, etc.)
 Owner—Dr. J. M. Carr, Premises.
 Architect—Ralph Morrell, Union
 Bldg., Stockton.

Sub-Bids Being Taken.
STORES Cost, \$—
MONTREY, Monterey Co., Cal. Main
 St. (106x60-ft.)
 One-story reinforced concrete (6ix)
 stores.
 Owner—Spazier Development Com-
 pany, Spazier Bldg., Monterey.
 Architect—Swartz and Ryland, Rowell
 Bldg., Fresno.
 Contractor—M. Spazier, Spazier Bldg.,
 Monterey.

Bids In—Under Advisement.
BALLROOM Cost, \$100,000
OAKLAND, Alameda Co., Cal. Grand
 Ave. and Webster St.
 Four-story steel frame and concrete
 ballroom.
 Owner—Geo. Ebe, 3319 Angelo, Oak-
 land.
 Architect—Ray F. Keefe, 1723 Web-
 ster St., Oakland.
 Lessee—Sweet's Ballroom.
 Contractor will be announced short-
 ly.

Sub-Bids Being Taken.
OFFICES Cost, \$45,000
SAN MATEO, San Mateo Co., Calif.
 San Mateo Drive off Third Ave.
 Two and one-half-story class C con-
 crete and wood office and studio
 building (bungalow on roof, etc.)
 Owner and Builder—Sierra Const. Co.,
 235 3rd Ave., San Mateo.
 Plans by Enri Cavasso, 235 3rd Ave.,
 San Mateo.
 Construction will be started shortly.

Taking Reinforcing Steel Bids—To Be
 Opened May 8th.

BANK Cost, \$250,000
KLAMATH FALLS, Ore. Sixth and
 Main Sts.

Two-story and basement class A bank
 and (18) offices.

Owner—First National Bank.
 Architect—H. H. Wlmer & Co., 539
 Market St., San Francisco.

Structural steel bids have been open-
 ed and forwarded to Klamath Falls
 for award. As previously reported, ter-
 racotta, brick and masonry bids are
 to be opened May 7th.

Plans Being Figured.
EXCHANGE Cost, \$200,000
LOS ANGELES, Cal. No. 1439 Gower
 Street.
 Five-story and basement reinforced
 concrete Class A telephone ex-
 change (31x37 ft.)
 Owner and Builder—Southern Cali-
 fornia Telephone Co., 740 S. Olive
 St., Los Angeles
 Architect—None.

WATERFORD, Stanislaus Co., Cal.
 —Waterford Mercantile Corporation
 is wrecking building at corner of
 Bentley and T Sts. where a two-
 story reinforced concrete store build-
 ing will be erected.

Contract Awarded.
STORE Cost, \$—
LIVE OAK, Sutter Co., Cal. Broad-
 way.
 One-story masonry, 20 x 60-ft., drug
 store.
 Owner—F. S. Hill, Live Oak.
 Private Plans.
 Contractor—Henry Robey, Live Oak.

Plans Being Figured—Bids Close May
 16, 2 P. M.
RESTAURANT Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal.
 Fair Grounds.
 One-story brick restaurant (150x40
 ft.) (structural steel frame to
 support tile roof).
 Owner—State of California.
 Architect—George B. McDougall,
 Architect, Public Works Bldg.,
 Sacramento.

Preliminary Plans Being Prepared.
STORES Cost, \$16,000
SAN FRANCISCO, West Portal Ave.
 and Vicente Street.
 Two-story and basement frame and
 stucco stores (several stores, ga-
 rage, private reading room and
 library).
 Owner—C. A. Chaquette, 155 Mont-
 gomery St., San Francisco.
 Architect—S. Heiman, 605 Market St.,
 San Francisco.

Contract Awarded.
STORE Cost, \$8000
SAN FRANCISCO, 3242 Scott St.
 Two-story frame store.
 Owner—S. Manzani, 3242 Scott St.
 Architect—None.
 Contractor—P. Miller & Sons, 384 San
 Miguel.

Plans Being Figured—Bids Close May
 12th.
REMODEL Cost, \$7500
SAN FRANCISCO, 250 Sacramento.
 Remodel present building (recently
 partially destroyed by fire).
 Owner—G. B. Kuyler.
 Architect—O'Brien Bros. and W. D.
 Feugh, 315 Montgomery St.

Plans Being Prepared.
OFFICES Cost, \$10,000
FRESNO, Fresno Co., Cal. Kern and
 N Streets.
 One-story brick offices and warehouse
 (site 50 by 150-ft.)
 Owner—Standard Brands of Califor-
 nia (Fleischmann Yeast distribu-
 tors), Fresno.
 Architect—Charles E. Butner, Cory
 Bldg., Fresno.

THEATRES

Plans Being Prepared.
THEATRE Cost, \$500,000
ALAMEDA, Alameda Co., Cal. N Cen-
 tral Ave. W Park St.
 Structural steel frame and reinforced
 concrete theatre (to seat 3,000).
 Owner—Alameda Amusement Co.
 Architect—Miller & Pfueger, 580 Mar-
 ket St., San Francisco.

Plans To Be Prepared.
THEATRE Cost, \$250,000
PORTERVILLE, Tulare Co., Calif.
 Reinforced concrete theatre & stores.
 Owner—Fox Principal Theatres Corp.,
 (a division of Fox-West Coast
 Theatres), Washington and Ver-
 mont Aves., Los Angeles.
 Architect Not Yet Selected.
 Leo Hunderford is supervisor of con-
 struction for the Fox Principal The-
 atres Corp., maintaining offices at
 Washington and Vermont Aves., Los
 Angeles.

Contem.,ated.
THEATRE Cost, \$250,000
COMPTON, Los Angeles Co., Cal.
 Class A theatre (to seat 2000).
 Owner—Fox West Coast Theatres,
 Inc., Washington St. and Vermont
 Ave., Los Angeles.
 Architect—None Selected.

Preliminary Plans Being Prepared.
THEATRE Cost, \$200,000
WOODLAND, Yolo Co., Cal.
 Class A theatre (to seat 1200).
 Owner—National Theatres Syndicate,
 25 Taylor St., San Francisco
 Architect—Bliss & Fairweather, Bal-
 boa Bldg., San Francisco.
 L. R. Crook is President and Gen-
 eral Manager of National Theatres
 Syndicate.

Plans Complete.
ALTERATIONS Cost, \$35,000
HOLLISTER, San Benito Co., Cal.
 Alterations and additions to theatre.
 Owner—Withheld.
 Architect—Clausen and Amandes,
 Hearst Bldg., San Francisco.
 Contractor—Alfred Hooper, 1769 Pleas-
 ant Ave., Oakland.
 Construction will be started within
 a few days.

WHARVES AND DOCKS

Contract Awarded.
REPAIRS Cost, \$—
RICHMOND, Contra Costa Co., Cal.
 Fire damage repairs to Inner Harbor
 Terminal No. 2 (sugar dock).
 Owner—City of Richmond, A. F. Faris
 city clerk.
 Engineer—H. J. Brunner, Sharon
 Bldg., San Francisco.
 Contractor—Pan-Pacific Piling & Con-
 struction Co., Richmond.
 Following is a complete list of bids:
 Pan-Pacific Piling & Const. Co.,
 Richmond.....\$2,400
 P. M. Sanford, Richmond.....3,455
 Healy-Tibbitts Const. Co., S. F.....3,249

MISCELLANEOUS CONSTRUCTION

SANGER, Fresno Co., Cal.—City de-
 feats proposal to issue bonds of \$25-
 000 to finance purchase of lands and
 improvements for a municipal air-
 port; 324 in favor and 245 against.

Taking Bids.
CAMERA BLDG. Cost, \$—
LOS ANGELES, Cal. No. 750 N.
 Gower Street
 Three-story reinforced concrete Class
 A camera building.
 Owner—RKO Studios, Premises.
 Architect—Eng. Dept. of Owner.

Plans Being Prepared.
STOCK BLDGS. Cost, \$1,000,000
RUENA PARK, Orange Co., Cal.
 200 steel frame and corrugated iron
 stock buildings (95x35 ft. each).
 Owner—Diamond Walnut Growers.
 Engineer—Harry K. Boone, 3034
 Crescent Heights Blvd., Palms
 Station, Los Angeles.

Sub-Contracts Awarded.

BATH HOUSE Cost, \$15,453
SACRAMENTO, Sacramento Co., Cal.
 Robbins Farm Center, Sutter Basin.

One-story frame bath house (105 by 45 feet).

Owner—Robbins Farm Center.

Architect—Dean and Dean, California State Life Bldg., Sacramento.

Contractor—M. R. Petersen, 4530 Parker Ave., Sacramento.

Plumbing—Woodland Plumbing Supply Co., Woodland.

Electric Wiring—Spelbring Elec. Co., 1906 N St., Sacramento.

Reinforcing Steel—George C. Smith & Co., 1309 J St., Sacramento.

Ornamental Iron—Alling Iron Works, 2415 15th St., Sacramento.

Roofing—San Joaquin Lbr. Co., Stockton.

Sheet Metal—Woodland Plumbing Supply Co., Woodland.

Bids Opened.

STATION Cost, \$—
FORT YUMA, Cal.

One-story masonry border station (to contain waiting room, rest rooms and covered platform; wood and steel roof construction and tile roof).

Owner—State of California.

Architect—State Department of Public Works, Division of Architecture, Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Following is a complete list of bids.
Holland Constr. Co., Inc., L. A. \$19,371
H. Mayson, Long Beach 21,000
 Bids held under advisement.

Sub-Contracts Awarded.

PAVILION Cost, \$12,000
MANTECA, San Joaquin Co., Cal.
 One- and two-story brick dance pavilion.

Owner—S. D. E. S. M. Society (Portuguese Society).

Architect—Jos. Losekann, 931 N El Dorado St., Stockton.

Contractor—T. E. Williamson, 1859 W Park Ave., Stockton.

Brick—E. L. Morrison, 1605 Argonne St., Stockton.

Concrete—C. A. Bartman, 336 E Blain Ave., Stockton.

Lumber—San Jose Lumber Co., 26th and E Santa Clara Sts., San Jose.

Plumbing—Arthur D. Ray, 735 E Lafayette, Stockton.

Plans Being Prepared.

BUILDING Cost, \$125,000
WATSONVILLE, Santa Cruz Co., Cal.
 E Lake Avenue.

Two-story 70x110-ft. Mission type recreational building, bowling alley, etc.

Owner—J. H. Jepsen, 502A Main St., Watsonville.

Lessee—Interstate Recreation Corp., Phelan Bldg., San Francisco.

Architect—Jos. L. Stewart, Federal Reserve Bank Bldg., S. F.

The structure will house quarters for billiards, bowling, soda and lunch counters and other features. Equipment will be furnished and installed by the Brunswick-Balke-Collender Co. of San Francisco.

ALAMEDA, Alameda Co., Cal.—
San Leandro Rock Co., San Leandro, submitted low bid to city council to furnish and deliver crushed rock and screenings. Bids were:

San Leandro Rock Co. (1) 1500 cu. yds. crushed rock, at bunkers, \$1.25 per ton, delivered, 51.75 per ton; (b) 1000 cu. yds. screenings, \$1.25 ton, bunkers, \$1.75 ton delivered; (c) 600 cu. yds. bird's eye screenings, \$1.40 per ton bunkers, \$1.90 ton delivered.

Pacific Coast Aggregates, Inc., (a) \$1.68 and \$1.97; (b) \$1.90 and \$2.14; (c) \$2.75 and \$2.85.

Bids taken under advisement.

Plans Being Figured—Bids Close May

14, 2 P. M.
SAN FRANCISCO. The Embarcadero, Painting portions of Ferry Bldg. and adjoining structures.

Owner—State of California.

Architect—F. G. White, chief engineer State Harbor Commission, Ferry Bldg., San Francisco.

Certified check 5% payable to Mark H. Gates, secretary, State Harbor Commission, required with bid. Specifications obtainable from secretary on deposit of \$10, returnable.

Contract Awarded.

PAVILION Cost, \$12,000
MANTECA, San Joaquin Co., Cal.

One- and two-story brick dance pavilion.

Owner—S. D. E. S. M. Society (Portuguese Society).

Architect—Jos. Losekann, 931 N El Dorado St., Stockton.

Contractor—T. E. Williamson, 1859 W Park Ave., Stockton.

Plans Being Figured—To Be Opened About May 12.

FOOL Cost, \$20,000
SAN LEANDRO, Alameda Co., Calif.

At Roosevelt Grammar School in Dowling Blvd.

Concrete swimming pool, 60x120-ft.

Donation of Henrietta Farrell, dec'd.

Engineer—Merrill Guitwitz, assistant city engineer, San Leandro.

Construction will be undertaken under the supervision of the San Leandro Board of Education, comprising L. F. Sterner, W. O. Davies, William Lucio and Reed Hellig, in addition to City Manager W. A. Richmond.

BAKERSFIELD, Kern Co., Calif.—
 County supervisors reject bids to construct four tennis courts at Ford City, as being too high. The county has \$4,000 available for the work, while the lowest bid was \$4,995. New bids will be asked from revised plans.

Plans Being Figured—Bids Close May 21, 2:30 P. M. ?

BEACONS, ETC. Cost, \$1000
SAN FRANCISCO.

Installations of beacons and construction of safety zone stations.

Owner—City & County of San Francisco.

Architect—Bureau of Engineering, Department of Public Works, 3rd Floor, City Hall.

Construction involves the installation of three beacons, complete, on existing concrete and stone safety zones and for the construction of one safety zone and installation of one beacon. Plans obtainable from Bureau of Engineering on deposit of \$10, returnable.

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Building, 545-547 Mission Street. Phone KBarry 1252.

20070—Agency, Berlin, Germany. Export representative of very large manufacturing concern desires agent for selling "field, forest, and industry railways."

20072—Representation for California Products, San Francisco, Calif. A German business firm enjoying a very good business reputation and located in the city of Bremen is desirous of representing California products in Germany. This firm is particularly anxious to act as a broker for California cotton. Local commercial reference.

20073—French Walnut, Overhead Line Poles, Railway Sleepers, Strasbourg, France. Manufacturers of

timber of all kinds, chemically treated poles for overhead electric lines, chemically treated paving blocks, and tars and their derivatives are desirous of finding a market locally for their products.

20074—Stoves, Ovens, and Machinery, Naples, Italy. Company is inquiring for the names of manufacturers of oil and electric stoves and ovens for all purposes, and also machinery for selecting and dividing vegetables and fruits, and for making jams, etc.

20075—Railway Machinery, Tientsin, China. Company is interested in purchasing railway machinery and supplies, machine tools, and other industrial machinery.

20076—Representation, Hongkong, China. Party wishes to obtain the representation of any products that are in demand in the Chinese market or would appeal to that market.

20080—Oriental Merchandise, Tulsa, Okla. Proprietor of an interior decoration studio wishes to purchase wholesale Oriental merchandise appropriate to his line of business. Would like to have a catalogue.

20081—Radio Parts, Tokio, Japan. Concern wishes to communicate with wholesale radio parts dealers.

20083—Talc, Kobe, Japan. Exporters of Manchurian talc, ground in Japan, want to communicate with local importers of this commodity.

20085—Pumps, Hartlands, Jamaica. Party is anxious to communicate with firms handling deep-well borehole turbine pumps, either new or second-hand.

20086—Mining Machinery, Juticalpa, Honduras. Party is interested in obtaining a small mining machine, capable of treating 5 tons of ore per day.

20087—General Representation, San Salvador, El Salvador. Party in business as a manufacturers' export distributor desires to obtain the representation of construction materials.

20091—Nursery Products, Saltillo, Mexico. Government organization wishes to communicate with local nurserymen with a view to importing grapevines and peach, apple, apricot and pear trees.

20092—General Representation, New York City. Party who is going to establish permanent headquarters at Buenos Aires and cover the principal cities of South America wishes to represent a group of manufacturers.

20094—Representation in India, San Francisco, Calif. Party who has been connected with a local importing company dealing with India is leaving for India in June and wishes to make arrangements with San Francisco manufacturers to represent them in India, etc.

20095—Manchurian Representation, Berkeley, Calif. Party in business in Berkeley with partner leaving for Manchuria this week desires to contact manufacturers interested in sales representation on a commission basis in Manchuria.

Mr. C. E. Needham, Chandler Products Corp., Chardon Road, Cleveland, Ohio, manufacturers of cap screw and screw products, are interested in securing manufacturers agents in this territory to handle their commodities.

Industrial Research Engineers, Inc., Suite 503-4, 441 Broadway, Milwaukee, Wis., is anxious to enter into contract with an established manufacturer interested in making and distributing a comfort seat for trucks.

Mr. J. H. Brooks, General Delivery, Reno, Nevada, wishes to obtain an agency in Reno for any San Francisco or Eastern concern.

Engineering News Section

BRIDGES

VISALIA, Tulare Co., Cal.—E. M. Noble, Marysville, at \$8844.47 awarded contract by county supervisors to construct reinforced concrete bridge over Tule River (Bridge No 57), involving 558.61 cu. yds. class A concrete including excavation; 1024 lin. ft. concrete piles. Complete list of bids follows:

E. M. Noble.....	\$ 8,844
L. C. Clark, Visalia.....	9,795
G. A. Graham, Dinuba.....	10,858
R. Hodgson & Son, Porterville.....	11,301
Pacific Constr. Co., Oakland.....	11,767
H. C. Whitty, Sanger.....	13,220
M. B. McGowan, S. F.....	20,854

County will furnish rock, sand, cement and steel.

OAKLAND, Alameda Co., Cal.—Healy Tibbitts Construction Co., 84 Pine St., San Francisco, at \$38,725 awarded contract by county for repairs to Bay Farm Island Bridge, involving widening of eastern approach to span and replacement of piling and strengthening other portions of the structure. Following is a complete list of bids:

Healy-Tibbitts Const. Co.....	\$38,725
A. W. Kitchen, San Francisco.....	44,116
M. B. McGowan, San Francisco.....	44,988
Duncanson-Harrelson Co., S. F.....	50,954

HOLLISTER, San Benito Co., Cal.—County supervisors petitioned to construct bridge over Tres Pinos Creek below Tres Pinos on the old New Liria road. Estimates of cost will be prepared by the county surveyor.

MODOC COUNTY, Cal.—Smith Bros., Eureka, at \$13,875 awarded contract by State Highway Commission to construct two timber bridges, one across north fork of Pit River, about 2½ miles NW of Alturas, consisting of seven 19-ft. spans with concrete deck on pile bents and the other across Shields creek channel change, about 4 miles NE of Alturas, consisting of three 19-ft. spans with concrete deck on pile bents. Project involves: Furnish 3000 lin. ft. creosoted Douglas fir piles; drive 93 creosoted Douglas fir piles; 53 M. ft. b. m. creosoted Douglas fir timber, select struc. grade; 7 M. ft. b. m. untreated Douglas fir timber, select struc. grade; 87 cu. yds. class A Port. cem. conc. (pave.); 9500 lbs. reinf. steel; one lot miscellaneous items of work.

MODESTO, Stanislaus Co., Cal.—County Surveyor J. H. Hoskins, completes surveys for bridge over San Joaquin river at Patterson, will be 1312½ ft. long with main span of 200 ft. and will involve construction of approximately 2 miles of road and fill on one side.

MONTEREY COUNTY, Cal.—Until May 28, 2 P. M., bids will be received by State Highway Commission to construct bridge across Salinas river at Bradley, consisting of six 140-ft. steel deck truss spans with concrete deck on concrete piers with pile foundations and eighteen 45-ft. reinf.

forced concrete girder spans on concrete bents with pile foundations.

See call for bids under official proposal section in this issue.

SANTA ROSA, Sonoma Co., Calif.—Walter L. Proctor, Santa Rosa, awarded contract by county to construct 50-ft. timber bridge over Hobson Creek at Hacienda, Fifth Supervisorial District.

(a) 25 cu. yds. concrete; (b) 5,000 lbs. reinf. steel; (c) 47 cu. yds. excavation; (d) 20-3 M.B.M. lumber; (e) 2,000 lbs. struc. steel.

W. L. Proctor, Santa Rosa, (a) \$18; (b) 4½; (c) \$2.00; (d) \$72; (e) 8c.

Geo. French, Jr., Santa Rosa, (a) \$20; (b) 4c; (c) \$3.00; (d) \$98; (e) 10c.

R. Press Smith, Santa Rosa (a) \$20; (b) 5c; (c) \$2.00; (d) \$81; (e) 5c.

L. E. Kingsley, Villa Grande (a) \$25; (b) 3c; (c) \$3.00; (d) \$74.50; (e) 8c.

STOCKTON, San Joaquin Co., Cal.—Carl Nelson, 1421 E Channel St., Stockton, at \$6,340 awarded contract by county to construct pile trestle bridges across the Boulton (McDonald Island) Road and about five miles NW of Holt, over a drainage canal on the Atherton road on King Island about 1½ mile west of King Island Bridge and across drainage canal on Newell road and about ½ mile east of Terminus.

Following is a complete list of bids:

Carl Nelson, Stockton.....	\$6,340
J. E. Fitzsimmons, Lodi.....	6,595
A. Love, Stockton.....	6,856
M. A. Jenkins, Sacramento.....	7,253

LOS ANGELES, Cal.—Board of Public Works will ask bids shortly to construct 60 ft. concrete bridge across Los Angeles river at Olive St. near Dark Canyon; estimated cost \$130,000.

LOS ANGELES, Cal.—Fisher, Ross, McDonald and Kahn, Spring Arcade Building, Los Angeles, at \$1,246,635, awarded contract by Board of Public Works to construct Fourth St. viaduct over the Los Angeles river and the tracks of the Santa Fe and Union Pacific Railways; will be reinforced concrete, consisting of single arch 251 ft. in length over the river and girder and arch approaches, a total length of 2,400 lin. ft. with a 600 ft. ramp to Mateo St.; 71 ft. wide over all with two 5 ft. sidewalks and a 56 ft. rdwy.

SAN BERNARDINO COUNTY, Cal.—J. F. Knapp, 5301 Horton St., Oakland, at \$118,460.50 awarded contract by State Highway Commission to construct a bridge over the Mojave river 3 miles north of Victorville, consisting of one 270-ft. through steel truss span, five 51-ft. concrete girder spans and one 48-ft. concrete girder span on concrete piers and bents, involving: 5900 cu. yds. rdwy. excav.; 50,000 sta. yds. overhaul; 148 lin. ft. 36-in. corrugated metal pipe; 350 lin. ft. laminated timber guard rail; 294 mi. oil detour; 1 existing bridge to be removed; 1400 cu. yds. struc. excav.; 1430 cu. yds. class A, 400 cu. yds. class B and 265 cu. yds. class C Port. cem. conc.; 260,000 lbs. reinf. steel; 750,000 lbs. struc. steel; 12,900 lbs. cast steel; 6220 lbs. bronze expansion plates; 19,200 lbs. cast iron in railing; 62,000 lbs. struc. steel in railing; 870 cu. yds. riprap; 1 lot, miscellaneous items of work. State will furnish corr. metal pipe.

DREDGING, HARBOR WORKS & EXCAVATIONS

LOS ANGELES, Cal.—Until 2 P. M., May 19, bids will be received by county supervisors for Guniting levees on San Gabriel Wash from Centre St. in Artesia to Norwalk-Clearwater Road, involving: 340,000 sq. ft. Gunite clock slab; 215,000 sq. ft. Gunite clock toe mat. E. C. Eaton, 202 N Broadway, is chief engineer Los Angeles county flood control department.

HAWTHORNE, Nev.—See "Government Work and Supplies," this issue. Bids wanted for gate house, fences, gates, bath houses, bunkwater, etc., in connection with Naval Ammunition Depot project.

LOS ANGELES, Cal.—Hauser Construction Co., Securities Bldg., Los Angeles, at \$117,500 submitted low bid to county supervisors to lay railroad track and furnish and place rock rip-rap on levees of Los Angeles river north and south of Long Beach Blvd. involving: (a) 7,600 ft. r.r. work, \$4.00; (b) 42,000 tons rock rip-rap on west levee facing, \$1.80; (c) 23,000 tons rock rip-rap on east levee facing, \$1.70. Standard Dredging Co. only other bidder at (a) \$3.00; (b) \$2.57; (c) \$2.45½.

SACRAMENTO COUNTY, Calif.—Until June 5, 2 P. M., bids will be received by State Department of Public Works, Division of Water Resources, State Office Bldg., Sacramento, to construct bank protection works on the left bank of the Sacramento river, one mile below Iseleton, consisting of approximately 8,000 cu. yds. of sand fill and 21,000 sq. ft. of 4-in. conc. pave. Plans obtainable from above office.

See call for bids under official proposal section in this issue.

MENDOCINO COUNTY, Cal.—Until June 5, 2 P. M., bids will be received by State Department of Public Works, Division of Water Resources, State Office Bldg. Sacramento to construct rock jetty or dyke 170 ft. long and containing approximately 2,000 cu. yds. of quarry rock, at the mouth of the Navarro river, 20 miles south of Fort Bragg. Specifications obtainable from above.

See call for bids under official proposal section in this issue.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—Until May 26, 2 P. M., bids will be received by Anna M. Sorensen, secretary, Turlock Irrigation District, for construction in Improvement District No. 31, involving:

SCHEDULE NO. 1

Sec. No. 1, approx. 6467.6 sq. ft. of 2-in. thick concrete canal lining.

SCHEDULE NO. 2

Approx. 3 concrete structures, a total of 4 cubic yards of concrete. Certified check 5% payable to district required with bid. Plans obtainable from secretary.

COLUSA-GLENN COUNTIES, Cal.—Following bids received May 5 by C. H. Whitmore, district engineer, State Highway Commission, to construct drainage ditch between Hunter's

Creek and one-half mi. north of Glenn-Colusa boundary:
 Lilly, Willard and Blassotti,
 Stockton\$6,421.50
 M. J. Treaster, Sacramento..... 6,666.25
 Freeman & Murch, Willows..... 6,906.50
 J. P. Holland, Inc., S. F. 7,703.75
 J. R. Reeves, Sacramento..... 8,004.50
 Hemstreet & Bell, Marysville..... 8,091.75
 Mathews Const. Co., Sacto..... 8,115.00
 Frederickson & Watson Const.
 Con., Oakland 9,379.50
 Award recommended to low bidder.

CALIFORNIA.—Following permits were granted during the month of April by the State Department of Public Works, Division of Water Rights, Sacramento, to appropriate water:

Permit 3458, App. 5304 (Orange Co.), issued to San Juan Water Co., Los Angeles, for 2,000 ac. ft. per annum from San Juan Creek, for domestic purposes.

Per. 3459, App. 6544 (Mendocino Co.) Robert B. Pinn, Mill Valley, for .025 c.f.s. from unnamed creek tributary to S Eel river, for domestic purposes. Est. cost, \$450.

Per. 3460, App. 6041 (Mariposa Co.), Wm. Winsell, Nipinnawase, for 500 gals. per day from Chowchilla creek, for domestic purposes. Est. cost \$1200.

Per. 3461, App. 6139 (Mariposa Co.), Chris W and Ebba W. Jeppeson, Romona, for .0031 c.f.s. from Chowchilla creek, for domestic purposes. Est. cost \$1200.

Per. 3462, App. 6563 (Sierra Co.), United States Tahoe National Forest, Nevada City, for .04 cu. ft. per second from unnamed spring, for domestic and recreational purposes. Est. cost \$100.

Per. 3463, App. 6324 (Lassen Co.), Lester F. Totten, Biber, for 2 acre feet per annum from unnamed stream, for stock watering. Est. cost \$350.

Per. 3464, App. 6532 (Inyo Co.) H. M. White, Independence, for .002 c.f.s. from small unnamed spring, for mining and domestic purposes. Est. cost \$50.

Per. 3465, App. 6543 (Yuba Co.) W. J. Stanford, Wheatland, for .67 c.f.s. from Dry Creek, for irrigation and domestic purposes on 100 acres. Est. cost \$3500.

Per. 3466, App. 6548 (Los Angeles Co.), Isaac Wiskerson, Palmdale, for .025 c.f.s. from Granite Springs, for irrigation and domestic purposes on two acres. Est. cost \$400.

Per. 3467, App. 6433 (Sierra Co.), J. B. Harris, Downieville, for .125 c.f.s. from two unnamed springs, for power purposes. Est. cost, \$500.

Per. 3468, App. 6562 (Glenn Co.) W. F. Linton, Orland, for .81 c.f.s. from unnamed stream, for irrigation and domestic purposes on 5 acres. Est. cost \$400.

Per. 3469, App. 6149 (Trinity Co.), C. M. Salyer, Salyer, for 80 c.f.s. from Cedar Flat Creek, for mining purposes.

CALIFORNIA.—Following applications filed during the month of April with the State Department of Public Works, Division of Water Resources, Sacramento, for permits to appropriate water:

Application 6615 (Mendocino County) Hooper Bros., Valley Oaks Ranch, Ukiah, for 1.5 c. f. s. 10 ac. ft. from Unnamed Winter Drainage Creek, tributary to East Br. of Russian River, for irrigation purposes. Estimated cost \$1000.

App. 6616 (Lake-Napa-Yolo and Solano Counties) Karl Brehme of 1201 Hobart Bldg., San Francisco, for 200 c. f. s. and 100,000 ac. ft. from Putah, Pope, Capet, Eticura Creeks tributary to Sacramento River, for industrial and domestic purposes. Estimated cost \$3,900,000.

App. 6617 (Contra Costa County) John Fleuti, Moraga, for 0.016 c. f. s.

from (1) Grizzly Creek, (2) Unnamed Spring, tributary to Walnut Creek for domestic purposes. Estimated cost, \$1000.

App. 6618 (San Bernardino Co.) Los Angeles Council of Camp Fire Girls, 1107 Security Bldg., Los Angeles, for 1/32 c. f. s. from Santa Ana River, for recreational purposes. Estimated cost \$1000.

App. 6619 (Siskiyou Co.) John A. Foss, Hamburg, for 2 c. f. s. from Caroline Creek tributary to Klamath River for irrigation purposes.

App. 6620 (Yuba Co.) David N. Jones, % Steel & Lingenfelter, Marysville, for 1/2 c. f. s. from Dry Creek tributary to Bear River for irrigation and domestic purposes, (50 acres). Estimated cost \$1000

App. 6621 (El Dorado Co.) Spicky Polish Corp., 1401 3rd St., San Francisco, for 1 c. f. s. from White Rock tributary to South Fork American River for industrial purposes.

App. 6622 (Los Angeles Co.) Cienega Springs Water Co., % R. B. Bidwell, Glendora, for .025 c. f. s. from Tunnel to Spring, tributary to Big Dalton-San Gabriel Watershed for domestic purposes.

App. 6623 (San Joaquin Co.) L. F. Grimsley, Est. Joseph Geiger, deceased, P. E. Holt & Anderson Orchard Co., a Calif. Corp., % Neumiller & Ditz, 605 Bank of Italy Bldg., Stockton, for 2.56 c. f. s. from Calaveras River tributary to San Joaquin River for irrigation purposes (204.69 acres)

App. 6624 (San Joaquin Co.) Raymond T. McGurk & C. H. McGurk, % Neumiller & Ditz, Bank of Italy Bldg. Stockton, for 2.31 c. f. s. from Calaveras River tributary to San Joaquin River for irrigation purposes. (233 acres).

App. 6625 (Los Angeles Co.) Geo. H. Lettau, 305 Security Bldg., Los Angeles, for 0.29 c. f. s. from 7 springs at head of Mint Canyon, tributary to Santa Clara River watershed for irrigation and domestic purposes (230 acres).

App. 6626 (El Dorado Co.) United States, El Dorado National Forest of Placerville for .0019 c. f. s. from Hemlock Creek, tributary to Upper Echo Lake for domestic purposes. Estimated cost \$250.

App. 6627 (El Dorado Co.) United States, El Dorado National Forest of Placerville for .0015 c. f. s. from Hemlock Creek, tributary to Upper Echo Lake for domestic purposes. Estimated cost \$200.

App. 6628 (Trinity Co.) J. O. Gillice of Weaverville for (a) 50 c. f. s. (b) 100 c. f. s. from (a) Cedar Creek (b) Horst Linto Creek, tributary to Trinity River for mining purposes. Estimated cost \$150,000.

App. 6629 (Riverside Co.) O. J. McMahon, % Frazier M. Sallee, San Jacinto, for 0.12 c. f. s. from Unnamed stream for irrigation and domestic purposes. (10 acres to be irrigated). Estimated cost \$2000.

App. 6630 (San Joaquin Co.) City of Stockton for 200 c. f. s. and 65,500 ac. ft. per annum, from Calaveras River tributary to San Joaquin River for power purposes. 2550 H.P.

App. 6631 (San Joaquin Co.) City of Stockton for 50 c. f. s. and 90,000 ac. ft. per annum, from Calaveras River tributary to San Joaquin River for municipal purposes. Estimated cost, \$1,500,000.

App. 6632 (Tulare Co.) C. W. Gray, Hollywood, for .0012 c. f. s. from Asoqui Creek tributary to East Fork Kaweah, River for domestic purposes. Estimated cost \$350.

App. 6633 (Riverside Co.) W. R. Peeler, 1701 S. Grand Ave., Los An-

geles, for .0025 c. f. s. from Spring, tributary to Lake Elsinore, for domestic purposes. Estimated cost \$500

App. 6634 (El Dorado Co.) Wm. B. Parker of Placerville, for 0.27 c. f. s. from Emigrant Ravine Creek, tributary to Hangtown, R. Webber Creek, South Fork American River, for irrigation purposes. (22 acres). Est. cost, \$50.

App. 6635 (Siskiyou Co.) Buzzard Hill Mine, Inc., % L. J. Rowland, Manager, Happy Camp, Calif., for 12.5 c. f. s. from Independence, tributary to Klamath River, for power and domestic purposes. Est. cost, \$10,000.

App. 6636 (Siskiyou Co.) Buzzard Hill Mine, Inc., % L. J. Rowland, Mgr. Happy Camp, Calif., for 0.05 c. f. s. from Independence Creek, tributary to Klamath River, for irrigation and domestic purposes. Est. cost, \$2000.

App. 6637 (Siskiyou Co.) Buzzard Hill Mine, Inc., % L. J. Rowland, Mgr. Happy Camp, Calif., for 0.25 c. f. s. from Independence Creek, tributary to Klamath River, for mining purposes. Est. cost, \$10,000.

App. 6638 (Modoc Co.) John Miller of Lake City, Calif., for 1.65 c. f. s. from Mill Creek tributary to Upper Lake, for irrigation and domestic purposes (112.2 acres).

App. 6639 (Modoc Co.) W. J. Hays, Mrs. Nannie Daniels, G. M. Warrens and Mrs. C. H. Darst of Lake City, Calif., for 3 c. f. s. from Mill Creek, tributary to Upper Lake, for irrigation and domestic purposes (252 ac.)

App. 6640 (Modoc Co.) Simon Bennett, Cedarville, Calif., for 1.35 c. f. s. from Mill Creek, tributary to Upper Lake, for irrigation and domestic purposes (160 acres).

App. 6641 (Modoc Co.) Grover Wimer, Lake City, Calif., for 1 c. f. s. from Mill Creek, tributary to Dry Alakl Lakes, for irrigation purposes (15 acres). Est. cost, \$100.

App. 6642 (Mendocino Co.) Murphy & Yarbrough, % H. S. Stocker, Ukiah, for 1 c. f. s. from Forsythe Creek, tributary to Russian River, for irrigation and domestic purposes (121.2 acres). Estimated cost \$800.

App. 6643 (Butte Co.) H. D. March, Chico, for .5 c. f. s. from Spring, tributary to Little Butte Creek, for power purposes. Est. cost \$2000.

App. 6644 (Butte Co.) H. D. March, Chico, for .5 c. f. s. from Spring tributary to Little Butte Creek, for irrigation and domestic purposes (70 A). Est. cost \$2000.

App. 6645 (Lake Co.) Martin Judge Jr. & Co., Crocker First Natl. Bank Bldg., San Francisco, for 250 c. f. s. and 175,000 ac. ft. per annum, from North Fork of Cache Creek, tributary to Cache Creek, for industrial and domestic purposes. Est. cost, \$3,000,000.

App. 6646 (Lake County) Martin Judge Jr. & Co., Crocker 1st Natl. Bank Bldg., for 175,000 ac. ft. per annum, from North Fork of Cache Creek, tributary to Cache Creek, for irrigation purposes (50,000 acres). Estimated cost, \$1,000,000.

App. 6647 (Siskiyou Co.) Buzzard Hill Mine, Inc., % L. J. Rowland, Mgr. Happy Camp, for 2.75 c. f. s. from Buzzard Creek, tributary to Klamath River, for power purposes (68.7 H.P.) Est. cost, \$2000.

App. 6648 (Siskiyou Co.) Buzzard Hill Mine, Inc., % L. J. Rowland, Mgr., Happy Camp, for .35 c. f. s. from Buzzard Creek, tributary to Klamath River, for mining and domestic purposes. Estimated cost \$2000.

App. 6649 (San Diego Co.) Southern California Water Supply Co., % F. M. Faude, Vice President, Loveland En-

gineers, Inc., 1010 Bank of Italy Bldg., San Francisco, for 18.6 c. f. s. and 40,000 ac. ft. per annum, from Sweetwater River, tributary to San Diego Bay, for irrigation and domestic purposes (5000 acres). Est. cost, \$1,500,000.

App. 6650 (El Dorado Co.) Florence D. Smith, 219 Kentucky St., Petaluma, for .001 c. f. s. from Winifred Spring, tributary to Fallen Leaf Lake, for domestic purposes. Est. cost \$125.

App. 6651 (Ventura Co.) Chester F. Robbins, 468 E. Main St., Ventura, for 1.00 c. f. s. from Middle Fork of Lockwood Creek, tributary to Lockwood Creek, Piru Creek, for irrigation and domestic purposes (80 acres) Est. cost, \$200.

App. 6652 (Placer Co.) Bear River Water & Power, Co., % J. L. Rollins, Mer., Colfax, Calif., 111,020 c. ft. per annum, from Bear River, tributary to Feather River, for power purposes—4250 H.P. Est. cost, \$2,500,000.

App. 6653 (Santa Clara Co.) Mrs. A. F. Cochrane, % Louis O'Neal, 1st Nat'l Bank Bldg., San Jose, for 0.64 c. f. s. from Coyote River, tributary to San Francisco Bay, for irrigation purposes. (51 acres).

App. 6654 (Santa Clara Co.) Mrs. A. F. Cochrane, for 0.025 c. f. s. from Coyote River, tributary to San Francisco Bay, for domestic purposes. Est. cost \$250.

App. 6655 (Santa Clara Co.) Mrs. A. F. Cochrane, for 0.22 c. f. s. from Coyote River, tributary to San Francisco Bay, for irrigation purposes. (18 acres). Est. cost \$1500.

App. 6656 (Santa Clara Co.) Mrs. A. F. Cochrane, for 0.12 c. f. s. from Coyote River, tributary to San Francisco Bay, for irrigation purposes (9½ acres).

App. 6657 (San Luis Obispo Co.) Dr. O. M. Pollin, % J. D. McGregor, Gibson-Drexler Bldg., San Luis Obispo, for 1.78 c. f. s. from well, tributary to San Luis Obispo Creek, for irrigation purposes (131 acres). Est. cost, \$20,000.

App. 6658 (Los Angeles Co.) W. H. Cruzan, Rt. 1, Box 110, Saugus, for .5 c. f. s. from 3 springs, tributary to Mint Canyon, Santa Clara River, for mining purposes. Est. cost \$26,000.

App. 6659 (El Dorado Co.) U. S. El Dorado National Forest, % Edwin F. Smith, Supervisor, Placerville, for .0027—or approx. 1800 gals. per day, from unnamed stream, tributary to Upper-Echo Lake, for domestic purposes. Est. cost, \$150.

App. 6660 (Butte Co.) A. H. Dakin, Magalia, for 40 c. f. s. from Empire Creek, tributary to W branch of N Fork of Feather River, for mining purposes. Est. cost \$300.

App. 6661 (Riverside Co.) J. O. Blackburn, Hemet, for 3000 gallons per day from Bee Canyon Spring, tributary to San Jacinto River, for irrigation purposes. Est. cost \$3000.

App. 6662 (Riverside Co.) Lucile Mann Morris, Keen Camp, Calif., for 8 miner's inches, or .2 c. f. s. from spring, tributary to San Jacinto River, for irrigation purposes. (20 acres). Est. cost \$1100.

App. 6663 (San Bernardino Co.) Otto E. Kanka, Lucerne Valley, Calif., for 20 miner's inches, or 5 c. f. s. from unnamed spring, tributary to Mojave Desert, for irrigation and domestic purposes. Est. cost, \$3000.

App. 6664 (Sutter Co.) James R. Young, Cranmore, Calif., for 1.94 c. f. s. from Sacramento River, tributary to Suisun Bay, for irrigation purposes. (154.97 acres. Est. cost, \$5000.

STREET LIGHTING SYSTEMS

OAKLAND, Cal.—Until May 15, 12 noon, bids will be received by Frank C. Merritt, city clerk, to install ornamental duplex (15) lighting standards together with underground system in 17th St. bet. San Pablo Ave. and Harrison St., and in portions of San Pablo Ave. and Franklin St. adjacent to 17th St. 1911 Act. Certified check 10%, payable to city required with bid. Plans on file in office of clerk.

FRESNO, Fresno Co., Cal.—Robinson Electric Co., 141 College Ave., Fresno, at \$23,073 awarded contract by city council (101-2) to install lighting system in Stanislaus St. bet. Van Ness Ave. and pt. 75 ft. NE of O St. in O St. from Stanislaus St. to pt. 125 ft. NW from Stanislaus St., and in portions of Blackstone Ave., involving installation of 137 standards, together with underground system. Comb. steel and cast iron standards.

WILLOWS, Glenn Co., Cal.—Until May 19, 7:30 P. M., bids will be received by A. E. Piper, clerk, Glenn County High School District, to install electroliters at high school grounds, involving 4 standards in Lassen St., 2 standards in Willow St. and 2 standards in Mordoch St.; to be installed on concrete bases, 24x 24-in. by 36-in. Standards to be furnished by district.

SACRAMENTO, Cal.—City council declares intention (2303) to install electroliters with underground system in H St., between 6th and 12th Sts., involving 48 single light standards. 1911 Act. Bond Act 1915. Hearing May 22. H. G. Denton, city clerk. Fred J. Klaus, city engineer.

MACHINERY AND EQUIPMENT

RENO, Nevada.—Until June 5, 10 A. M., bids will be received by E. H. Beemer, county clerk, to furnish and deliver one ton truck with express body, 96x50x18-in., closed cab; 32x6-ply tires all around; 4-wheel mechanical brake; 120-in. wheel base; 6 cylinders; full equipped and latest model; price not to exceed \$1500. Further information obtainable from clerk.

SAN FRANCISCO.—Fagool Motors at \$25,897 awarded contract by Board of Public Works to furnish and deliver three automobile busses to operate in connection with Municipal railway system.

COALINGA, Fresno Co., Cal.—Until June 2, 7:30 P. M., bids will be received by E. J. McCroskey, city clerk, to furnish and delivery one 1½-ton truck chassis with cab and one ¾-ton truck chassis with cab. Certified check 10% required with bid. Further information obtainable from clerk.

SANTA BARBARA, Cal.—Until May 19, 3 P. M., bids will be received by Board of Education, to furnish and install woodworking and metalworking machinery and equipment for schools. Specifications obtainable from secretary of the board.

FIRE ALARM SYSTEMS

PALO ALTO, Santa Clara Co., Cal.—City council plans to purchase traffic control devices to be installed at intersection of El Camino Real and University Ave. Will be G. E. 3-light type. Estimated cost \$1,480.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN FRANCISCO.—Until May 26, 3 P. M., under Proposal No. 589, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 100 microscopes for School Department. Further information obtainable from above.

PIPE LINES, WELLS, ETC.

CARSON CITY, Nevada.—Until May 13, 10 A. M., bids will be received by John W. Brooks, Secretary, Board of Prison Commissioners, State Capitol Bldg., for drilling and constructing a cased well of depth not less than 250 feet and not greater than 400 feet. Specifications on file in office of secretary of state. Certified check of 5% required with bid.

TULARE, Tulare Co., Cal.—Hansen and Webster, Bakersfield, at \$5,996, awarded contract by city council to drill 900-ft. well in connection with municipal water system. Other bids: Huffman and Sexton, Tulare, \$6,530; A. J. Whitten, Bakersfield, \$7,713.

COALINGA, Fresno Co., Cal.—Until June 2, 7:30 P. M. bids will be received by E. J. McCroskey, city clerk, to furnish and deliver 2,530 ft. 3-inch black lap welded standard pipe, f.o.b. Coalinga. Certified check 10% required with bid. Specifications obtainable from city clerk.

SEWERS AND SEWAGE DISPOSAL PLANTS

DAVIS, Yolo Co., Cal.—Until May 19, 8 P. M., bids will be received by F. A. Plant, city clerk, to construct sewer from State Highway south for distance of 3000 ft. and construct 2 sumps together with pumping apparatus and equipment for such sumps. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

FAIRFIELD, Solano Co., Cal.—M. J. Bevanda, Stockton, at \$141,462.26 awarded contract by county to construct vitrified sanitary sewer system, together with manholes, inspection holes, sewerage pumping plant, etc., in Acq. and Imp. Dist. No. 1. Work under Acq. and Imp. Act 1925. City of Vallejo will pay \$30,526.48 of total cost. Following is a complete list of bids:

M. J. Bevanda.....	\$141,426
F. M. McGaw.....	141,612
J. E. Johnston.....	146,484
O. U. Miracle.....	165,659
Heafy Moore Co., Oakland.....	167,417
Drainage Constr. Co.....	168,471
Jasper Stacey Co.....	176,860
P. & H. Constr. Co., San Jose.....	182,807
W. J. Tobin.....	211,240
J. C. Hickey.....	234,110

SAN MATEO, San Mateo Co., Cal.—Oakland Sewer Const. Co., Oakland, at \$54,715.86 awarded contract by city council (30-1) to construct 6- to 12-12-15, 18- and 21-in. vit. clay pipe sanitary sewers; 4-in. cast iron pumping mains; brick manholes; vit. clay pipe sewer laterals; steel reinf. conc. sumps with sewage pumps, motors, piping, etc., in the Beresford Park District.

Complete list of bids follows:

Oakland Sewer Const. Co.....	\$54,715
DeGolia & Bruce, Oakland.....	56,734
Oakland Const. Co., Oakland.....	61,549
Heafy-Moore, Oakland.....	62,687
W. J. Tobin, Oakland.....	62,690
T. & H. Const. Co.....	64,587
H. E. Conner, Monterey.....	66,408

Frederickson & Watson, Oakl'd 68,391
A. J. Ralsch, San Francisco..... 73,277
Pacific Pavement Company..... 74,134
J. C. Hickey, San Francisco..... 75,438

HEALDSBURG, Sonoma Co., Cal.—City council starts proceedings for approximately 5000 feet of sewers in Mason, Front, Hudson and University Streets.

HEALDSBURG, Sonoma Co., Cal.—City council cancels contract awarded to A. W. Garrett, Healdsburg, to construct sewers in the Ward Addition.

GALT, Sacramento Co., Cal.—City sells \$45,000 bond issue to finance sewage disposal plant. Bids for construction will be asked shortly.

LOS ANGELES, Calif.—Herbert M. Baruch Corp., Lincoln Bldg., Los Angeles, at \$242,058 submitted low bid to county supervisors to construct drainage system in Drainage District Imp. No. 29, covering Sherman and vicinity.

VALLERO, Solano Co., Cal.—M. J. Bevanda, Stockton, at \$6600 submitted low bid to city council to construct a 36-inch vitrified clay pipe sanitary outfall sewer with crossoset timber cradle and pile foundation on direct extension westerly of the center line of Ryder St., extending from City Bulkhead to Longitudinal Dyke of U. S. Govt. on east side of Mare Island Channel. Michael Murphy, Berkeley, \$999 only other bidder. Taken under advisement until May 10. T. D. Kilkenny, city engineer.

SAN FRANCISCO.—MacDonald and Kahn, Financial Center Bldg., at \$75,976 submitted low bid to Board of Public Works to construct Section C of the Fillmore Street Main Sewer. Next two low bidders were: E. J. Treacy, \$76,000; C. C. W. Haun, \$76,593.

VENTURA, Ventura Co., Cal.—D. C. McMillan, city engineer, is considering plans for a sewage reclamation plant to reclaim part of the 1,200,000 gallons daily of sewage.

SAN FRANCISCO.—Peter McHugh, 466 36th Ave., at \$55,751 awarded contract by Board of Public Works to construct Geary St. and 23rd Ave. sewer from 27th Ave. and Geary St. to 23rd Ave. and Lake St.; estimated cost, \$61,000. Projects involves in the main, 4000 ft. 48-in. to 24-in. reinf. concrete sewers. J. J. Gartland, 1275 Guerrero St., bidding \$53,362 was permitted by the Works Board to withdraw his bid, claiming error.

SAN FRANCISCO.—L. J. Cohn, 117 Montgomery St., at \$112,031 awarded contract by Board of Public Works to construct Section B of the Fillmore St. sewer, involving in the main 3,000

ft. 6-ft. 9-in. circular reinf. concrete sewer in Tenth and Fell Sts. from Harrison St. to Van Ness Ave.

BERKELEY, Alameda Co., Calif.—City council declares intention (648) to construct 15-inch pipe sewer with manholes and overflow connection in Durant Ave. from existing combination storm and sanitary sewer in east side of Shattuck Ave., east for a distance of 160 ft. from Ellsworth St. 1911 Act. Bond Act 1915. City will pay \$850 from General Fund as part cost. Hearing May 13. Florence E. Turner, city clerk.

SAN FRANCISCO.—J. Varano, 16 Gerke Alley, at \$20,105 awarded contract by Board of Public Works to construct Bay View District Sewers, involving 369 lin. ft. 4-ft. 6-in. reinf. concrete sewer, exclusive of piles; 703 lin. ft. 2-ft. 6-in. x 3-ft. 9-in. reinf. conc. sewers, exclusive of piles; 1350 lin. ft. open ditch; 400 lin. ft. 6-in. V. C. P. underdrain covered with concrete or imbedded in broken rock; 700 lin. ft. V. C. P. underdrain covered with concrete or imbedded in broken rock; one reinf. conc. junction struc.; one reinf. concrete taper struc., exclusive of piles; 4 brick or concrete manholes; 10,500 lin. ft. wood piles below cutoff, in place.

WATER WORKS

RIVERBANK, Stanislaus Co., Calif.—Pittsburgh-Des Moines Steel Co., San Francisco, at \$6,500 awarded contract by Riverbank Water Co., to furnish and erect steel water tank; 75,000-gal. capacity.

SAN FRANCISCO.—Until May 12, 10 A. M., under Schedule No. 928-285, bids will be received by Quartermaster Supply Office, General Depot, Fort Mason, to furnish and deliver 2400 ft. 2-in. and 550 ft. 6-in. cast iron soil pipe, in 5 ft. lengths, single hub, standard and 1600 ft. wrought iron pipe, welded, galvanized, standard weight, in commercial length, threaded, 2000 ft. to be ½ inch, butt welded, 5000 ft. 1-in. butt welded; 4000 ft. 1½-in. lap welded and 600 ft. 6-in. lap welded. Bids are also desired for a miscellaneous quantity of pipe fittings. Specifications obtainable from above office.

EUGENE, Oregon.—Stevens & Koon consulting engineers, Spalding Bldg., Portland, commissioned by city council to prepare plans for water filtration and pumping plant in connection with municipal water system. The proposed plant will have an initial capacity of 9,000,000 gallons daily with provisions for economical expansion to a future expansion of 24,000,000 to 30,000,000 gallons. Preliminary estimates indicate that the work under

consideration will cost approximately \$250,000 and can be financed from accrued waterworks earnings.

PLAYGROUNDS & PARKS

BAKERSFIELD, Kern Co., Calif.—County supervisors reject bids to construct four tennis courts at Ford City, as being too high. The county has \$4,000 available for the work, while the lowest bid was \$4,995. New bids will be asked from revised plans.

STREETS AND HIGHWAYS

HUMBOLDT COUNTY, Calif.—Following bids received May 7 by State Highway Commission to grade and pave with Portland cement concrete, 4.3 miles between Fortuna and Leleta: J. V. Galbreath, Petaluma.....\$148,707
Engelhardt Paving Co., Eureka 158,653
M. J. Bevanda, Stockton..... 159,332
N. M. Ball, Porterville..... 165,996
C. W. Wood, Stockton..... 166,209

DEL NORTE COUNTY, Cal.—Following bids received May 7 by State Highway Commission to surface with untreated crushed gravel or stone, 15.2 miles between Smith River and Patrick Creek:
Smith Bros. Co., Eureka.....\$32,650
Tesslau Bros., Berkeley..... 39,217
Hemstreet & Bell, Marysville..... 40,810

LASSEN-MODOC COUNTIES, Cal.—Until May 28, 2 P. M., bids will be received by State Highway Commission to furnish and apply heavy fuel oil, as a dust layer, on 57.2 miles between Hillsdale and Alturas.

See call for bids under official proposal section in this issue.

SHASTA COUNTY, Cal.—Until May 28, 2 P. M., bids will be received by State Highway Commission to furnish and apply heavy fuel oil on roadbed on 58.7 miles in various parts of Shasta county.

See call for bids under official proposal section in this issue.

SAN JOAQUIN COUNTY, Cal.—Until May 28, 2 P. M., bids will be received by State Highway Commission to grade and pave with asphalt concrete, 1.9 miles between South Santa Road and East Santa Road.

See call for bids under official proposal section in this issue.

RIVERSIDE COUNTY, Cal.—Until May 28, 2 P. M., bids will be received by State Highway Commission to furnish and apply to shoulders heavy fuel oil on 23 miles between White-water River Bridge and Indio.

See call for bids under official proposal section in this issue.

SEQUOIA NATIONAL PARK, Cal.—Until May 27, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Works 461 Market St., San Francisco, to grade 2.7 miles of Section D-2 of Route No. 1, General's Highway in Sequoia National Park, involving:

19.9 acres clearing;
95,133 cu. yds. unclass. excavation;
19,475 cu. yds. Type B excavation;
694 cu. yds. unclass. excavation for structures;
20,917 sta. yds. overhaul;
2.70 miles finishing;
415 cu. yds. cem. rubble masonry;
1,456 lin. ft. corr. metal pipe (in place);
4,500 cu. yds. mile hauling backfill material.

Plans obtainable from engineer on deposit of \$10, returnable. 28

HUMBOLDT COUNTY, Cal.—A. D. Drumm, Fallon, Nevada, at \$37,827.82 awarded contract by State Highway

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Commission to construct 18.6 miles of highway bet. Paradise Hill and Orovalda. Engineer's estimate \$36,967.33.

WHITE PINE COUNTY, Nevada.—Until May 14, 2 P. M., bids will be received by S. C. Durkee, state highway engineer, Carson City, to construct highway between Robinson Summit and Keystone and Magnuson's and North County Line 47.01 miles, including grading; structures and gravel surfacing. Plans obtainable from engineer on payment of \$15, of which

ALAMEDA, Alameda Co., Cal.—Healy-Moore Co., 344 High St., Oakland, at \$7700 submitted only bid to city council to furnish and deliver 2000 barrels, more or less, Calol or Roadmate oil. Taken under advisement.

\$10 is returnable.

SANTA BARBARA CO., Cal.—Gilmore Oil Co., 2423 E 28th St., Vernon, awarded contract by State Highway Commission at \$1.98 per bbl. or a total of \$4185.72 for highway work in Santa Barbara county between Buckhorn Creek and 2nd crossing of the Cuyama River, about 15.1 miles in length. 2114 bbls. heavy fuel oil to be furnished and applied as dust layer.

SAN JOAQUIN CO., Cal.—As previously reported, bids will be received by State Highway Commission, May 28, to grade and pave with asphalt concrete 1.9 miles between South Santa Road and East Santa Road. Project involves: 6100 cu. yds. rdwy. excavation without class; \$9,500 sta. yds. overhaul; 19,400 cu. yds. imp. borrow; 126 cu. yds. struc. excav.; 4000 sq. yds. subgrade for pave; 13,860 sq. yds. asphalt binder; 7100 tons asphalt concrete; 1 cu. yd. class. A cem. conc. (struc.); 34 lbs. bar reinf. steel (struc.); 192 lin. ft. 12-in. and 44 lin. ft. 18-in. corr. metal pipe; 72 lin. ft. corr. metal pipe (clean and relay); move and reset 9 headwalls; 1.2 miles new hog-tight ppty. fence; move and reset .8 ml. ppty. fence; 101 sta. finish rdwy.; 21 each monuments, complete, in place. The state will furnish cor-

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—City Engineer Leon Moore completing plans to pave Garden St. from Marsh St. to Buchon St. Pavement will be 6-in. concrete 40 ft. in width.

OAKLAND, Calif.—City council declares intention (46476) to improve portions of Plymouth St., 99th Ave., and Cherry St., involving grading; curbs; gutters; pavement and sidewalks; corr. iron and concrete culverts; sewer with lamphole and wye ranches. 1911 Act. Hearing May 22. Frank C. Merritt, city clerk.

OAKLAND, Cal.—Until May 20, 10:30 A. M., bids will be received by George E. Gross, county clerk, to improve portions of 2nd, 3rd, School, F. G. H. I. and J Sts., and Crane alley and L St., within town limits of Niles, all in Washington Road District. Certified check 10% payable to county clerk required with bid. Plans obtainable from Geo. A. Posey, county surveyor.

HOLLISTER, San Benito Co., Cal.—Until May 13, 5 P. M., bids will be received by Howard O'Brien, town clerk, (16-C) to improve portions of Hawkins St., East St., South St., Third St., etc., involving 6-in. cem. conc. pavement on 4-inch gravel cushion; conc. curbs, gutters, driveway approaches; conc. catchbasins; vit. sewers, etc. 1911 Act. Estimated cost, \$81,000. Certified check 10%

payable to town of Hollister required with bid. Plans on file in office of clerk and obtainable from City Engineer A. M. McCray.

SISKIYOU COUNTY, Cal.—Until May 19, 2 P. M., bids will be received by H. S. Comly, District Engineer, State Highway Commission, Redding, to furnish and apply as dust layer, heavy fuel oil on 21 miles between Shasta River and Walker.

See call for bids under official proposal section in this issue.

SAN JOAQUIN COUNTY, Calif.—Following bids received May 7 by the State Highway Commission to grade and surface with untreated crushed gravel or stone, 0.7 mile between Lodi and ¼ mile north of the Mokelumne river:

E. McDonald, Sacramento	\$22,147
Lilly, Willard and Biasotti, Stockton	22,327
Frederickson & Watson, Oakland	23,718
C. W. Wood, Stockton	25,263
C. M. Morgan Paving Co., L. A.	26,118
A. Telchert & Son, Inc., Sacto.	26,441
Larsen Bros., Galt	28,393
J. P. Holland, Inc.	28,849
P. R. Pereira & Reed, Gilroy	29,744
W. C. Colley, Berkeley	34,545

RENO, Nevada.—Until May 12, bids will be received by city council to construct 3,250 lin. ft. conc. curbs and gutters and 58,900 sq. ft. conc. pave. in various streets. Plans on file in office of city clerk.

SACRAMENTO, Cal.—Until May 15, 5 P. M., (to be opened 8 P. M.), bids will be received by H. G. Denton, city clerk, (2302) to improve K St., bet. 29th St. and west boundary of Wright and Kimbrough Tract No. 24, involving concrete curbs and gutters; c. i. drains; vit. sewers; conc. manholes; conc. walks; grading; pave with 2-in. asphalt conc. with seal coat on 4-in. corr. gravel sub-base and install street lighting system. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Fred J. Klaus, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until May 13, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Santa Clara and Los Gatos Road in Supervisor District No. 4. Plans obtainable from Robert Chandler, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until May 13, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Second and Third streets in Supervisor District No. 4. Plans obtainable from Robert Chandler, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—San Jose Paving Co., San Carlos and Dupont Sts., San Jose, at \$16,355 awarded contract by county supervisors to improve Union Avenue in Supervisor District No. 5. Complete list of bids follows:

San Jose Paving Co.	\$16,355
Granite Constr. Co., Watsonville	16,600
A. J. Ralsch, San Francisco	16,897
L. A. Bachelder, San Jose	17,574
U. B. Lee	17,726
O. G. Ritchie, San Jose	19,645
Surveyor's estimate	19,200

SAN JOSE, Santa Clara Co., Cal.—A. J. Ralsch, 46 Kearny St., San Francisco, at \$4850 awarded contract by county supervisors to improve Cottle road in Supervisor District No. 4. Complete list of bids follows:

A. J. Ralsch	\$4850
Granite Constr. Co., Watsonville	5316
O. G. Ritchie, San Jose	5740
U. B. Lee	5955
Surveyor's estimate	5125

SAN JOSE, Santa Clara Co., Cal.—Granite Const. Co., Watsonville, at \$7,848 awarded contract by county supervisors to improve Silver Creek road in Supervisor District No. 2. Complete list of bids follows:

Granite Const. Co.	\$ 7,848
A. J. Ralsch	8,100
San Jose Paving Co.	8,740
L. A. Bachelder, San Jose	8,770
U. B. Lee	9,516
O. G. Ritchie, San Jose	11,075
Surveyor's estimate	7,700

MARTINEZ, Contra Costa Co., Cal.—County supervisors, due to protests, rescind proceedings to pave streets in Mountain View Tract, involving an expenditure of approximately \$45,000. It is probable that new proceedings will be started.

SAN FRANCISCO.—Bureau of Engineering, Department of Public Works, completes specifications to improve crossing of 45th Ave. and Lawton St., involving:

360 cu. yds. excavation;
94 lin. ft. armored conc. curb;
660 sq. ft. 1-course conc. sidewalk;
3 brick catchbasins;
105 lin. ft. 10-in. V. C. P. culverts;
4,833 sq. ft. asphalt conc. pavement, 2-in. asphalt conc. surface on 6-in. class F conc. base.

Estimated cost \$2,200.

REDWOOD CITY, San Mateo Co., Cal.—County Surveyor Geo. A. Kneese in report to county supervisors estimates cost of Woodruff Creek road running from the Skivline Blvd. to a point on the La Honda road at the intersection with Woodruff Creek at \$84,000, involving grading, clearing and construction of culverts and concrete headwalls; \$20,000 additional would be required for a 6-in. crushed

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rock pavement, 20-feet wide. Road would be approximately three miles in length with an 8.5 per cent grade.

RENO, Nevada.—Until May 12, 5 P. M., bids will be received by J. B. Reese, city clerk, to improve various streets, involving:

14,000 sq. ft. cem. conc. sidewalks;
1,000 lin. ft. 8-ft. 6-in. cem. concrete curb and gutter;

2,000 lin. ft. 2-ft. 6-in. do;

250 lin. ft. 6-ft. cem. conc. gutter (only);

35,900 sq. ft. 5-in. cem. concrete alley pavement;

22,000 sq. ft. 6-in. cem. conc. pave.

Certified check 10% payable to city required with bid. Plans obtainable from city engineer on deposit of \$5, returnable.

RICHMOND, Contra Costa Co., Cal.—Proceedings will be started at once by city council to improve Pennsylvania Ave. bet. 19th and 20th Sts. E. A. Hoffman, city engineer.

May 7, 1930

REDDING, Shasta Co., Cal.—Until May 19, 10 A. M., bids will be received by E. C. Frisbie, clerk, Redding School District, to construct concrete sidewalk, gutters and curbs in East St., bet. Eureka Way and Trinity St., adjoining school grounds. Certified check 10% required with bid. Plans obtainable from County Superintendent of Schools, Courthouse, Redding.

SAN FRANCISCO.—Fay Imp. Co., Phelan Bldg., at \$17,993 submitted low bid to Board of Public Works to improve Utah St. bet. 18th and 19th Sts., and 19th St. bet. Utah St. and San Bruno Ave., involving grading; concrete retaining walls; asph. conc. pavement, etc. Next two low bidders were: M. J. Lynch, \$18,199; A. G. Ralsch, \$18,447.

SAN FRANCISCO.—C. B. Eaton, 715 Ocean Ave., at \$10,114 submitted low

bid to Board of Public Works, to improve Section E of the Alemany Blvd. at inter. of Sagamore St. and Orizaba Ave., under Contract No. 20, involving 31,800 sq. ft. asph. conc. pave., consisting of 1½-in. asph. surface, 1½-in. under course and 8-in. class E conc. base; 1900 sq. ft. one-course concrete sidewalks; 2200 sq. ft. 4-in. macadam sidewalk; 215 lin. ft. armored concrete curb; 570 lin. ft. r.w. conc. curb, exposed surfaces painted; 60 lin. ft. r.w. headers, 2x10-in.; one 8-unit warning sector post. Meyer Rosenberg, \$10,353; Fay Imp. Co., \$10,476.

LOS ANGELES, Calif.—Kovacevich and Price, 1553 Loma Ave., Long Beach, at \$293,155 submitted low bid to county supervisors to improve Main St., north of Wilmington from S St. to Olive St., a distance of 6.12 miles, involving in the main 700,000 sq. ft. conc. pave. and 500,000 sq. ft. asph. conc. surfacing; culverts, headwalls, etc.

SANTA CRUZ, Santa Cruz Co., Cal.—Until May 19, 3 P. M., bids will be received by S. A. Evans, city clerk (458-C) to improve portions of Windser St., South Branciforte Ave. and Pine St., involving cement concrete pavement, curbs, sidewalks, driveway approaches, catchbasins, vit. clay pipe sewer laterals; wrought iron water pipe services. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Roy Fowler, city engineer.

SAN FRANCISCO.—Until May 21, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve Harrison Street between 2nd and 3rd Sts., involving grade; concrete curbs; 12-in. vit. clay pipe sewers with wyes; side sewers; brick manholes; 1½-in. asph. concrete surface pavement, 1½-inch binder course with 8-in. class E conc. base. Estimated cost \$104,000. Cert. check 10% payable to clerk of the Board of Supervisors required with bid. Plans

obtainable from Bureau of Engineering, 3rd floor, City Hall.

SACRAMENTO COUNTY, Calif.—Until June 5, 2 P. M., bids will be received by State Department of Public Works, Division of Water Resources, State Office Bldg., Sacramento, to construct bank protection works on the left bank of the Sacramento river, one mile below Isleton, consisting of approximately 8,000 cu. yds. of sand fill and 21,000 sq. ft. of 4-in. conc. pave. Plans obtainable from above office.

See call for bids under official proposal section in this issue.

SAN FRANCISCO.—Louis Johnson at \$5,140 submitted low bid to Board of Public Works for grading Phelps St. bet. Jerrold and Evans Avenues, including crossings.

STARRETT BROS. ANNOUNCE FIRM NAME CHANGE

In recognition of Andrew J. Eken's contribution to the building industry, the directors of The Starrett Corporation have authorized that the name of its wholly-owned subsidiary, Starrett Brothers, Inc., be changed to Starrett Brothers and Eken, Inc. The change will take effect at once.

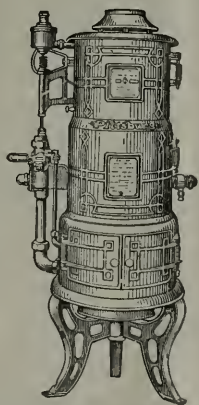
Mr. Eken was associated with Paul Starrett and Colonel William A. Starrett in the formation of Starrett Brothers in 1922 and has since been its Vice President. The concern has erected a number of the most important structures in New York and vicinity to which Mr. Eken has given close personal attention.

He is credited with many innovations in the building industry, his most recent achievement being in connection with the erection of the new 70-story Bank of Manhattan Company building at 40 Wall Street. Under his immediate direction and using building methods largely original with him, the new structure was completed in less than a year after the work of demolition was started upon the old buildings covering the site. This operation broke all records for new building operations and incidentally through its time-saving feature, saved the owners over a million dollars in interest charges and rent.

Starting as a sixteen year old office boy with an architectural firm in Newport News, Va., Mr. Eken in the thirty-two years intervening, has had a varied experience in the building industry in the United States, Canada and Japan. For eleven years previous to joining Starrett Brothers he occupied various important executive positions with the George A. Fuller Company.

POTTERY FIRM INCORPORATES

Naming Warren D. Coleman and Walter Banner of Albany and Leslie Price, Berkeley attorneys, as directors, Western Potteries, Ltd., has filed articles of incorporation with Secretary of State Frank C. Jordan in Sacramento, according to dispatches. The corporation is a reorganization of Pottery, Inc., and will use its plant at 136 Kearney St., El Cerrito, for manufacture of porcelain products, according to Price. The firm specializes in the manufacture of bathroom fixtures and other colored porcelain products. The concern is capitalized at 500 shares with no par value, according to information from Sacramento. It will be a closed corporation and no stock will be on public sale, Price said.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

Pittsburg Water Heater Co.

Makers of "Pittsburg Automatic"—"Bungalow Automatic" Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland 478 Sutter St., San Francisco

SEND FOR CATALOGS

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

538	Franco	Spivock	3000
539	Johnson	Peterson	4150
540	Klingspor	Owner	10000
541	Godin	Owner	3000
542	Hilp	Barrett	5000
543	Holm	Fiske	4000
544	Meyer	Owner	16000
545	Meyer	Owner	5000
546	Meyer	Owner	5000
547	Michael	Owner	4000
548	Nasi	Apte	3000
549	Stoneson	Owner	21000
550	Davis	Ellingson	2000
551	Marzo	Swanson	16000
552	Moss	Home	1255
553	Dall	Owner	4000
554	Halsen	Owner	5000
555	Owl	Duval	15000
556	O'Donnell	Owner	4000
557	Stanley	Owner	10000
558	Tosch	Smith	9000
559	Richter	Schroeder	1500
560	Van Ness	Owner	1000
561	Richards	Owner	4500
562	Flood	Scully	1500
563	Martinet	Owner	3500
564	Tryon	Wallace	2000
565	Spitalara	Carraro	4000
566	Manzani	Miller	6125
567	O'Brien	Horstmeyer	3550
568	Peterson	Owner	3000
569	Peterson	Owner	3500
570	Steele	Owner	6500

ALTERATIONS

(553) 1111 MARKET ST.; alterations for restaurant.
Owner—Franco Bros., 1111 Market St.
Architect—None.
Contractor—Spivock & Spivock, Hobart Bldg. \$3000

ALTERATIONS

(553) 231 MISSION ST.; alterations to building, stucco front, alter show windows, etc.
Owner—Mrs. M. Johnson, 380 Capp St.
Architect—None.
Contractor—A. Petersen, 2770 San Bruno Ave. \$4130

APARTMENTS

(540) E. NINTH AVE. 125 N. Noriega; 2-story and basement frame (4) apts.
Owner—H. S. Klingspor, 2953 Washington St.
Architect—None. \$10,000

DWELLING

(541) N. MANGELS 275 E. Forester; one-story and basement frame dwelling.
Owner—G. Godin, 586 Monterey Blvd.
Architect—B. K. Dobkowitz, 425 Monterey Blvd. \$3000

REMODELING

(542) 5212 JACKSON ST.; remodel dwelling.
Owner—H. H. Hilp, 3212 Jackson St.
Architect—W. Polk, 277 Pine St.
Contractor—Barrett & Hilp, 918 Harrison St. \$5000

DWELLING

(543) W. 22nd AVE. 150 N. Lawton; one-story and basement frame dwelling.
Owner—A. Holm, Boronda Farm, R. F. D. Box 146, Redwood City.
Architect—None.
Contractor—F. Fiske, 1363 8th Ave. \$4000

DWELLINGS

(544) E. 22nd AVE. 125 N. Wawona; four 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr.
Architect—None. each \$4000

DWELLING

(545) N. EVELYN 100 E. Juanita; 1-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Architect—None. \$5000

DWELLING

(546) E. 22nd AVE. 175 N. Wawona; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr.
Architect—None. \$5000

DWELLING

(547) E. 15th AVE. 115 N. Ulloa; one-story and basement frame dwelling.
Owners—I. Michael and C. Bomerer, 762 De Haro St.
Architect—None. \$4000

DWELLING

(548) W. REY 75 S. Visitation; one-story and basement frame dwelling.
Owner—V. Nasl, 287 Arleta Ave.
Architect—None.
Contractor—H. Apte, 287 Arleta Ave. \$3000

DWELLINGS

(549) N. SEMINOLE 24 W. Cayuga; six 1-story and basement frame dwellings.
Owner—Stoneson Bros. & Thorinson, 279 Yerba Buena Ave.
Architect—C. F. Strothoff, 2274 15th Street. each \$3500

ALTERATIONS

(550) NO. 51 FIRST. Alter fifth floor of building.
Owner—N. K. Davis and American Trust Co., Trustee, 400 7th St., San Francisco.
Architect—E. B. Seely, 255 California St., San Francisco.
Contractor—E. Ellingson, 85 Liberty St., San Francisco. \$2000

RESIDENCE

(551) S. MARINA BLVD. E. Broderick St. Two-story and basement frame residence.
Owner—C. Marzo, 604 Montgomery St., San Francisco.
Architect—F. Hildebrand, 110 Sutter St., San Francisco.
Contractor—E. Swanson, 2000 Ulloa St., San Francisco. \$16,000

**Capital City Title
Company**
J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

ALTERATIONS

(552) NO. 816 MARKET. Alter store front and store.
Owner—Moss Stores, Inc., 814 Market St., San Francisco.
Contractor—Home Mfg. Co., Inc., 552 Brannan St., S. F. \$1255

DWELLING

(553) NW MORSE 205 NE Newton; one-story and basement frame dwelling.
Owner—J. Dall, 912 Geneva Ave.
Plans by D. E. Jackle, 744 Call Bldg. \$4000

DWELLING

(554) E. 24th AVE. 165 S. Ulloa; one-story and basement frame dwelling.
Owner—A. Halsen, 2427 25th Ave.
Architect—None. \$5000

ALTERATIONS

(555) 653 MISSION ST.; alterations to offices.
Owner—The Owl Drug Co., 611 Mission St.
Contractor and Designer—E. A. Duval, 207 Dalziel Bldg., Oakland. \$15,000

DWELLING

(556) E. SECOND AVE. 225 N. Anza; one-story and basement frame dwelling.
Owner—P. O'Donnell, 458 2nd Ave.
Architect—None. \$4000

RESIDENCE

(557) NW COR. SAN ALESO and Darien Way; two-story and basement frame residence.
Owner and Builder—G. W. Stanley, 467 Turk St.
Architect—T. Ford, 1435 Harrison St. \$10,000

DWELLINGS

(558) E. BAYWOOD 80 N. Geneva; three 1-story and basement frame dwellings.
Owner—M. Tosch, 5118 Mission St.
Architect—None.
Contractor—Ford Smith, % owner. each \$3000

DWELLING

(559) W. ALBERTA 250 N. Campbell; one-story and basement frame dwelling.
Owner—M. R. Richter, 1058 Ellis St.
Architect—None.
Contractor—W. Schroeder, 3639 Folsom St. \$1500

REPAIRS

(560) 1158 GEARY ST.; repair fire damage to shop.
Owner—Van Ness Realty Co., 40 Montgomery St.
Architect—None. \$1000

ALTERATIONS

(561) E. 46th AVE. 200 S. Balboa; alterations and additions to dwelling.
Owner—L. C. Richards, 212 Tara St.
Plans by owner. \$4500

ALTERATIONS

(562) 714 MISSION ST.; alterations to store.
Owner—Flood Estate, Flood Bldg.
Architect—None.
Contractor—J. E. Scully, 401 Phelan Bldg. \$1500

DWELLING
(563) S VIENNA 121 W Silver Ave.; one-story and basement frame dwelling.
Owner—W. P. Martinet, 2 Cotter St.
Plans by owner. \$3500

ALTERATIONS
(564) 230 BRANNAN ST.; alterations for boiler room and shop.
Owner—L. H. Tryon, De Young Bldg.
Architect—S. W. Curtis, 430 Natoma Street.
Contractor—E. A. Wallace, 508 Lar-kin St. \$2000

DWELLING
(565) SW SAN BRUNO and Olm-stead; one-story and basement frame dwelling.
Owner—P. Spitalara.
Architect—None.
Contractor—G. Carraro, 750 Felton St. \$4000

DWELLING
(566) 3242 SCOTT ST.; two-story frame stores and dwelling.
Owner—S. Manzani, 3242 Scott St.
Architect—None.
Contractor—P. Miller & Sons, 384 San Miguel. \$6125

REPAIRS
(567) 2781 HOWARD ST.; repair fire damage and remodel dwelling to two flats.
Owner—N. O'Brien, 355 Tehama St.
Architect—None.
Contractor—W. Horstmeyer, 31 Ord Street. \$3950

DWELLING
(568) N SANTA MARINA 80 E Pros-pect; one-story and basement frame dwelling.
Owners—A. J. and F. L. Peterson, 126 Cortland Ave.
Architect—None. \$3000

DWELLINGS
(569) NW MAJESTIC 225 NE Lake-view; two 1-story and basement frame dwellings.
Owner—A. R. Peterson, 1435 Church.
Architect—None. \$3500

STORES
(570) SW COR. 20th AVE and Tar-aval; one-story and basement frame stores.
Owner—P. H. Steele, 130 St. Elmo Way.
Architect—L. De Colmesnil, Nevada Bank Bldg. \$6500

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
85	Maffucci	Cappelletti	4200
86	Boyd	Barrett	48625
87	Goldman	Clinton	4100
88	Davis	Ellington	1635

(85) PALOU AVE. 125 E Lane.
Owners—Giovanni and Josephine Maf-fucci.
Architect—None.
Contractor—Daniel Cappelletti.
Filed May 1, 1930. Dated April 24, '30.
Roof on \$1050
Plaster finished 1050
Completed and accepted 1050
Usual 35 days 1050
TOTAL COST, \$4200
Limit, 90 days.

BUILDING
(86) S MARKET ST. 75 W 3rd W 50 x S 100; all work on building.
Owner—Alexander Boyd Estate.
Architects—Samuel L. Hyman and A. Appleton, 68 Post St.
Contractor—Barrett & Hilp, 918 Har-rlson St.
Filed May 2, '30. Dated Apr. 24, '30.
On 1st and 15th of each mo. 75%

Usual 35 days 25%
TOTAL COST, \$48,625
Bond, \$24,312.50. Sureties, Alb. Lach-man. Forfeit, \$50. Limit, 75 days af-ter May 1. Plans and Spec. filed.

LATHING, PLASTERING, ETC.
(87) JUDAH ST. Taraval and Great Highway; lathing, plastering, cast stone work for two public comfort stations.

Owner—City and County of San Fran-cisco, by B. Goldman.
Plans by City Engineer.
Contractor—Clinton Stephenson Const. Co., Monadnock Bldg.
Filed May 2, 1930. Dated 25%
Progress 75%
On completion 25%
TOTAL COST, \$4100
Bond, \$4100. Sureties, United States Fidelity & Guaranty Co.

ALTERATIONS
(88) NE FIRST 275 SE Market St SE 91-8 x NE 137-6; alterations and additions to 5th story of class C building.

Owner—N. K. Davis and American Trust Company.
Architect—Ed. B. Seely, 255 Califor-nia St.
Contractor—E. Ellington, 85 Liberty Street.
Filed May 5, 1930. Dated May 1, 1930.
Half completed \$613
Completed and accepted 613
Usual 35 days 409
TOTAL COST, \$1635
Bond, \$818. Sureties, G. Bremer and J. Piombo. Forfeit \$10. Limit, 20 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted
May 3, 1930—NW PRAGUE 100 NE Persia Ave NE 50 x NW 100. L Besio to whom it may concern May 2, 1930
May 3, 1930—SW BOSWORTH ST 170 NW Hamerton Ave NW 30 x SW 100. Wm R McKnight to whom it may concern May 2, 1930
May 3, 1930—56 NAVAJO ST. Wm E and J C Grosman to whom it may concern May 2, 1930
May 2, 1930—NW ARAGO 264 SW Paulding. E Allsebrook to whom it may concern May 2, 1930
May 2, 1930—LOT 9 BLK 5, map Crocker Amazon Tract. John Dall to whom it may concern April 30, 1930
May 2, 1930—E LYON 50 and 75 S Chestnut 25x83. Risdon Bros to whom it may concern May 2, 1930
May 2, 1930—N NORIEGA 82-6 E 19th Ave E 25 x N 100. Christian Andersen to whom it may concern May 1, 1930
May 1, 1930—LOT 2 BLK 2958 Lot 17 Blk 2901 E Sub No 4, Miraloma Park. Meyer Bros to whom it may concern April 30, 1930
May 1, 1930—LOTS 13 and 14 Blk 6971-A Sub No 1, Geneva Terrace. H & H Stoneson to whom it may concern April 26, 1930
April 30, 1930—S KIRKHAM 107-6 W 30th Ave 25x100. John W and Gertrude Rogers to whom it may concern April 28, 1930
April 30, 1930—E 16th AVE. 432-8 S Taraval 32-8 x 120. A Conrad Johnson to whom it may concern April 30, 1930
April 20, 1930—S KIRKHAM 107-6 W 30th Ave 25x100. J W and Q Rogers to whom it may concern April 28, 1930
April 30, 1930—LOTS 20 AND 21 Blk 24, Map of Lakeview. J Satmary to whom it may concern April 29, 1930
May 5, 1930—NW REDFIELD Alley and Taylor St. Nicola and Pietro

Figone to L Murer & Co May 5, 1930—NW REDFIELD Alley and Taylor St. Nicola and Pietro Figone to L Murer & Co May 5, 1930—W 21st Ave 100 N Lawton N 25 x W 120. Eric H Wiberg to whom it may concern May 2, 1930
May 5, 1930—N BUSH ST and W Battery St N 137-6 W 137-6 S 57-6 E 20 S 80 E 117-6. Shell Oil Co to Gunn, Carle & Co; Califor-nia Artistic Metal & Wire Co April 24, 1930
May 5, 1930—N BUSH ST and W Battery St N 137-6 W 137-6 S 57-6 E 20 S 80 E 117-6. Shell Oil Co to J W Bender as J W Bender Roofing & Paving Co April 23, 1930
May 5, 1930—SE MISSION 35 N Virginia Ave N 7 25 SE 133-6 PV 367. American Trust Co to Wm G and A Gilmour April 28, 1930

LIENS FILED

San Francisco County

Recorded Amount
April 30, 1930—S MONTEREY Blvd 110-05 E from pt inter S Mont-erey Blvd and E Balboa Terrace running S 2 deg 18 min W north with E Balboa Terrace 195-95 m or l to S line ppty now or form-erly of Westgate Park Co at pt dist thereon 10 E from SE corner lot of land conveyed by West-gate Park Co to Mathilde Schmidt W33 ealg S line 60 deg 2 deg 10 min E 205-544 to SE Monterey Blvd SW 60-799 to beg. Fred Rienecker ve Geo Barnett and Stuart C and Patricia Way \$732
April 30, 1930—SW PERSIA AVE 75 NW Prague NW 25 x SW 100. J D Lee, \$100; P J Rudenko, \$40; A Droblin, \$55, vs F C Frank and R N Gibson \$11
April 30, 1930—28 ALADDIN TER-rence E Taylor St E 22-6xN 45. R Poote (as Pioneer Electric Co) vs A Cipparrone and Metropolitan Bldg Co \$41
April 29, 1930—S MONTEREY Blvd 110-05 E from inter SE Monterey Ave and Balboa Terrace SW 195-95 m or l E 60 NE 205-544 to SE Monterey Blvd SW 60-799. Geo F Barnett vs Stuart C and Patricia Way \$853.90
May 5, 1930—N VASQUEZ AVE 80 W Laguna Honda Blvd Lot 3 Blk 32 Forest Hill. Gregory & Co, \$87-50; Richmond Elec Co, \$200, vs H W Armbrust, Antonio and Matilde Dutriz \$184
May 5, 1930—SW PERSIA AVE 75 NW Prague NW 25 x SW 100. The Light Shop vs R N Gibson and Floyd C Frank \$23
May 5, 1930—SW PERSIA AVE 50 NW Prague NW 25 x SW 100. The Light Shop vs R N Gibson and Floyd C Frank \$33
May 3, 1930—LOT 3 BLK 32 Map Blks 27 to 34 Forest Hill Exten. Oak Floor Co, \$425; Smith Lum-ber Co of San Francisco, \$54.79; J S Guerin and Stephen I Guerin as J S Guerin & Co, \$641.70, vs Antonio and Matilde de Dutriz and Harvey W Armbrust \$184
May 5, 1930—S 16th ST & NW Mar-cket St SW 156-14 N 100-74 E 117-84. M E Boyer vs Boyer and Sons vs A M Hughes \$1507.75
May 5, 1930—LOT 3 BLK 32, map Blks 27 to 34, Forest Hill Exten. Pacific Mill & Cabinet Co vs H W Armbrust, Antonio and Matilde Dutriz \$184
May 3, 1930—N VASQUEZ AVE 80 W Laguna Honda Blvd No 44 Vas-quez Ave. A Cook vs A A Dutriz and H W Armbrust \$100.90
May 3, 1930—N VASQUEZ AVE 80 W Laguna Honda Blvd No 44 Vas-quez Ave. Star Concrete Co vs

H W Armbrust, A Dutriz and M Dutriz\$178.45
 May 3, 1930—E 34th AVE 200 S Ulloa St S 25 x E 120. Geo Tusch vs R A and N Roche.....\$147.75
 May 2, 1930—SW PERSIA 75 NW Prague NW 25x100. D Vannucci vs F C Frank and R N Gibson.....\$115
 May 5, 1930—S MONTEREY BLVD 110-05 E Balboa Terrace SW 2 deg 16 min 195-95 E 60 N 2 deg 16 min SW 60-799. Pittsburg Water Heater Co of California vs S C and P Way and Geo F Barnett\$132

RELEASE OF LIENS

San Francisco County

Recorded Amount
 April 29, 1930—LOT 15 MAP RE- subdivision of Lots 4 and 5 Blk 12, Market St. Hd. Assn. California Constr Co to H H Judge\$183.50

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
553	Beateaux	Fox	1100
554	Hanson	Owner	3850
555	Hanson	Owner	3850
556	Martindale	Fox	6750
557	Benson	Swanson	3700
558	Benson	Swanson	4800
559	Flagg	Owner	4150
560	Hancock	Owner	3400
561	Keating	Owner	1000
562	Parr	Owner	25000
563	Felt	Owner	7500
564	Richfield	Dyer	2000
565	Brissey	Better	1500
566	Stevens	Stoddard	1000
567	Booth	Lelno	3000
568	Woolsey	Butterfield	1200
569	Saunders	Owner	8000
570	Alameda	Owner	4800
571	De Munck	Owner	5250
572	Falla	Anderson	4500
573	Murphy	Owner	6000
574	Beam	Cedarborg	41238
575	Durante	Jannson	1000
576	Easton	Cone	3500
577	Falkell	Hanson	10000
578	Loosen	Smith	2300
579	Manners	Johnson	3000
580	Merriman	Owner	4500
581	Steen	Independent	3000
582	Witter	Kurtz	58000
583	California	Littlefield	1000
584	Reas	aughn	1000
585	Smith	Fleming	6000
586	Soule	De Velbiss	1000
587	Annis	Owner	2500
588	Ashbridge	Troiel	2500
589	French	French	3250
590	Knight	Campbell	3600
591	McInnes	Owner	2000
592	McInnes	Owner	2000
593	Arbini	Cola	3650
594	MacGregor	Owner	3700
595	Bonds	Hooper	8000
596	Pacific	Thornally	4000
597	Training Sch	McCullough	15000
598	United	Home	2000

RESIDENCE
 (553) 2612 CHANNING WAY, Berkeley; one-story 3-room 1-family frame residence.
 Owner—Mrs. Beateaux.
 Architect—None.
 Contractor—Fox Bros., 1436 University Ave., Berkeley. \$100

DWELLING
 (554) 544 BLOSSOM WAY, San Leandro; six-room 1½-story frame and stucco dwelling.
 Owner and Builder—A. F. Hanson and Mumford.
 Architect—W. W. Dixon, 1844 5th Ave., Oakland. \$3850

DWELLING
 (555) 575 BLOSSOM WAY, San Le-

andro; six-room 1½-story frame and stucco dwelling.
 Owner and Builder—A. F. Hanson and Mumford.
 Architect—W. W. Dixon, 1844 5th Ave., Oakland. \$3850

RESIDENCE
 (556) 984 OXFORD ST., Berkeley; 3-story 6-room 1-family frame residence.
 Owner—W. Martindale.
 Contractor—Fox Bros., 1434 University Ave., Berkeley. \$6750

DWELLING
 (557) 7 W FORESTVILLE AVE. 75 S Tiffin Road, Oakland; one-story 6-room dwelling and 1-story garage.
 Owner—Martin Benson, 3933 Laguna Ave., Oakland.
 Architect—None.
 Contractor—A. W. Swanson, 3045 California St., Oakland. \$3700

DWELLING
 (558) N WALNUT ST. 50 E 56th Ave. Oakland; one-story 8-room 2-family dwelling.
 Owner—Martin Benson, 3933 Laguna Ave., Oakland.
 Architect—None.
 Contractor—A. W. Swanson, 3045 California St., Oakland. \$4800

DWELLING
 (559) 3451 GUIDO ST., Oakland; one-story 6-room dwelling and 1-story garage.
 Owner and Builder—John S. Flagg, 3221 Madeline St., Oakland.
 Architect—None. \$4150

ADDITION
 (560) 3837 PARK BLVD., Oakland; addition.
 Owner and Builder—J. E. Hancock, 3337 Park Blvd., Oakland.
 Architect—None. \$3400

DWELLING
 (561) 835 E 18th St., Oakland; one-story 3-room dwelling.
 Owner and Builder—Mrs. F. P. Keating, 835 E 18th St., Oakland.
 Architect—None. \$1000

REPAIRS
 (562) FOOT OF SEVENTH ST., Parr Terminal, Oakland; repairs.
 Owner & Builder—Parr Terminal Co., foot of 7th St., Oakland.
 Architect—None. \$25,000

RESIDENCE
 (563) 731 SPRUCE ST., Berkeley; 1-story 7-room 1-family frame residence.
 Owner and Builder—F. H. Felt, 2050 McGee Ave., Berkeley.
 Architect—W. H. Borges. \$7500

SERVICE STATION
 (564) 3000 SACRAMENTO ST., Berkeley; class C service station.
 Owner—Richfield Oil Co., 13th and Franklin Sts., Oakland.
 Architect—Dyer Const. Co., Ray Bldg., Oakland. \$2000

ALTERATIONS
 (565) 5035 TRASK ST., Oakland; alterations.
 Owner—F. L. Brissey, 5035 Trask St., Oakland.
 Architect—None.
 Contractor—Better Homes Corp., 2300 Mitchell St., Oakland. \$1500

REPAIRS
 (566) 1515 ALICE ST., Oakland; fire repairs.
 Owners—A. C. and M. W. Stevens, 1515 Alice St., Oakland.
 Architect—None.
 Contractor—A. Stoddard, 1515 Alice St., Oakland. \$1000

RESIDENCE
 (567) 1728 MILVIA ST., Berkeley; 1-story 5-room 1-family frame residence.
 Owner—W. F. Rooth.
 Architect—None.
 Contractor—Albin Lelno, 1328 Ordway Ave., Berkeley. \$3000

ALTERATIONS
 (568) 2164 SHATTUCK AVE., Berkeley; alterations.
 Owner—W. E. Woolsey, 52 Oakvale Ave., Berkeley.
 Architect—None.
 Contractor—F. P. Butterfield, 2438 Shattuck Ave., Berkeley. \$1200

DWELLING
 (569) S ROSEMOUNT ROAD 50 W Northvale, Oakland; two-story 8-room dwelling.
 Owner and Builder—F. Saunders, 1940 50th Ave., Oakland.
 Architect—W. W. Dixon, 1844 5th Ave., Oakland. \$8000

ALTERATIONS
 (570) SE WALNUT ST. AND CENTRAL AVE., Alameda. Alter Alameda High School.
 Owner—City of Alameda, City Hall, Alameda.
 Architect—None. \$4800

RESIDENCE
 (571) NO. 1708 BUENA AVE., Berkeley. One-story 5-room 1-family frame residence.
 Owner—W. H. De Munck, 410 Hudson St., Oakland.
 Architect—None. \$5250

722 NO. 1868 HARVARD DRIVE, DWELLING
 Alameda. One-story 5-room frame and stucco dwelling.
 Owner—Robert Falla, 1014 Doris Ct., Alameda.
 Architect—Walter H. Anderson, 1014 Doris Court, Alameda.
 Contractor—Walter H. Anderson, 1014 Doris Court, Alameda. \$4500

DWELLING
 (573) NO. 1726 MORELAND DRIVE, Alameda. One-story 7-room frame and stucco dwelling.
 Owner—J. E. Murphy, 514 23rd St., Oakland.
 Architect—None. \$6000

RESIDENCE
 (574) 7 MUIR AVE., Piedmont; two-story 14-room frame residence and garage.
 Owner—A. W. Beam.
 Architect—Albert Farr, 68 Post St., San Francisco.
 Contractor—A. Cedarborg, 1455 Excelsior Ave., Oakland. \$41,298

ADDITION
 (575) 1075 105th AVE., Oakland; addition.
 Owner—Martin Durante.
 Architect—None.
 Contractor—A. T. Jannson, 1341 106th Ave., Oakland. \$1000

ADDITION
 (576) 624 ATHOL AVE., Oakland; addition.
 Owner—E. C. Easton, 624 Athol Ave., Oakland.
 Architect—H. G. Brelm, 2817 Regent St., Oakland.
 Contractor—W. C. Cone, 1744 Broadway, Oakland. \$3500

RESIDENCE
 (577) 221 SANDRINGHAM RD. Piedmont; two-story 9-room frame residence and garage.
 Owner—H. C. Falkell, 800 Alma Ave., Oakland.
 Architect—J. H. Thomas, American Title Trust Bldg., Berkeley.
 Contractor—Louis O. Hansson, 1409 Bonita Ave., Berkeley. \$10,000

DWELLING

(578) 3971 WHITTLE AVE., Oakland; one-story 5-room concrete dwelling. Architect—None.
Owner—P. E. Loosen, 3926 Whittle Ave., Oakland.
Contractor—Geo. Smith, 2117 Woodbine Ave., Oakland. \$2300

DWELLING

(579) 524 KENILWORTH, San Leandro; 1½-story 5-room frame and stucco dwelling.
Owner—W. S. Manners, 512 Kenilworth San Leandro.
Plans by Mr. Johnson.
Contractor—H. E. Johnson, 644 Woodland, San Leandro. \$3000

DWELLING

(580) 790 CARY DRIVE, San Leandro; 1½-story 6-room frame and stucco dwelling.
Owner and Builder—J. Merriam, 2227 84th Ave., Oakland.
Architect—None. \$4500

SERVICE STATION

(581) SE COR. SEVENTH and Cypress, Oakland; one-story steel service station.
Owner—Mr. Steen.
Architect—None.
Contractor—Independent Iron Works, 1824 Chase St., Oakland. \$3000

RESIDENCE

(582) 52 GLEN ALPINE RD., Piedmont; two-story 31-room frame residence and garage.
Owner—Jean Witter, 116 Parkside Dr., Berkeley.
Architect—Williams and Wastell, 374 17th St., Oakland.
Contractor—P. A. Kurtz, 364 41st St., Oakland. \$58,000

ADDITION

(583) 1100 29th AVE., Oakland; addition.
Owner—California Packing Corp., 101 California St., San Francisco.
Architect—None.
Contractor—R. W. Littlefield, 337 17th St., Oakland. \$1000

ALTERATIONS

(584) 611 32nd St., Oakland; alterations.
Owner—A. J. Rossi, 611 32nd Street, Oakland.
Architect—None.
Contractor—Wiley T. Vaughn, 501 Weldon Ave., Oakland. \$1000

DWELLING

(585) S VICTOR AVE. 100 E Atlas, Oakland; two-story 7-room dwelling.
Owner—S. B. Smith, 2508 Humboldt Ave., Oakland.
Architect—None.
Contractor—John Fleming, 4261 Suter St., Oakland. \$6000

ALTERATIONS

(586) 1731 BROADWAY, Oakland; alterations.
Owner—E. P. Soule.
Architect—None.
Contractor—C. Dudley De Velbiss, 354 Hobart St., Oakland. \$1000

COTTAGE

(587) NO. 1076 MASONIC AVE., Albany. Five-room cottage and garage.
Owner—C. H. Annis.
Architect—None. \$2500

BUILDING

(588) NO. 533 KAINS AVE., Albany. Five-room concrete building.
Owner—H. L. Ashbridge, 531 Kains Ave., Albany.
Architect—A. E. Troiel, 2928 Ellis St., Berkeley.
Contractor—A. E. Troiel, 2928 Ellis St., Berkeley. \$2500

RESIDENCE

(589) NO. 522 CALUSA AVE., Berkeley. One-story 6-room 1-family frame residence.
Owner—Marie E. French, 1740 Walnut St., Berkeley.
Architect—None.
Contractor—O. M. French, 1740 Walnut St., Berkeley. \$3250

DWELLING

(590) NO. 639 SANTA FE AVE., Albany. Six-room dwelling.
Owner—Geo. T. Knight, 1585 Solano Ave., Albany.
Architect—None.
Contractor—A. L. Campbell, 1614 Solano Ave., Albany. \$3600

DWELLING

(591) NO. 940 ADAMS ST., Albany. Four-room dwelling.
Owner—Wm. K. McInnes, 578 62nd St., Oakland.
Architect—None.
Contractor—W. K. McInnes, 578 62nd St., Oakland. \$2000

DWELLING

(592) NO. 342 ADAMS ST., Albany. Four-room dwelling.
Owner—Wm. K. McInnes, 578 62nd St., Oakland.
Architect—None.
Contractor—W. K. McInnes, 578 62nd St., Oakland. \$2000

DWELLING

(593) NO. 801 EVELYN AVE., Albany. Five-room dwelling and garage.
Owner—F. Arblin, San Rafael.
Architect—None.
Contractor—P. Cola, 720 Evelyn Ave., Albany. \$3650

DWELLING

(594) NO. 1333 WASHINGTON AVE., Albany. Six-room dwelling and garage.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. \$3500

RESIDENCE

(595) 836 SPRUCE ST., Berkeley; 2-story 8-room 1-family frame and stucco residence.
Owner—P. Bonds, 2257 Virginia Ave., Berkeley.
Architect and Builder—W. H. Hooper, 732 Cragmont Ave., Berkeley. \$5000

ALTERATIONS

(596) 1519 FRANKLIN ST., Oakland; alterations.
Owner—Pacific T. & T. Co., 1519 Franklin St., Oakland.
Architect—None.
Contractor—W. G. Thornally, Builders' Exchange. \$4000

HOTEL

(597) 2335 HURST AVE., Berkeley; two-story 15-room frame and stucco hotel.
Owner—The Training School of the Pacific, 1820 Scenic Ave., Berkeley.
Architect—W. H. Ratcliff, Jr., American Trust Bldg., Berkeley.
Contractor—Charles McCullough, 1634 Berkeley Ave., Berkeley. \$18,000

ALTERATIONS

(598) SW COR. 15th and Franklin, Oakland; alterations.
Owner—United Realty Co.
Architect—None.
Contractor—Home Mfg. Co., 552 Branman St., San Francisco. \$2000

BUILDING CONTRACTS

Alameda County

No	Owner	Contractor	Am't.
70	Beam	Cederborg	41398
71	Falkell	Hansson	13009
72	Masonic	Mohr	14584
73	Caldow	Valladon	20000
74	Gage	Dyer	4800
75	Eligarten	Dyer	5450

RESIDENCE

(70) COR. MUIR and Lafayette Sts., Piedmont; general construction on 2-story and basement frame residence and garage.
Owner—A. W. Beam, Oakland.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Axel Cederborg, 1455 Excelsior Road, Oakland.
Filed May 1, '30. Dated April 25, '30.
1st of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$41,398
Forfeit, \$10 per day. Limit, 120 days

DWELLING

(71) LOT 56 Sandringham Road, St. James Wood, Piedmont; general construction on 8-room and double garage dwelling.
Owner—H. C. Falkell, Oakland.
Architect—John Hudson Thomas, Mercantile Trust Bldg., Berkeley.
Contractor—Louis O. Hansson, 1409 Bonita, Berkeley.
Filed April 30, '30. Dated Apr. 29, '30.
When frame is up.....\$3250
When brown coated.....3250
When accepted.....3250
Usual 35 days.....3250
TOTAL COST, \$13,000
Limit, 120 days. Plans and Spec. filed.

PAINTING AND CLEANING

(72) MASONIC HOME, near Decoto; painting and cleaning five-story and basement class A building.
Owner—Masonic Homes of California, Architect—Wm. Mosser Co., Nevada Bank Bldg., San Francisco.
Contractor—J. A. Mohr & Son 433 11th St., San Francisco.
Filed May 5, 1930. Dated May 2, 1930.
First of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$14,584
Bond, \$7292. Sureties, Globe Indemnity Co. Forfeit, \$50 per day. Limit, 35 days. Spec. filed.

FACTORY BLDG.

(73) SE EAST 14th ST. and 14th Ave., Oakland; general construction on 3-story sales and factory building.
Owner—Andrew Caldow, 1564 Market St., San Francisco.
Architect—Charles W. McCall, 1404 Franklin St., Oakland.
Contractor—Villadsen Bros., Inc., 417 Market St., San Francisco.
Filed May 5, 1930. Dated April 26, 1930
3rd and 15th of each month.....85%
Usual 35 days.....Balance
TOTAL COST, \$20,000
Bond, \$20,000. Sureties, Union Indemnity Co. Limit, July 6, 1930. Plans and Spec. filed.

SERVICE STATION

(74) SW ASHBY and Sacramento Sts., Berkeley; general construction on gasoline service station.
Owner—A. H. Gage, 2122 Shattuck Ave., Berkeley.
Architect—None.
Contractor—Dyer Const. Co., 1924 Broadway, Oakland.
Filed May 6, '30. Dated Apr. 30, '30.
On completion.....75%
Usual 35 days.....25%
TOTAL COST, \$4900
Limit, 30 days.

SERVICE STATION

(75) NE FIRST AVE. and East 12th St., Oakland; general construction on gasoline service station.

Owner—Dr. M. Elgarten, 174 41st St., Oakland.
 Architect—None.
 Contractor—Dyer Const. Co., 1924 Broadway, Oakland.
 Filed May 6, '30. Dated Apr. 18, '30.
 On completion 75%
 Usual 35 days 25%
TOTAL COST, \$545°

COMPLETION NOTICES

Alameda County

Recorded Accepted
 May 2, 1930—CROSLING of track at County Road No 397, Centerville. Southern Pacific Co to Hutchinson Company. April 30, 1930
 May 2, 1930—CROSLING of track at County Road No 397, Centerville. Southern Pacific Co to Hutchinson Company. April 28, 1930
 May 2, 1930—16th ST Station, Oakland. Southern Pacific Company to Hutchinson Co. April 30, 1930
 May 2, 1930—WEST OAKLAND Yard. Southern Pacific Co to Hutchinson Company. April 30, 1930
 May 2, 1930—302 24th ST, Oakland. Chas M Wiggin to whom it may concern. April 30, 1930
 May 1, 1930—SE DAVIS & HAYES Sts, San Leandro. Emma and Sylvian Godschalk, Hattie Fiegel to Chas D Vezay & Sons. April 26, 1930
 May 1, 1930—PTN LOTS 7 and 8 Blk D, Valley View Tract, Oakland. Pernellie Bassett to H Moe. April 30, 1930
 April 30, 1930—SW LAKE and Madison Sts, Oakland. United Finance Corp to Alex C Wieben assignee of S G Rankin. April 30, 1930
 April 30, 1930—LOT 7, East 14th St Terrace, Eden Twp. A E Pelton to Wm Prunner. April 30, 1930
 May 2, 1930—LOT 42 BLK 14, North Cragmont, Berkeley. Claire C La Velle to J Harry Smith. May 1, 1930
 May 3, 1930—NEWARK Substation, near Newark. Pacific Gas & Elec Co to C F Braun & Company. April 28, 1930
 May 3, 1930—CAMPUS of the University of California, Berkeley. The Regents of the University of California to Lannom Bros Mfg Co, Carl T Doell Co (two completions). April 30, 1930
 May 5, 1930—CAMPUS of the University of California, Berkeley. The Regents of the University of California to Marshall-Newell Supply Co; Forderer Cornice Works (two completions). April 29, 1930
 May 6, 1930—LOTS 7, 8 and 9 and ptn Lots 10 and 11, Blk 2, amended map of La Loma Park and Wheeler Tract, Berkeley. George D Blood to C H McCullough. May 2, 1930
 May 6, 1930—LOT 57 BLK 6 resub of a ptn of North Cragmont, Berkeley. Dorothy G Hooper to W H Hooper. May 5, 1930
 May 6, 1930—STATE HIGHWAY between Hayward and Niles, on ppty of Cosme Perez. Dept of Public Works, Division of Highways, State of California to Frank Perez. April 23, 1930
 May 6, 1930—STATE HIGHWAY between Hayward and Niles, on ppty of Della Fucci. Dept of Public Works, Division of Highways, State of California to Frank Perez. April 23, 1930
 May 6, 1930—1236 GILMAN Street, Berkeley. A H Gage to W E Lyons. May 2, 1930
 May 6, 1930—LOT 49 BLK 6, Thous-and Oaks Heights, Berkeley. H B Grose to whom it may concern. May 6, 1930
 May 5, 1930—MASONIC HOME, nr Decoto. Masonic Homes of Cali-

fornia to Wm G and A Gilmour. April 26, 1930
 May 5, 1930—1809 LAFAYETTE ST, Alameda. James H Dowling to Self. April 23, 1930
 May 5, 1930—E VALDEZ ST 59-5 ft S of 24th St, Oakland. Enterprise Hall Assn to whom it may concern. May 3, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
 April 30, 1930—LOT 3 BLK H, Cragmont Pines, Oakland. Rigney Tile Co vs Rose W Croninger, H H Schulz. \$358.25
 April 30, 1930—LOT 2 BLK D, Result of Blks C and D of Flint Tract, Oakland. James Eandi, \$333; J Wesley Wilkins & Son, \$52.50; Mastercraft Tile & Roofing Co, \$343.75, vs Ernest and Edna P Flores. \$44.40
 April 30, 1930—633 ALMA ST, Oakland. Bay City Asbestos Co, Inc vs H Hofvendahl, Sommarstrom Bros. \$14.40
 April 30, 1930—LOT 14 and Ptn Lot 13 and 15 Blk 1831, Leonard Tract Berkeley. Gladding, McBean and Co vs Clyde M Sage, H L Linnell. \$52.05
 May 3, 1930—LOT 61 Bellevue Gardens, San Leandro. T P Hogan Co vs R H Weeks, Weeks Const Co. \$234.63
 May 3, 1930—2047 CLINTON AVE, Alameda. H B Page vs Emil Ichters. \$410.40
 May 2, 1930—LOT 3 BLK M map of ppty of Homestead Assn, Alameda. Powell Bros vs Emil and Josephine Ichters, H Page. \$950.53
 May 2, 1930—LOT 3 BLK M map of ppty of Homestead Assn, Alameda. Powell Bros vs Emil and Josephine Ichters. \$376.65
 May 1, 1930—PTN LOT 3 BLK 6, map of the State University Homestead Assn No 3, Berkeley. H Miller vs J R Langtry, Robert C Thomas. \$30
 May 1, 1930—LOT 12 and ptn of Lot 13, Blk 11, map of land adj to Township of Encinal. A F Grabowski vs Mary and R H Buck. \$121.50
 May 1, 1930—2045 CLINTON AVE, Alameda. A F Grabowski vs Emil and Ichters. \$546.40
 May 5, 1930—LOTS 7, 8, and 9 and ptn Lots 10 and 11 Blk 2, amended map of La Loma Park and Wheeler Tract, Berkeley. Walsworth-California Co vs George D Blood, Nottingham Heating & Ventilating Co. \$226.36

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
 May 2, 1930—1606 EDITH ST, Berkeley. Eugene Ehret and W R Storck (Eugene Ehret & Co) to Mrs C S Wurback, W F Lathrop. \$339.25
 May 3, 1930—LOT 3 BLK H, Claremont Pines, Oakland. Inald Floor

Co to Rose W Croninger, H K Schulz. \$535
 May 1, 1930—LOT T BLK 2, map of Blk No 2, Claremont, Berkeley. Aladdin Heating Corp to Lindley H and Hazel F Miller, Walter S Leland, Walter S Leland Co. \$244.30
 April 30, 1930—NE DELAWARE ST and Shattuck Avenue, Berkeley. American Sheet Metal Shop, Inc to Alfred Olson, Annie Woodall, Richfield Oil Co of Calif. \$237

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$5000; Lot 9 Blk H, No. 1524 Palm Ave., San Mateo; owner, Harry Beanfort, 250 E St., San Mateo; contractor, Wallace Waterhouse, 23 11th Ave., San Mateo.
 RESIDENCE, \$5000; Lot 22 Blk 7, Bayshore Blvd., San Mateo; owner and contractor, Ashley Powers 515 S-Humboldt St., San Mateo.
 RESIDENCE, \$5500; Lot 76, No. 727 Idaho Ave., College Park, San Mateo; owner and contractor, W. S. Johnson.
 BUNGALOW, \$6000; Lot 70, No. 819 W. Idaho St., San Mateo; owner A. Girauldo; contractor, E. D. Soward.

BUILDING PERMITS

SAN JOSE

HOTEL, 10-story Class A, \$363,400; Santa Clara & Notre Dame St., San Jose; owner, Community Hotel Corp.; 15 W-Santa Clara St., San Jose; architect, W. H. Weeks, 111 Sutter St., San Francisco; 1735 Franklin St., Oakland, & Bank of Italy Bldg., San Jose; contractor, C. N. Swensen, 355 Stockton Ave., San Jose.
 RESIDENCES (2) 6-room frame, \$5900 and \$5600 respectively; Emory and Myrtle Sts., San Jose; owner, Ira Brotzman, 5 Garfield St., San Jose.
 RESIDENCE, 5-room frame, \$4000; N 17th St. near Taylor St., San Jose; owner, Lui Del Grande, General Delivery, San Jose; contractor, G. Caravaglia, 872 N-17th St., San Jose.
 ALTER brick and frame industrial building, \$15,000; Fourth St. at Empire St., San Jose; owner, Hunt Bros., 361 N-Fourth St., San Jose; contractor, P. J. Walkercos., Sharon Bldg., San Francisco.
 ALTER 1 family residence into 2-family residence (wood construction), \$1800; No. 46 Fox Ave., San Jose; owner, John Taylor, Frem. LOADING shed, fruit, wood and corrugated iron, \$2500; Lick St. near Humboldt St., San Jose; owner, San Jose Canning Co., Premises.
 SERVICE station, gas, steel & metal, \$1400; 13th and Santa Clara Sts., San Jose; owner, Associated Oil

Member Insurance Brokers' Exchange

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INSURANCE

490 GEARY STREET

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San Francisco

Co., 79 New Montgomery St., San Francisco.
RESIDENCE, 6-room frame, \$4500: \$1400; 13th and Santa Clara Sts., Jose; owner, David Freeland, Chular, Monterey Co.; contractor, Wm. O'Neil, 1500 McDaniel St., San Jose.
ALTER Class C business building, \$1000; No. 49 E-Santa Clara St., San Jose; lessee, G. E. Walsh, Premises; contractor, P. T. & H. C. Jorgensen, 330 S-Third St., San Jose.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
April 23, 1930—LOT 6 BLK 205, South Court, Addn., San Jose.	Ruth Evans Small to whom it may concern.....April 22, 1930
April 23, 1930—S. FORREST AVE 100 W Waverly St. W 150 S 100 E 100 S 30 E 50 N 220 ft. to beg Pt Lots 3 and 4 Blk 23, Palo Alto. William and Clara H Staller to whom it may concern.....April 23, 1930	April 23, 1930—N 99.79 FT. LOTS 3 and 4 Blk 32, Naglee Park Tract No. 1, San Jose. John O Lannin et al.....April 25, 1930
April 23, 1930—LOT 2 AND 6 FEET of rear 50 ft. of Lot 9 Blk 2, Evergreen Park, Palo Alto. L R Brother to whom it may concern.....April 19, 1930	April 23, 1930—LOT 21 BLK 8, Garden City Tract, San Jose. W H Besoecker to whom it may concern.....April 24, 1930
April 26, 1930—PTN LOTS 4 AND 5 Blk 2 R 3 N, San Jose. Slavonian-American Benevolent Society Hall Assn to whom it may concern.....April 25, 1930	April 26, 1930—SE LINE LAND OF Chilton 342 ft. NE Bird Ave., San Jose. Hilding C Wancke et al to whom it may concern.....April 26, 1930
April 26, 1930—LOT 8 BLK 1, Southgate, Palo Alto. Mary A Miller to whom it may concern.....April 25, 1930	April 26, 1930—LOT 11 BLK 37, Seale Addn No. 2, Palo Alto. Frances M Moore to whom it may concern.....April 24, 1930
April 26, 1930—LOT 8, Fuller Tract No. 4, San Jose. Charles R Fuller et al to whom it may concern.....April 24, 1930	April 28, 1930—LOT 39, Palmita Park, Mt. View. Earl D Minton to whom it may concern.....April 25, 1930
April 28, 1930—LOT 93, Studio Heights, San Jose. J. Wagner to whom it may concern.....April 20, 1930	April 29, 1930—LOT 7 BLK 123, Crescent Park No. 2, Palo Alto. W S Griscom to whom it may concern.....April 28, 1930
April 18, 1930—LOT 13 BLK 4, Montecitos. George S Kocher to whom it may concern.....April 16, 1930	April 19, 1930—LOT 39, Sierra Park, San Jose. Carl Maurer et al to whom it may concern.....April 17, 1930
April 19, 1930—LOT 11 BLK 1, Lincoln Gates, San Jose. Emma T Bennett to whom it may concern.....April 15, 1930	April 19, 1930—LOT 7 BLK 2, John R Chase Garden Villa Lots, San Jose. Iva M Wick et al to whom it may concern.....April 17, 1930
April 19, 1930—NE EDWARDS AV and Almaden Ave., San Jose. Frank D Russo to whom it may concern.....April 18, 1930	

April 19, 1930—SE PACHECO PASS and Canada Road, San Jose. F Silacci to whom it may concern.....April 15, 1930
 April 19, 1930—LOT 68, Stewart Addition No. 2 to Aldercroft Heights, San Jose. James May to whom it may concern.....April 16, 1930
 April 21, 1930—LOT 3 BLK 6, Vestal Subd., San Jose. Ben Mannina to whom it may concern.....April 21, 1930
 April 22, 1930—LOTS 2 AND 3 BLK 49, College Terrace, Palo Alto. Joseph A Gemur to whom it may concern.....April 16, 1930
 April 22, 1930—SW 50 FT. LOTS 47 to 51, Vendom Addn, San Jose. F O Nelson to whom it may concern.....April 21, 1930
 April 22, 1930—LOTS 10, 11 BLK 21, Vendome Park No. 4, San Jose. Charles A Mitchell to whom it may concern.....April 21, 1930
 April 22, 1930—LOT 13 BLK 117, Crescent Park, Palo Alto. Nillo Okerman to whom it may concern.....April 21, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
April 18, 1930—NW SANTA CLARA and San Pedro Sts., San Jose. J H McCollum, \$1409.52; Art Tile & Mantel Co, \$2250; O F Larson & Sons, \$195; California Steel Products Co, \$351.60 vs The Farmers Union.....\$392	
April 19, 1930—LOT 12 BLK C, Vista Grande Subd. No. 1, San Jose. Alfred Lindquist vs C E Henderson.....\$175	
April 19, 1930—NE BYRON 300 SE Kellogg SE 60xNE 112½ ft Pt, Lot 70 and All Lot 31 Blk —, San Jose. Merner Lumber Co vs Veterans' Welfare Board of State of California and Don F & Lucile M Clark.....\$175	
April 19, 1930—LOTS 9 & 10 BLK 14, Stanford City Subd, San Jose. Merner Lumber Co vs L G Baptist et al.....\$182.97	
April 19, 1930—NW SANTA CLARA and San Pedro Sts., San Jose. Concrete Engineering Co, Inc., \$1016.83; Borchers Bros, \$151.69; M Greenberg Sons, \$132.50 vs The Farmers Union.....\$779	
April 21, 1930—0.37 AC PT LOT 2 Duncon Partition, San Jose. Chas A Merritt & So, \$498.95; B H Painter, \$1229.20 vs Edward S Cooley et al.....\$17.50	
April 21, 1930—NW SANTA CLARA and San Pedro Sts., San Jose. Uhl Bros, \$180.69; Truscon Steel Co, \$1228.01; Spencer Elevator Co, \$1700; Kennerson Mfg Co, \$1083; Dwan & Co, \$— vs The Farmers Union.....\$17.50	
April 22, 1930—NW SANTA CLARA and San Pedro, San Jose. Jones Eros Asbestos Supply Co, Inc vs The Farmers Union.....\$17.50	
April 22, 1930—NO. 210-216 HOMER Ave (being Lots 22 to 25, Morris & Greenwood's Subd of Blk 9), Palo Alto. Frank H Jones vs W E Thompson.....\$17.50	
April 24, 1930—6.50 AC on cen line Fox Road 9.21 chs West Milpitas Road, San Jose. C L Snyder Co vs J J Reader et al.....\$201.85	
April 26, 1930—LOTS 46 AND 47 Blk B, Almaden Manor. Dolan Wrecking & Building Co vs California Pacific Title Insurance Co et al.....\$266.51	
April 26, 1930—20 AC LOT 8 and part LOT 7 B. D. Murphy Subd No. 1, also part Lots 6 and 7 B. D. Murphy Subd. also Lot 9, B.	

D. Murphy Subd, San Jose. Harold E Brown vs Jasper M Nelson et al.....\$1825
 April 28, 1930—N 50 ft. Lot 1 Blk 111, Crescent Park Subd, San Jose. B S Parkinson vs L H Price et al.....\$143
 April 28, 1930—LOT 8 BLK 7 R 5 S Snow & Pettet Addn, Mt. View. Glen Wilson vs Edith Haskell.....\$40.60
 April 29, 1930—LOT 8 BLK 2, Hevrin Subd., San Jose. William Ehrlert vs Herbert Hevrin.....\$80.93
 April 29, 1930—PART LOT 2, Francis Smith Subd., San Jose. Thos J Murray vs The First National Bank of San Jose.....\$333.90

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
April 18, 1930—LOT 14 BLK 6, Los Altos Park. E Gardner to Ward L Cronkite et al.....\$1825	
April 21, 1930—LOT 14 BLK 6, Los Alto Park. D & S Lumber Co to Ward L Cronkite et al.....\$1825	
April 29, 1930—LOT 30 BLK 2, Rose Lawn, San Jose. Hubbard & Carmichael Bros to Onisifor Savchenko.....\$1825	

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame & stucco, \$7200; No. 2105 Cowper St., Palo Alto; owner, Miller & Banker.
RESIDENCE, frame and rustic, \$15,000; No. 2175 Cowper St., Palo Alto; owner, John P Breeden, 251 Embarcadero St., Palo Alto; architect, J. R. Reichel, 1364 5th Ave., San Francisco; contractor, W. F. Klay, Menlo Oaks Drive, Menlo Park.

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$5700; Lot 12 Blk 34, Stanley Road, Burlingame; owner, Enrico Musso; contractor, Martin Peterson, 128 Lorton St., Burlingame.
BUNGALOW, \$5000; No. 13 Blk 31 Bayswater St., Burlingame; owner and contractor, Grove Pedersen, 709 Laurel Ave., Burlingame

BUILDING PERMITS

MARTINEZ

MASONIC Temple (steel, brick and stucco), \$30,000; Blk 39, Estudillo St., bet. Thompson and Mellus Sts., Martinez; owner, Masonic Temple, Martinez; architect, Russell G. De Lappe, 1710 Franklin St., Oakland.

BUILDING PERMITS

STOCKTON

REMODEL offices, \$3000; No. 21 S. San Joaquin St., Stockton; owner, J. M. Carr, Premises.
APARTMENTS, 3-story brick, \$40,000; No. 1203 N-Hunter St., Stockton; owner, Charles Marems; contractor, L. S. Peletz, 1660 W-Acacia Ave., Stockton.
STORAGE building, \$2500; No. 437 S-Stockton St., Stockton; owner, Newton Rutherford, 422 E-Jefferson St., Stockton; contractor, O. H. Chain, Bank of America Bldg., Stockton.

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

BUILDING
LOTS 7 AND 9 BLK 1, Cowell New-
horn Addition, Stockton. All
 work for two-story brick building
 Owner—F. D. E. S. M. Society.
 Architect—None.
 Contractor—F. E. Williamson, 1529
 W-Park Ave., Stockton
 Filed May 6, '30. Dated May 5, '30.
 TOTAL COST, \$11,748
 Bond, none. Limit, 60 working days.
 Forfeit, plans and specifications, none

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
 May 29, 1930—N 39.93 FT. LOT 20
 Blk 3-10, Stone's Addition from
 E end of Central Ave, Homestead
 Addition, Monterey. Neda J
 Kelly to Wm Daniels April 29, 1930
 April 30, 1930—S right-of-way of
 S. P. Co. as conveyed to said com-
 pany by Salinas Valley Ice Co be-
 lying that certain acre tract of
 land 40.99. Salinas Valley Ice Co
 to Bruce E Baird April 24, 1930
 May 1, 1930—LOT 13 BLK 23, Hal-
 ton Fields Tract No. 2, Monterey.
 John Kenneth and Adrienne Turner
 to William P Sweeney.....April 28, 1930
 May 2, 1930—LOT 14 BLK 260, Map
 of Pacific Grove Beach. Joseph
 E Colling to whom it may concern
 April 30, 1930
 May 2, 1930—LOT 7 BLK 2, Spazier
 Division Pacific Grove. Monterey
 Holding Co. M. Spazier, President
 to Monterey County Holding Co.
 May 1, 1930
 May 2, 1930—LOTS 13, 15 AND 17
 Blk 8, Withers Addition to City
 of Monterey. L A and Esther
 Montague to M P Murphy, Inc.....April 24, 1930
 May 3, 1930—LOT 12 BLK 17 Map
 of N ½ of Town of New Monterey.
 Manuel B Jr. and Isabel Solis to
 J C Anthony.....April 10, 1930
 May 5, 1930—LOTS 19 AND 12 BLK
 152, Carmel Woods. Grace Wal-
 lace to Ernest S Bixler.....May 1, 1930
 May 6, 1930—LOT 18 BLK 13 Map
 of F. S. Springs Addition to Sa-
 linas City. Ruby E Parsons to
 whom it may concern.....April 28, 1930

LIENS FILED

MONTEREY COUNTY

Recorded Amount
 May 1, 1930—LOTS 3, 4, 5, 6 AND
 7 Blk 113 Map of Partition in case
 of Pedro Zabala vs Amelia Greg-
 ory et al, Monterey. Chas M
 Bailey Co, vs Monterey Hospital
 Ltd frmlly Mission Hospital Co.....\$1050.81
 May 1, 1930—LOTS 3, 4, 5, 6 AND
 7 Blk 113, Map of Partition in case
 of Pedro Zabala vs Amelia Greg-
 ory et al, Monterey. Halloran &
 Pardee vs Nottingham Heating &
 Ventilating Co\$415
 May 1, 1930—LOTS 3, 4, 5, 6 AND
 7 Blk 113, Map of Partition in case
 of Pedro Zabala vs Amelia Greg-
 ory et al, Monterey. Boiler Tank
 & Pipe Co vs Mission Hospital,
 Ltd, Inc. and H H Larson Co.....\$144
 May 2, 1930—LOTS 2 AND 4 BLK
 109, Map of Pacific Grove Retreat
 Union Supply Co vs Harry and
 Camilla Leach.....\$537.17
 May 2, 1930—LOTS 3, 4, 5, 6 AND
 7 Blk 113, Map of Partition in case
 of Pedro Zabala vs Amelia Greg-
 ory et al, Monterey. C U Mar-

tin, \$149.25; Walworth California
 Co, \$1794.81 vs I H Larsen, R V
 Larsen, H H Larsen Co, George
 M Frisbie and Mintie Frisbie;
 Nottingham Heating & Ventilating
 Co, Monterey Hospital Ltd, frmlly
 Mission Hospital Co.....\$4280.50
 May 2, 1930—COR. HARTWELL
 and Webster Sts., Monterey.
 George M and Mintie Frisbie, Not-
 tingham Heating & Ventilating Co
 vs Mission Hospital Corp and H H
 Larsen\$169.99
 May 2, 1930—LOTS 3, 4, 5, 6 AND 7
 Blk 113, Map of Partition in case
 of Pedro Zabala vs Amelia Greg-
 ory et al, Monterey. Plant Rubber
 & Asbestos Works vs Monterey
 Hospital Ltd, frmlly Mission
 Hospital Co and Nottingham
 Heating & Ventilating Co.....\$553
 May 6, 1930—LOTS 3, 4, 5, 6 AND 7
 Blk 112, Map of Partition in case
 of Pedro Zabala vs Amelia Greg-
 ory et al. Crane Co vs I H Lar-
 sen; I V Larsen; H H Larsen Co;
 George M and Mintie Frisbie;
 Nottingham Heating & Ventilating
 Co, Monterey Hospital Ltd., frmlly
 known as Mission Hospital
 Co\$169.99
 May 6, 1930—LOTS 2 AND 4 BLK
 109 Third Addition to Pacific
 Grove. George D and Victor H
 Patrick (Patrick the Plumber) vs
 Harry and Camilla Leach\$149

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
 April 30, 1930—MOSSDALE. Dept.
 Public Works, Div of Highways,
 by R E Pierce, to Eddy Elec Co.....April 26, 1930
 May 2, 1930—LOT 12 BLK 4, Lo-
 mita Park, Stockton. A C Dahl
 to whom it may concern.....May 1, 1930
 May 2, 1930—PORTION SECTION
 3 Township 4, N Range 5 East
 containing 10.76 acres, Stockton.
 Hammon Estate Co to Lindgren
 & Swinerton April 26, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
 April 30, 1930—LOT 9 BLK 36, City
 of Tracy. Good Lumber Co vs
 Jessie M Green\$194

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
 April 29, 1930—SAN ANSELMO. W
 Fred and Ruby Krelle to Corne-
 lius Van Vuren March 25, 1930

RELEASE OF LIENS

MARIN COUNTY

Recorded Accepted
 April 30, 1930—MILL VALLEY.
 Harry J Guise to George M Han-
 sen and Ann L Coddington.....
 May 1, 1930—TIBURON TWP. Dolan
 Bros Lumber Co to Manuel
 Bishop and Harry Kidd.....

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 6-room, \$6500; No. 531
 35th St., Sacramento; owner and
 contractor, A. G. Hackett, 1013
 Eighth St., Sacramento.

APARTMENTS (35 rooms), \$22,000;
 No. 1413-1415 G St., Sacramento;
 owner and contractor, Hark &
 Mackrell, 1705 M St., Sacramento
 BUSINESS building, brick, \$4225; No.
 1316 4th St., Sacramento; owner,
 J. Y. Chikuda; contractor, Jos.
 Corey, 2921 Y St., Sacramento;
 BUSINESS building, \$3500; No. 3355
 2nd Ave., Sacramento; owner,
 Joseph Reichmuth, 3424 I St.,
 Sacramento; contractor, Jay D.
 Haworth.
 RESIDENCE, 7-room, \$9000; No. 1034
 46th St., Sacramento; owner, F.
 A. Reichert, 2211 23rd St., Sacra-
 mento; contractor, N. H. Lund,
 3300 Cutter St., Sacramento.
 REPAIRS, general, \$2875; No. 1026
 Tenth St., Sacramento; owner,
 United Stores Realty Co., Prem.;
 contractor, C. Vanina, 2022 M
 St., Sacramento.
 REPAIRS, general, \$4000; No. 710 L
 St., Sacramento; owner, Pick-
 wick Stenge System, 7th and L
 Sts., Sacramento; contractor,
 Wieland Bros.

RESIDENCE, 5-room, \$5000; 331 Santa
 Ynez Way; owner, C. H. Thomas.
 REPAIRS, general, \$1000; 1310 17th
 St.; owner, Bertha Thompson, 1310
 17th St., Sacramento.
 REPAIRS, general, \$1000; 1000 K St.;
 owner, Hart Bros., premises; con-
 tractor, H. Auslander, 1500 15th
 St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
 May 3, 1930—S 60 FT. OF E ½ LOT
 3, P. Q. 26th and 27th Sts and S
 60 ft. Lot 40, O. P. 26th and 27th
 Sts., Sacramento. Evangelical
 Lutheran Trinity Congregation to
 whom it may concern.....May 1, 1930
 May 2, 1930—LOT 23, Ridge Park
 Tract, Sacramento. Bowen &
 McMahon to whom it may concern.....May 1, 1930
 May 2, 1930—LOT 26, Harding Place
 Sacramento. A S Hackett
 to whom it may concern.....May 2, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
 April 30, 1930—LOT 57, Beyerford
 Heights, Sacramento. H P
 Fischer (as H P Fischer Tile &
 Marble Co vs Thomas and Eva
 M McMahon\$94
 April 29, 1930—LOTS 8 and all lots
 9 and 10, G. H. 12th and 13th Sts.
 Capital Sand & Gravel Co vs J J
 O'Connor & Co, Buffalo Brewing
 Company\$1731.50
 May 1, 1930—PARCEL 6 RESUB. OF
 W ½ Lot 18, Wright Tract (as
 824 El Dorado St.), Sacramento.
 Dolan Eidge Material Co vs Agnes
 and George Morris\$619.25
 May 1, 1930—PARCEL NO. 7, RE-
 sub of W ½ Lot 18, Wright Tract
 825 53rd St., Sacramento. Dolan
 Eidge Material Co vs Agnes and
 George Morris\$619.24
 May 2, 1930—LOT 54, Beyerford
 Heights, Sacramento. H C Heck-
 er vs James Robert Estes and
 Elbert Smith\$86.75
 May 2, 1930—LOT 54, Beyerford
 Heights, Sacramento. General
 Supply Co Inc vs James and
 Maude J. Estes\$789.76

BUILDING PERMITS

FRESNO

DWELLING and garage, \$6850; No. 1005 Vagades Ave., Fresno; owner and contractor, Taylor & Wheeler, Inc., Power Co. Bldg., Fresno.

DWELLING, \$3800; No. 3350 Mono St., Fresno; owner, George Schabender; contractor, Jack Sommers.

STORE, \$1250; No. 1702 F St., Fresno; owner, M. P. Gentry, 364 Effie St., Fresno.

DWELLING, \$8500; 502 Terrace Ave.; owner, Taylor-Wheeler, Inc., Power Bldg., Fresno.

ALTERATIONS and additions, \$3000; Calaveras and University; owner, T. H. Manning, premises; contractor, J. A. Manning, 846 Franklin, Fresno.

DWELLING, \$3000; 181 Cambridge; owner, A. F. Lambert, 1576 Poplar St., Fresno.

DWELLING, \$1900; No. 227 Amador St., Fresno; owner, A. Gabriel, 222 Amador St., Fresno; contractor, J. F. Medearis, 527 San Pablo Ave., Fresno.

GARAGE, \$1000; No. 1319-21 Tulare St., Fresno; owner, Leu Yuen; contractor, Fisher & McNulty, Mattei Bldg., Fresno.

ALTERATIONS and additions, \$1500; No. 1254 Fulton St., Fresno; owner, Cookies Music Shop, Prem. contractor, E. J. Farr & Son.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
April 29, 1930—LOT 14 W Fresno Terrae, Louis Ricci to whom it may concern.....	April 25, 1930
May 1, 1930—SE ¼ OF SE ¼ of Section 27, 12-13, Fresno. M H Volk to Ray Stahl.....	April 25, 1930
May 2, 1930—LOTS 1, 2 AND 3 BLK A, Terry Terrace, Fresno. Jacob A Krajan to J C Golden.....	May 4, 1930

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on May 28, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of projects of State Highway, as follows: Lassen and Modoc Counties, between Hillside and Alturas (11-Las, Mod-28-A,B), about fifty-seven and two-tenths (57.2) miles in length heavy fuel oil to be furnished and applied as dust layer.

Shasta County, between Tower House and Greenhorn (11-Sha-20-A), about five and two-tenths (5.2) miles in length; between Ashers and Montgomery Creek (11-Sha-28-B), about twelve and three-tenths (12.3) miles in length; between Haynes Ranch and Fall River (11-Sha-28-D), about twenty-four and one-tenth (24.1) miles in length; Trinity County, between Grass Valley Creek and Westerville, (11-Tri-20-A,B), about seventeen and one-tenth (17.1) miles in

length; a total of about fifty-eight and seven-tenths (58.7) miles in length, heavy fuel oil to be furnished and applied to the roadbed.

Monterey County, a bridge across Salinas River at Bradley (V-Mon-2-b), consisting of six 140-foot steel deck truss spans, with concrete deck, on concrete piers with pile foundations and eighteen 45-foot reinforced concrete girder spans on concrete bents with pile foundations.

Riverside County, between White-water River Bridge and Indio (VII-Riv-26-D,E), about twenty-nine (29) miles in length, heavy fuel oil to be furnished and applied to the shoulders.

San Bernardino County, between Cronese and the easterly boundary (VIII-SBD-31-J,K,L,M,N and P) about seventy-one and eight-tenths (71.8) miles in length, heavy fuel oil to be furnished and applied as dust layer.

San Joaquin County, between South Santa Road and East Santa Road (X-S-J-5-B), about one and nine-tenths (1.9) miles in length to be graded and paved with asphalt concrete.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 44, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineer's offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer

Dated April 30, 1930.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by the DIVISION OF WATER RESOURCES, Department of Public Works, at Room 410, State Office Building, Tenth and L Streets, Sacramento, California, until 2 o'clock P. M. on June 5, 1930, at which time

they will be publicly opened and read, for the construction of a rock jetty or dyke 170 feet long and containing approximately 2,000 cubic yards of quarry rock, at the mouth of the Navarro River in Mendocino County, 20 miles south of Fort Bragg.

Specifications, form of proposal and detailed information may be obtained at the above address. Each bid shall be on the form provided, and shall be accompanied by a certified check for not less than 10 per cent of the total amount of the bid. Sealed proposals must be addressed to R. L. Jones, deputy in charge of flood control and reclamation, at the above address. The Department of Public Works reserves the right to reject any or all bids, or to accept the bid deemed for the best interests of the State.

Department of Public Works
DIVISION OF WATER RESOURCES
EDWARD HYATT,
State Engineer.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by the DIVISION OF WATER RESOURCES, Department of Public Works, at Room 410, State Office Building, Tenth and L Streets, Sacramento, California, until two o'clock P. M. on June 5, 1930, at which time they will be publicly opened and read, for the construction of bank protection works on the left bank of the Sacramento river one mile below Isleton, consisting of approximately 8,000 cu. yds. of sand fill and 21,000 sq. ft. of 4 inch concrete pavement.

Specifications, form of proposal and detailed information may be obtained at the above address. Each bid shall be on the form provided, and shall be accompanied by a certified check for not less than 10 per cent of the total amount of the bid. Sealed proposals must be addressed to R. L. Jones, deputy in charge of flood control and reclamation, at the above address. The Department of Public Works reserves the right to reject any or all bids, or to accept the bid deemed for the best interests of the State.

Department of Public Works
DIVISION OF WATER RESOURCES
EDWARD HYATT,
State Engineer.

PACIFIC CLAY PRODUCTS IN
EXPANSION PROGRAM

Directors of the Pacific Clay Products Company, according to word from Los Angeles, have approved the immediate expenditure of approximately \$250,000 in a program for improvements and additions to its main sewer pipe plant at Los Nietos, near Santa Fe Springs.

As a part of its expansion program Pacific Clay will abandon its Slauson Avenue plant in Los Angeles and plans to subdivide that six-acre tract in the near future for smaller industrial enterprises.

While immediate subdivision of this tract is unlikely, in view of the present real estate market, proceeds from the sale of this land when received will be used to retire the company's funded indebtedness of \$218,500.

The expenditure of approximately a quarter of a million dollars at Los Nietos will increase the present manufacturing capacity by 33 per cent and in addition will provide the manufacture of building tile and roofing tile.

CO-OPERATION PAYS

Sniff—I hear you took a long auto trip with Sandy MacTight. Who paid traveling expenses?

Bjones—Well, we split 50-50. I furnished gas and oil while Sandy saw to the air and water.

BUILDING *and* ENGINEERING NEWS

Subscription Office
14 Mission Street

SAN FRANCISCO, CALIF., MAY 17, 1930

Thirtieth Year, No. 20
Published Every Saturday



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., MAY 17, 1930

Thirtieth Year, No. 20

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone GA 8741 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

1083 ENGINEERS APPLY FOR STATE LICENSES

In his report to the Governor's Council at its meeting in Sacramento April 30, James F. Collins, director of the State Department of Professional and Vocational Standards, stated that 1083 applications for licenses had been received from engineers up to April 19. Approximately 4500 application blanks and other printed matter for information of engineers regarding the new state license law have been mailed to persons listed as engineers, according to Secretary Givan. It is estimated that 3000 civil engineers will ultimately be licensed by the state.

Five new licenses were issued to architects in the Southern District during March, bringing the total of licenses up to 711. Director Collins stated in his report, "Investigations numbered three and at the close of the period there were three investigations pending. Conviction was obtained in one case under prosecution. The board's campaign against unlicensed persons and firms who, through the wording of their advertising, hold themselves out to the public as architects, culminated in the prosecution of a firm in Long Beach. The defendants were convicted and were given a suspended sentence of 30 days in jail."

Three licenses were issued to architects in the Northern District during March, making the total number of licenses 513.

Reporting on the operations of the Section of Contractors' Registrations, Director Collins said: "The investigation work of the section showed an increase in March, 1930, over the preceding period as the result of an increasing number of complaints filed against licensees operating under the contractors' registration law. The procedure followed in conducting investigations and holding first hearings or conferences continues to prove highly satisfactory from a standpoint of results obtained."

"All complaints filed with the section are receiving prompt attention and, where necessary, are brought as speedily as careful investigation will permit to the conference stage. The manner in which complaints have been handled and adjusted has brought many compliments and has tended to accelerate the registration and licensing of contractors."

HIRE AN ARCHITECT!

Someone once asked Andrew Carnegie the reason for his phenomenal success. The Laird of Skibo Castle's eyes glinted as only the Carnegie eyes had the faculty of doing. His smile was a triple grin.

"I have always been able to get men to work for me who know more than I do," he replied.

There's a tip there for the prospective builder who usually is a construction novice.

Engage an architect to do the job for you.

PROTESTS PLUMBING CODE REVISIONS

A protest against the new amendments to the city's plumbing ordinance, recently passed to print by the Oakland city council, has been received by the council from the Master Plumbers' Association, which asserts that the plumbing ordinance is "ambiguous," and "is not being enforced uniformly and impartially." The protest, signed by President J. M. Campbell of the association added that the introduction of this ordinance had resulted in "a split in the previously harmonious ranks of the plumbers, who are now in opposing camps."

The protest was referred to Commissioner Frank Colbourn for an investigation and report. Colbourn asserted that the ordinance was the result of long study, with the assistance of many of the leading plumbers and gas-appliance companies in the city. He added that there has been considerable disagreement as to the ordinance, although it was finally adopted at what seemed to be the desire of the majority of those concerned. Colbourn added that the ordinance can be further amended if necessary, and an investigation of the whole matter will be started again by his department.

Final passage of the ordinance, he said, can be postponed as long as is necessary.

MERCED POTTERY PLANT NOW IN NEW HANDS

Merced capital has assumed complete control of the California Pottery Company's plant, according to word from that city. Plans are now under way to resume manufacturing activities. It is announced by F. B. Fancher, manager of the Merced branch of the Bank of Italy. The consideration involved in the transaction was not announced.

F. O. Costello of Oakland, who formerly held a controlling interest in the Merced plant, is no longer connected with the new company. Costello will continue his association with the Oak, land plant of the California Pottery Company, which is no longer connected with the Merced plant.

Officers of the new company are: A. C. Fancher, president; W. E. Bedesen, vice president; J. R. Flynn, secretary, and F. B. Fancher, treasurer. Employment will be given approximately 40 men when manufacture of pottery and tile is resumed, Fancher said. It is expected that management of the plant will be the same as formerly.

URGES COURTHOUSE BONDS

Building Trades Council of Alameda County has forwarded a resolution to the Alameda County Supervisors urging a bond issue to secure funds to finance erection of a new county courthouse to replace the present structure in lower Broadway.

SAN FRANCISCO BUILDING IN APRIL SUMMARIZED

Following segregation of April, 1930, building permits is compiled by John B. Leonard, superintendent of the Bureau of Building Inspection, San Francisco Department of Public Works:

	No. of Bldgs.	Cost	Families
1-family dwlgs.....	103	\$486,702	103
2-family dwlgs.....	5	38,000	10
Multi-fmly (3 or m).....	5	131,000	79
Other non-house-keeping dwlgs	1	59,374	
Total	114	\$715,076	192
Non-Residential			
Amusement and Recreation places.....	1	\$ 300	
Factories, etc.	1	75,289	
Garages (private)	13	4,995	
Gas & serv. stations ..	8	9,845	
Office bldgs. (banks) ..	2	76,500	
Sheds, etc.	5	4,075	
Stores & other mercantile bldgs.	2	10,500	
Total	32	\$181,504	
Alterations — house-keeping dwlgs.	205	\$120,985	
Non-housekeeping dwellings	8	18,525	
Non-residential bldgs.....	104	288,908	
Total	317	\$428,418	
Installation permits.....	124	\$ 31,655	

BRIDGE DESIGN AWARDS ARE ANNOUNCED

Supplementing the bridge design competition recently held among architectural students, the American Institute of Steel Construction has awarded three cash prizes and one honorable mention to four engineering students for aesthetic designs of a steel arch bridge. The first prize of \$500 was awarded to John Heckerthorn of the University of Idaho; the second prize of \$250 went to J. Hoogstraaten of the University of Manitoba, whereas the third prize of \$100 was awarded to William Neissen of Drexel Institute. Honorable mention was given to J. B. Striowski of the University of Manitoba whose design nearly tied for the third prize-winner.

The judges were Messrs. Gustav Lindenthal of Jersey City; J. E. Greiner of Baltimore, and O. H. Ammann of New York, consulting engineers; and Messrs. Theodore E. Blake of New York, and Stephen F. Voorhees of New York, architects.

The problem called for the design of a steel bridge of 650 feet total length and with a main span of 325 feet, to be erected over a river separating a suburban residential section from an industrial city.

QUANTITY SURVEY ON PUBLIC WORK ADVOCATED BY ENGINEER

The subjects for the deliberations of this meeting are matters of considerable interest to me as an engineer. While quantity surveying as a branch of the engineering profession may be a modern development a need for such I understand your theory rightly, it establishes the underlying motive of the business between the man who is to pay for certain work and the man who is going to do the work; thus, that the man paying for the work shall pay for exactly what is done and no more, and that the man who does the work shall be paid for work actually accomplished and no less.

Eliminates Guesswork

This is accomplished in my departmental work, particularly in the construction of streets and sewers, because this work is of such nature that we may let contracts at unit prices based on fairly close preliminary surveys. After the job is done, then comes the real quantity survey; that is, a survey of what has actually been accomplished. Under that method, of course, the City pays for what is done and no more and the contractors is paid for exactly what he does and no less.

This is a sound basis of fairness between the owner and the contractor. It takes all of the guess work out of the job and I may say along that line that whenever you can eliminate any guess work you are saving money for both parties concerned. Let me illustrate how far we go in St. Louis in our endeavor to eliminate guess work from the contractor's bidding.

We are constructing here what is doubtless the largest sewer in the world and one section of it was so located that there was very considerable hazard to the work due to flooding. It was quite certain that during its progress, damage would be done to the work by floods from streams. Also that during the course of the work there would be two, three or four times when a large amount of material from upstream would be washed in on this section of the work and require removal. How often these contingencies would arise could only be guessed at. If a contractor were asked to guess on these items and guarantee to meet the costs thereof he surely would, if he were a sound bidder, figure high enough to cover the maximum amount of trouble he might anticipate. Under these conditions the City doubtless would have paid for one or two floods which never happened.

Takes Out Gamble On Contracts

It is bad business, in my opinion, to gamble on a contract and so, in the case referred to, the contract provided that the contractor should do a definite amount of work embraced in a completed structure and the City would meet the cost of the flood contingencies if and when they might occur. I know you will agree that such a procedure was fair between the contractor and the City. It would have cost the City far more for that job if we had undertaken to require somebody to gamble on it and back up that gamble with a bond.

Owner Pays Overhead

If dealings between the owner and the contractor are based on exact knowledge you are cutting out waste. I understand that to be the underlying principle of your branch of the engineering profession. Might I mention another type of waste and illus-

(Address of E. R. Kinsey, President, St. Louis Board of Public Service, at the Fifth Annual Convention of the American Institute of Quantity Surveyors, St. Louis, Mo., April 14-16.)

trate it with the statement that recently I received bids on a very large job on which we had twelve bidders. It cost each one of these bidders over twelve to fifteen hundred dollars to figure the job. There is a total cost, we will say, of \$15,000 spent just in figuring. One man got the job and the rest have nothing to show for their expense. Of course, all this expense reappears in the next job and it must necessarily reappear until recovered, if the contractor is to remain in business.

I am quite sure also that the contractor who got our job included in his overhead expense a proportion of the money lost in figuring on dozens of other jobs which he did not get. All that waste of a dozen men doing the same thing at the same time costs money, and the money comes out of the pocket of the ultimate consumer. Any organized efforts to eliminate that waste is economically sound.

Hasty Estimates Costly

May I mention another element of waste, remembering that the average contractor may figure at least a dozen jobs for each one he gets. Some figures are hastily assembled as he cannot afford to spend sufficient time on each separate job to figure it as closely as an expert might. Now, what is the result if he does not figure closely. Either he figures too high, in which event the owner pays too much, or else he will omit what should have been figured in, in which event he does some work that he is not paid for.

Now, that is not good business for either side. There is no satisfaction for the engineer in charge in handling a losing contract. A sound business basis between the owner and the contractor is one wherein the owner pays for exactly what he gets and no more, and the contractor is paid for everything he does and no less. Thus, everybody is treated fairly and the work is accomplished at the least reasonable cost to the owner.

So I am interested in the kind of work you are doing. It is sound. It is developing a sound method of doing business and eliminating waste.

Quantity Survey Ancient

Earlier in my remarks I think I said that the need for quantity surveying was a very ancient one. May I tell you a story of what I had in mind? There is a very interesting book, "Pontinus on the Water Supply of Rome," translated by Clemens Herschel. Mr. Herschel was a very eminent hydraulic engineer. Among other things he is the inventor of the Venturi Meter, used the world over. I had the pleasure of working for him for a while, a good many years ago. One of his hobbies was research in ancient engineering and he discovered in Rome in a monastery the original manuscript of some notes by Pontinus, the engineer, dated A. D. 97. From these notes Mr. Herschel translated the interesting story so that people in general would know what contractors and engineers have been about for a long time. Pontinus was building an aqueduct tunnel through a hill and he commenced the work by

starting on both sides, which makes it evident that Pontinus was a pretty good engineer. Apparently the work was let on a unit price basis, and the unit prices were highly satisfactory to the contractor. As the story goes, Caesar went off on one of his military expeditions and took Pontinus with him as a military engineer. Pontinus thereupon was compelled to leave the tunnel work in charge of a young assistant engineer. The war kept him away from the job longer than he expected and as soon as he returned to Rome he hastened out to see how the job was getting along. There he found a very much worried engineer. The two headings had not met although the young engineer thought they should have met months ago. Pontinus made an investigation and discovered that the "foxy" contractor had so changed the alignment that the two tunnels passed each other and, as Pontinus remarked, if he had remained away six months longer they would have had two tunnels instead of one. The point is that if he had left with the young engineer a good quantity survey of the job the young man would have known that there was something wrong much earlier than he did.

PORTLAND STEEL WORKERS GET WAGE INCREASE

The wage-adjustment decision recently handed down by the arbitration committee of the building trades of Portland, Oregon, makes allowance for the date of bona fide commitments made by contractors in bidding on work. The structural and ornamental iron workers wage is increased from \$10 to \$11 per day after May 1, but this increase does not apply to jobs bid on prior to April 15. A wage increase from \$8.80 to \$9 was granted reinforcement steel workers subject to the same conditions. After May 1 all overtime for the latter mentioned type of mechanic will be double time instead of the former rate which allowed only time and one-half for the first two hours.

The committee's award has been accepted by all concerned. The committee is composed of representatives of the Building Construction Employers Association and the Building Trades Council of Portland, Oregon.

LOS ANGELES BUILDERS START PUBLICITY CAMPAIGN

Contractors' associations and other agencies interested in construction are conducting a "Now Is The Time To Build" campaign in the Los Angeles area through the mediums of newspapers, radio stations and local magazines. It is pointed out to the public that prices of construction materials show an average reduction of 35 per cent under prices of five years ago and an average of 60 per cent under prices of 1923. Cement, lumber, brick, and rock and sand, the most necessary elements in construction, are all 40 or 45 per cent under 1925 prices.

Suggestions to newspapers and other publicity mediums include the fact that labor, although obtaining practically the same wages as previously, is much more efficient as present than at times when work is not scarce.

"STOP NOTICES" TO SECURE PAYMENTS ON PUBLIC PROJECTS

(By Harry C. Westover, Attorney-at-Law)

This is the ninth of a series of articles prepared especially for these columns by Harry C. Westover, attorney of Santa Ana, Calif., on the Mechanics' Lien Law. Other articles will appear from time to time.—Editor.

It is impossible to file liens on public property or public work. The filing of liens on such work has repeatedly been held to be contrary to public policy. Public debts can be paid in one way; i. e., by public taxation. The revenue obtained by taxation are divided into specific funds and one furnishing labor or materials to any public body becomes a creditor of a specific fund and has no rights except with reference to such funds.

Although public property cannot be subjected to liens, the mechanics' lien statute of the State of California has made provision whereby such work can be reached and claimants protected for work and labor done or materials furnished. Section 1184 of the Code of Civil Procedure provides that all persons performing work or furnishing materials upon any public improvement may at any time prior to the expiration of the period within which claim of lien must be filed for record give to the owner a notice that they have performed labor or furnished materials.

The term "owner" as used in section 1184 includes the State or any board, commission or officer, or any political subdivision thereof.

Section 1184 also states that in all cases in which work is being done under a contract with the State or political subdivision such notice to withhold must be filed in the office of the controller, auditor, or other public discharging officer whose duty it is to make payments under the provision of the contract or with the commissioners, managers, trustees, officers, board of supervisors, board of trustees, common council, or other bodies by whom the contract for improvement was awarded.

Upon such notice being given the owner, the board, commission, city, county, or other political subdivision "shall withhold from the contractor sufficient money and bonds where bonds are used in lieu of money, due or that may become due to the contractor to answer such claim and any lien that might be filed therefore including the reasonable costs of any litigation thereunder."

There is no special form of stop notice or notice to withhold as long as the notice sets out the necessary facts and contains the statements required by statute. Section 1184 specifically says that "no such notice shall be valid by any reason in defect or form provided it is sufficient to inform the owner of the substantial matters required."

A stop notice or a notice to withhold must contain the same information as required in a lien that is: (1) The name of the claimant must be given; (2) the job must be described sufficiently for identification; (3) the amount due the claimant must be stated after deducting all just credits and offsets; (4) the name of the person employing claimant must be stated; (5) there must be a general statement as to the kind of labor performed or materials furnished. The Stop Notice or Notice to Withhold must be verified the same as liens. Stop Notices must be filed within the same time as liens are required to be filed; i. e., if no notice of completion is filed, within ninety days after the completion of the work; if a notice of

completion is filed then all sub-contractors and material men must file their stop notice within thirty days after the notice of completion, and the general contractor must file his notice within sixty days after the date of completion.

Notice to Withhold or Stop Notices are not filed for record with the County Recorder. They must be filed with the party disbursing the fund or with the public board, commission, trustees, board of supervisors, etc., who ordered the work done.

When a notice to withhold or a stop notice is filed, the owner, that is, the one ordering the work done must withhold sufficient money or bonds where bonds are given in lieu of money to take care of the demand stated in the stop notice.

In the case of a dispute between the contractor and the party giving notice, the statute specifically provides for a way of handling the dispute. Paragraphs 1184d of the Code of Civil Procedure provides that if the contractor or other person shall dispute the correctness of a stop notice, it shall be lawful for the contractor, auditor, or other public discharging officer whose duty it is to make payments under the provisions of the contract or of the board of supervisors, commissioners, trustees, etc., in his discretion, to permit the contractor to whom was awarded the contract to deliver to such board, commission, or officer, a bond executed by some corporation authorized to issue bonds in the State of California, in a penal sum equal to 1½ times the amount of said claim which said bond shall guarantee the payment of any sum which said claimant may recover on said claim, and upon the giving of such a bond then such board, commissioner or officer shall not withhold any money or bonds from said contractor on account of said claim. In other words, the bond takes the place of the money or bonds impounded by the notice to withhold and in the event of a recovery, the claimant can look to the bond or bondsman for payment.

The same persons are entitled to file stop notices as are entitled to file liens. Stop Notices may be withdrawn so as to release the fund impounded or allowed to outlaw. Section 1184a of the Code of Civil Procedure provides no action to enforce the payment of stop notices shall be commenced against the owner prior to the expiration of the period within which claims of liens must be filed for record now shall any suit be commenced later than ninety days following the expiration of such period. In other words, an action must be filed to enforce the stop notice within ninety days after the expiration of the time in which liens could have been filed if it had been a private job. If an action is filed to enforce a stop notice, then notice of the action must be given the owner within the five days after its commencement.

CONTRACTOR SUED

The Southern Pacific Company has brought suit at Redding, Calif., against F. P. Basler and the Matthews Construction Company, contractors on the highway between Sims and Castella, for \$2595 damages. The railroad company alleges the contractors blasted rocks and dirt onto the railroad track.

FRANCE TAKING MORE AMERICAN HARDWOODS

An increased demand for American hardwoods—white oak and gum particularly—now exists in France, says a report from Merle H. Cochran, consul in charge, Paris, to the Lumber Division of the Department of Commerce.

The increase in the imports of American oak into France is explained by the fact that the price of native French oak is very much higher than it was previously. The native oak is generally considered by the French trade to be of better texture than American oak, but the American oak can be obtained in large dimensions and is, therefore, in demand for those uses in which large dimensions are required. Slavonian oak, highly prized by the French trade, is being imported in increasing quantities.

White oak is used for house building and for furniture. When it is used for flooring, the question of color and grain plays an important part. Oak from the Appalachian region of the United States is a favorite for furniture purposes.

The use of hardwoods from French colonies having a decided effect on the hardwood market in France. For instance, American gum, once much used as a substitute for walnut, is being replaced for some purposes by colonial woods.

Gum wood known in France as satin walnut, was formerly used extensively for the manufacture of furniture, but is now employed principally for making picture frames and moldings, plywood and panels.

American yellow poplar, formerly much used for furniture also, now goes into motor car bodies, airplanes, and veneers. Ash from the United States is used considerably for making various manufactured products. Recently there has been an increasing demand for hickory, which is used for manufacturing looms, skis, rulers, machinery parts, etc.

American walnut is used in France, although considerable native French Walnut is available. The native wood is preferred to American walnut because of its light color. In some sections of France, however, dark colored walnut is in greater demand.

Birdseye maple, used for veneers, fancy furniture and wood work, and persimmon and dogwood for manufacturing shuttles and reels, are among other woods imported by France from the United States.

GLADDING, McBEAN & COMPANY ELECTS DIRECTORS

Walter Sullivan, San Francisco, and Charles H. Quinn and James R. Martin of Los Angeles, were elected to the directorate of Gladding, McBean & Company at the annual meeting of stockholders held April 30.

Sullivan was elected to fill the vacancy caused by the resignation of John S. Drum of San Francisco, while Quinn and Martin succeed to seats heretofore held by Willis G. Hunt and Howard Frost of the Southern metropolis. There were no other changes in the board.

Officers for the ensuing year will be elected at the next board meeting.

New orders booked during the first quarter of 1930, as reported to the U. S. Department of Commerce by eighty-one manufacturers of electrical goods, were \$298,733,203, as compared with \$288,696,415, for the last quarter of 1929, and \$322,424,619 for the first quarter of 1929.

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Rarely has there been such little effort required upon the part of the competitors as will be in the Third Common Brick House Competition to be held this year by the Common Brick Manufacturers' Association of America. All of the difficulties usually attending an architectural contest have been eliminated. Only photographs and blue print floor plans are necessary. The photos constitute the main entry. The competition will close on November 18.

Houses to be eligible must have at least 75 per cent of the exterior surface of their walls built of common brick, which means of course brick of burned clay or sale. Any sound, fire-resistive backing or steel framing is admissible. Other forms of backup, including all cinder products, are not.

Brick veneer on frame, which is classified as frame construction and not as masonry, is not eligible. A common brick is any brick not especially treated for color or texture, including clinker or overburned brick. Only common brick are eligible.

Architects may submit only houses actually completed from their plans. Houses entered in our prior competitions are not eligible. New houses, with landscaping undeveloped, are acceptable. Photographs submitted become the property of the association. Photographs should be glossy prints not less than 5 x 7 inches. Photos 8 x 10 are preferred. They should show full perspective and close-up of some exterior detail of particular interest. A brickwork detail is desirable, though not imperative.

The prizes will be: First, \$500; second, \$300; third, \$200; fourth, \$100; with six honorable mentions of \$50 each. The jury of award will consist of three architects of national reputation.

In a further effort to reduce the accident toll at grade crossings, the State Railroad Commission has sent out a statewide appeal to the various highway authorities, including the boards of supervisors of all counties, to co-operate with the Commission in the matter of promptly appraising the Commission of instances where heavy traffic, because of detours or other reasons, is thrown over grade crossings of main line railroads normally carrying insufficient traffic to justify special protection. With such information in its possession, the Commission will be in a position to have adequate special protection provided at these crossings during such periods of unusual traffic flow. It is believed that such a plan, properly co-operated in by all concerned, will materially reduce the accident toll at this class of crossing.

A state minimum plumbing code is now being drafted for presentation to the State Legislature at its next session. It was announced by C. M. Swinnerton of Los Angeles, at the annual convention of the California State Master Plumbers' Association, meeting in Sacramento. This code would

apply to sections of the state outside of the limits of incorporated cities, which, at the present time, are unregulated in all but a few counties.

Swinnerton said the minimum code, which will probably be based upon the department of commerce regulations drafted by Herbert Hoover, will have special application to summer resorts and automobile camps and other such places of temporary group residence.

The proposed code would establish regulations in areas contiguous to centers of large population which now are without sanitary restrictions, in view of the possibility of thus preventing epidemics threatening the cities themselves.

Building permits issued in 584 leading cities and towns in the United States during April totaled \$210,411,881, an increase of 12 per cent over \$188,452,177 in March. S. W. Straus & Co. report. The company said that inasmuch as the normal trend of building activities between March and April is about 3 1/2 per cent downward, it would appear that the outlook for increased building activities from now on is encouraging.

April wholesale prices of standard plumbing fixtures for a six-room house, as collected by the U. S. Department of Commerce from reports of twelve representative manufacturers and wholesalers, were \$105.46 as compared with \$104.51 in March and \$97.99 in April, 1929.

In explanation of the declaration of the National Lumber Manufacturers' Association in favor of a lumber tariff after it had remained silent on the subject throughout the tariff debate, it is said at the offices of the Association in Washington that the chief consideration is threatened Russian competition.

Advices from Portland, Ore., state that Fred Horskotte, sawmill designer, has received a contract from the Soviet government for the installation of 120 modern American sawmill plants in the Russian state forests. The same advices say that contracts for sawmilling machinery have been let to American firms aggregating \$30,000,000.

According to American Federation of Labor sources the labor in the Russian logging camps and sawmills is practically all forced or convict labor.

The purpose of the Russian emphasis on the manufacture and exportation of lumber is to obtain gold credits abroad. Russia no longer exports grain, which was formerly its chief export. Lumber has been chosen to take its place. As the government has confiscated the timber its raw materials costs it nothing, and any money return is considered a benefit. In these circumstances almost any price in the United States that will leave a margin above the cost of manufacture and transportation will satisfy the Soviet authorities.

Oakland merchants will be given 30 days in which to comply with the law that all awnings must be not lower than seven and one-half feet from the sidewalk. After 30 days are up those who have not met the requirements will be subjected to arrest and prosecution. The maximum penalty is a

\$500 fine, six months in jail, or both. Inspectors from the city building department will measure awnings and warn merchants who are violating the law.

Edwin J. Symmes and Clarence Cullimore, heretofore operating as Symmes & Cullimore, architects, with offices in the Habersfelde Bldg., Bakersfield, announce a dissolution of the partnership. Mr. Symmes will continue the practice of architecture at the former location of the offices of Symmes & Cullimore, 215 Habersfelde Building. It is understood that Mr. Cullimore will open offices in the new Habersfelde Bldg now in course of construction.

STATE CHAMBER OF COMMERCE ELECTS DIRECTORS

A. J. Mount, president of the Bank of Italy, James A. Talbot, chairman of the Board, Richfield Oil Company, and Harold B. Franklin, president, Fox West Coast Theatres, Inc., are three new names added to the Board of Directors of the California State Chamber of Commerce, at the annual election which took place last Monday at the organization offices in the Ferry Building, San Francisco.

Election of officers for the ensuing fiscal year will be held at the first meeting of the new Board of Directors, May 23rd, at the St. Francis Hotel, San Francisco.

The Directorate of the State Chamber of Commerce numbers twenty-five, with two past-president directors. Six regional directors will be appointed by the president of the organization following the first meeting of the board.

The Directors elected at the Monday meeting are as follows: F. J. Belcher, Jr., Arthur S. Bent, Hubert H. Briggs, C. A. Bufum, Harry Chandler, Colbert Coldwell, R. A. Condee, A. B. C. Dohrmann, George L. Eastman, R. E. Fisher, Harold B. Franklin, Wm. M. Garland, R. B. Hale, Alfrid Harrell, Fred W. Kiesel, Joseph R. Knowland, Frederick J. Koster, J. B. Levison, Clinton E. Miller, A. J. Mount, E. W. Murphy, Dudley V. Saelzler, Paul Shoup, James A. Talbot, C. C. Teague, Chas E. Virden, A. Emory Wishon.

ARMY G. G. BRIDGE BOARD IS NAMED

Appointment of a board of three army engineers to hear a petition for a bridge across the Golden Gate is announced by the War Department. The board is headed by Lieutenant Colonel Thomas M. Robins of San Francisco, division engineer for the Pacific Coast and Hawaii. The other two members are Major William H. Lanagan, district engineer at Los Angeles, and Major E. H. Ropes, division engineer at San Francisco. Notice of the hearing will be issued in a few days.

LUMBER PLANT OPENED AT KLAMATH FALLS

The Kesterson Lumber Company's new 200,000-foot capacity mill, three miles south of Klamath Falls, Ore., started cutting on full capacity May 12. Two shifts went on duty. The mill was put into operation Thursday when 95,000 board feet were cut. In the timber unit, purchased from the Long-Bell Lumber Company, a crew is putting out 350,000 feet per day to serve the plant at Dorris, Calif., and the one at Klamath.

ALONG THE LINE

Edward von Geldern has been appointed city engineer of Yuba City, succeeding William Shearer.

Edward S. Carpenter, 54, former owner of the Western Lumber Company of Sacramento, died in that city May 5.

Robert Thom, county surveyor of Tuolumne County announces he will be a candidate for re-election at the coming election.

Walker R. Young, engineer in the U. S. Bureau of Reclamation, has been chosen chief engineer for the Boulder Dam project.

W. W. Wheatley has resigned as secretary of the Imperial Valley Lumbermen's Club to take effect June 1. He has announced no plans for the future.

Northwestern Timber Co. of San Francisco has been incorporated. Directors are A. T. O'Connell, Edward I. Fitzpatrick and John P. Davis.

Unconfirmed reports are to the effect that John N. Edy, city manager of Berkeley, will resign to accept a similar position at Flint, Michigan. The position carries a salary of \$15,000 a year. Edy is now in the East.

Quinlan, Code & Hill and Leeds & Irmann of Los Angeles, announce that these two engineering concerns were consolidated on May 1 to carry on jointly a broader practice of engineering than has been separately possible.

J. Kendall Masten, 3554 Washington Street, San Francisco, has been granted a Provisional Certificate to practice architecture by the California State Board of Architectural Examiners, Northern District, it is announced by Albert J. Evers, Secretary of the Board.

Three candidates are in the field to succeed C. Herriek Hammond, Chicago, as president of the American Institute of Architects. They are C. A. Favrot, New Orleans, and J. Monroe Hewlett and Robert D. Kohn, New York. The election will take place at the 63rd convention of the Institute to be held in Washington, D. C., May 21, 22 and 23. Harris C. Allen, Berkeley, Calif., has been nominated as regional director of the Sierra Nevada division of the Institute.

Ralph H. Mitchell, former editor of the Daily Transcript of San Diego, has been named publishing director of the California Constructor, official publication of the Associated General Contractors in Southern California. Previous to his association with the Transcript at San Diego, Mitchell was editor of the Daily Journal of Commerce of Portland, Oregon.

Aaron H. Gould, former architect of Portland, Ore., died in Detroit, Mich., May 9. Mr. Gould was born in Nova Scotia in 1864 and started in the construction business in Boston as a contractor. Later he became an architect and opened offices in Portland, Ore., in 1910. In 1916 he moved to Detroit to continue his architectural business.

TRADE NOTES

Victory Washer Co., Ltd., manufacturers of the Victory washing machine has opened headquarters at 434 Larkin St., San Francisco, with F. J. Lasar as general manager.

Transit Mixers, Inc., San Francisco, has appointed Francis H. James chief engineer with headquarters at San Francisco. Mr. James was formerly connected with the Northwest Engineering Co. as sales engineer for the State of California.

Neale Rainbow Light Corp., Ltd., of Los Angeles, plans to establish a sales and service branch in Sacramento. A factory was recently established by the company in Fresno and a new sales branch at Stockton.

Fuelless Magnetic Motors, Ltd., has established an experimental laboratory for perfecting a patented magnetic motor invented by H. L. Worthington, who is in charge of experimental work. Offices are located at 68 Post Street and the laboratory at 224 Harriet Street.

Bullard Davis, Inc., of California, has resumed its former name of E. D. Bullard Co., effective April 1. The company has purchased the First Aid Equipment & Supply Co., Los Angeles. Manufacture of first-aid material and equipment will be continued at both San Francisco and Los Angeles.

Three Seattle retail lumber firms effected a merger agreement last week, to operate under the name of Columbia Lumber Company. Merging companies are: Columbia Lumber Company, Ranning Lumber Company, Bell-Holmes Inc. The company operates yards in 18 Washington cities, in addition to three Seattle yards.

Mr. George H. Kemp, who has been affiliated with The Cleveland Varnish Company of Cleveland for seventeen years, as general representative, has been appointed industrial sales manager of The Ohio Varnish Company, Cleveland, Ohio. Mr. Kemp assumed his new duties May 1st.

HIGHWAY COMMISSION SEEKS CROSSING PERMITS

California State Department of Public Works, Division of Highways, has applied to the State Railroad Commission for permission to construct an undergrade crossing under the Southern Pacific tracks at Cottonwood, 14 miles south of Redding in Shasta County. The cost of construction is estimated at \$130,000.

A similar permit is sought by the highway department for an overhead crossing on the Southern Pacific line 2 miles west of Crystal Lake in Nevada County, known as Yuba Pass. The cost is placed at \$67,333.

Permission is also sought for the construction of an undergrade crossing on the Atchison, Topeka & Santa Fe Railway at Wasco, Kern County. The estimated cost of the proposed crossing is placed at \$38,600, exclusive of paving. The railroad has agreed to pay fifty per cent of the cost.

HERE — THERE —
EVERYWHERE

Progress toward the formation of an organization of the Salem, Oregon, general contractors has been effected to a point where a committee has been chosen to draft a constitution and by-laws. Meetings are to be held each Monday night until the organization is completed. The committee in charge of preliminary work consists of Cuyler Van Patten, chairman; L. G. Bulgin, secretary, and Earl Barham.

The annual meeting of the Western Association of State Highway Commissioners will be held in Salt Lake City, Utah, July 1 and 2, it is announced by Henry H. Blood, chairman of the Utah State Highway Commission and president of the association. Oil roads, billboards, highway legislative programs, and airways are among the topics to be considered.

Members of the association are to be invited to accompany governors to Salt Lake City for the National Governors' Conference June 30 to July 2, on a trip to Southern Utah for the dedication of the Zion-Mt. Carmel highway, July 4.

Appointment of representatives to the administrative board of the American Engineering Council have been announced by Carl E. Grunsky, of San Francisco, president of the council. Those from the American Society of Civil Engineers are: H. S. Crocker, Denver, Colo.; A. J. Dyer, Nashville, Tenn.; Dean Anson Marston, Iowa State College; Frank M. Williams, Albany, N. Y.

More than six hundred building-loan executives from various sections of the State are expected to attend the Silver Jubilee Convention of the California Building-Loan League, May 22-23-24, according to J. M. Abbott, president. Sessions will be held at Hotel del Coronado, San Diego. The conference is the last general meeting before the next session of the State Legislature. Mr. Abbott pointed out, and considerable interest and controversy will be generated in legislative program proposals. A discussion on "Codification of State Building-Loan Laws" will also be a highlight of the annual meeting. Gov. C. C. Young; Norman H. Sloan, general manager, State Chamber of Commerce; Chas. A. Whitmore, State Building-Loan Commissioner; Harrison Lewis, chairman, Legislative Council, California Real Estate Association and J. E. Driscoll, Jr., San Diego attorney, are among the outstanding speakers on the program.

105-STORY FOR NEW YORK

Tentative plans are being discussed in New York for a tower to rise to a height of 105 stories above Wall street. Such a structure would be the pinnacle of the world's greatest buildings. The estimated cost of the project is \$20,000,000. It has progressed so far that Louis Adler announces he has assembled the ground space for the site. It includes the entire block bounded by Wall, Pine, Pearl and Water streets. The Chas. F. Noyes Company were brokers in the transactions, which brought the

TRADE LITERATURE

Portable carbide lights and lanterns are described in an 18-page illustrated bulletin issued by the National Carbide Sales Corp., New York City.

Remote control instruments for indicating, recording and controlling flows, pressures, liquid levels and positions are described in a 32-page illustrated bulletin issued by the Brown Instrument Co., Philadelphia, Pa.

McEverlast, Inc., Los Angeles, has issued a 12-page booklet on the Hunt process of curing concrete which describes the material and equipment used, giving details of the method of application and lists advantages to be obtained by the use of this process.

A handbook on steel tanks, published by the Lancaster Iron Works, Inc., Lancaster, Pa., contains 91 pages of data on tank sizes and capacities, fire protection and insurance requirements for the storage of volatile liquids, specifications of steel for various purposes, and general useful information in connection with the design and installation of steel tanks.

A 16-page pamphlet "The Parkhurst Vertical Collimator," written by Geo. L. Hosmer, of the department of geodesy, Massachusetts Institute of Technology, and published by C. L. Berger & Sons, Inc., Boston, Mass., describes a new device for establishing a vertical line of sight. This was used in conjunction with portable steel triangulation towers by the U. S. Coast and Geodetic Survey on the Mississippi River floor-prevention control between Cairo and New Orleans.

Two publications of special interest, particularly in the technical field, have recently been published by the California Redwood Association. The first of these is "Naturally Durable California Redwood in Structural Grades." This publication carries safe working stresses approved by the U. S. Forest Products Laboratory. The second is "Naturally Durable California Redwood in Modern Timber Structures."

The booklet devoted to structural grades gives the Association's new grading rules conforming to essential provisions of A. R. E. A., A. S. T. M., A. L. S., etc. The booklet on modern timber structures is of a more popular nature, illustrated by photos of some of the more than 60 bridges built or building during the past year in California, Ohio, Kansas, Tennessee and Arkansas, and taking nearly 12 million feet board measure.

Both publications are being distributed without charge and will be furnished to those who are interested in their subject matter. In connection with the publication of these booklets the California Redwood Association has called attention to the fact that every piece of structural redwood is inspected, grade and trade marked and every shipment covered by inspection certificate. This inspection, they state, is done by the Association's inspectors and not by mill employes or representatives.

NOBILITY AT LUMBER MILL

Prince and Princess Friedrich Christian zu Schaumburg Lippe of Germany, accompanied by Chas. Beroltzheimer of Stockton, were recent visitors at the plant of the Pickering Lumber Company at Standard, Tuolumne County.

BILLION DOLLARS ANNUALLY FOR REAL ESTATE FINANCING

More than a billion dollars a year—without pause through the past three year period—is the record of real estate financing reported by Thomas F. Clark, Director of the Mortgage Bankers Association of America in an interview at the annual meeting of the United States Chamber of Commerce held in Washington recently.

"Such colossal figures, based upon a country-wide survey just made among members of the Mortgage Bankers Association, come as a surprise to the man on the street who has attributed lessened real estate and building activity to a curtailment of loans by mortgage bankers," said Mr. Clark. "Due to the fact that the survey was confined to the conservative institutions that have qualified under the strict membership standards of the Association, we can infer from the figures that companies of this type have regularly supplied mortgage money for sound projects even during this last three year period when real estate activity as a whole has been at a low ebb. Forty percent of the reported members actually showed an increased business in 1929 over 1928."

Two hundred leading members of the Association located in practically every state of the Union submitted figures in the survey showing sales of mortgages and bonds secured by city real estate to the extent of 676 millions in 1927, 727 millions in 1928 and 691 millions in 1929. An estimate of from a billion to a billion and a half dollars annual volume could be assumed on the basis of a full report from all of the Association's members. Building and loan associations, private investors, insurance companies, trust companies and savings banks negotiating directly with borrowers, rather than through mortgage bankers, are not included in the survey.

"It must be remembered that in the two or three years we have seen the gradual withdrawal or failure of many so-called 'high pressure' real estate security houses whose loans were, through intention or lack of experience, made along speculative lines," explained Mr. Clark. "As such houses are gradually being eliminated from the field it is only natural that builders and developers should feel the shortage of funds from those sources."

"While one section of the general public is bewailing the supposed 'tightness' of mortgage money another section is bound to feel satisfaction over the present conservative trend of mortgage banking, and in the knowledge developed by these statistics, that sound mortgage institutions are furnishing an uninterrupted service to borrowers and investors."

"Judging from the figures shown, high grade real estate securities are still being sold and being accorded their rightful honored place in the investment field. Such securities must not be made the tool of the wildcat promoter—the speculator unwilling to risk his own funds. Level-headed home-owners, landlords and builders who are more concerned with sound development than temporary profits will find mortgage funds as plentiful as ever in 1930."

Sixty members making farm loans in all the principal agricultural states were shown to have varied their annual volume less than three per cent over the three year period.

Total farm mortgages sold were \$4 millions in 1927, \$6 millions in 1928 and \$7 millions in 1929. A full report from all members making such loans would probably show an annual total of between 100 millions and 150 millions. The survey did not include Federal and Joint Stock Land Banks nor private investors, insurance companies, trust companies and savings banks negotiating directly with borrowers.

NATIONAL LUMBER MANUFACTURES ELECT OFFICERS

A. C. Dixon, manager of the Booth-Kelly Lumber Co., Eugene, Ore., was elected president of the National Lumber Mfrs. Association at the Chicago convention. He served as a trustee of the association during the last year and was former president of the West Coast Lumbermen's Association. Among those elected to the board of trustees for the coming year are: W. E. Nettleton, president of the Nettleton Lumber Co., Seattle, Wash.; C. D. Johnson, president of the Pacific Spruce Corp., Toledo, Ore.; J. D. Tennant, vice-president and manager of the Long-Bell Lumber Co., Longview, Wash.; M. C. Woodard, president of the Silver Falls Timber Co., Silverton, Ore.; R. H. Burnside, president of the Willapa Lumber Co., Raymond, Wash.; and F. R. Titcomb, vice-president and general manager of the Weyerhaeuser Timber Co., Tacoma, Wash.

BRIDGE EARNINGS GROW

Total receipts of the American Toll Bridge Company from the Antioch and Carquinez bridges in the first quarter of 1930 amounted to \$247,150, compared with \$222,400 in the first quarter of 1929, the company announced April 30.

Approximately 25,000 more vehicles used the bridges last quarter than traveled over them in the first quarter of 1929. Traffic for the first three months this year totaled 230,000 vehicles with 700,000 passengers. In the first quarter of last year 265,000 vehicles, carrying 630,000 passengers, used the bridges.

MILLWORK INSTITUTE OCCUPYING NEW QUARTERS

Headquarters of the Millwork Institute of California have been moved from Los Angeles to Fresno in order that the work may be under immediate supervision of the president, A. W. Benhauer, of the Fresno Planing Mill. Offices are located at 522 T. W. Patterson Bldg., Fulton and Tulare Sts., Fresno. L. G. Sterrett will continue as manager of the service bureau, but the position of managing director, made vacant by the resignation of H. T. Didesch to accept a position in Oakland, will not be filled for the present.

HOLLAND TUNNEL RECEIPTS DURING 1929

Income for the Holland vehicular tunnel under the Hudson River a New York City during 1929 totaled \$6,120,005. Operating expenses were \$1,528,684, leaving a profit of \$4,591,321. The tunnel cost \$48,000,000 and a the present rate should be paid for by the end of 1937.

PLANS WATER SURVEY

Town trustees of Hillsborough, San Mateo County, have appropriated \$5,000 to finance a water survey to determine the feasibility of a tri-city water district with Burlingame, San Mateo. Tentative plans provided for tapping the Spring Valley reservoir with a line large enough to supply the three cities.

OROVILLE INN OFFICIALLY OPEN TO PUBLIC ON JUNE 1



THE OROVILLE INN
G. A. Applegarth, Architect

Oroville Inn, located at the gateway to the Feather River country, at Oroville, Butte County, will be officially opened to the public on June 1.

The structure will be dedicated on May 31. Civic leaders from various sections of the state will be present. "Oroville Inn represents a decided advanced step in the construction and equipment of hotels," says Chas. W. Ward, San Francisco hotel operator, who, with Wm. E. Smith and Van A. Shafer will operate the structure. "The Inn will provide every comfort for the tourist," Ward continued, "as well as providing every facility for the hunter and fisherman who seeks pleasure in the Feather River district which is considered the greatest hunting and fishing area on the Pacific Coast."

The main hotel building will be four stories and basement, built around a garden court.

The approach to the building will be by a driveway through a large arched gate way leading through the garden to the entrances of lobbies and dining room.

Into this garden will be transplanted large growing oranges, bananas, avacados, and other semi-tropical trees and flowering plants which will give a succession of bloom throughout the year.

The style of the building is Spanish which is particularly suitable for this climate and combines so well with garden treatments. The interior of the building will be decorated in the soft blended colors of this style.

An air cooling system has been installed supplying cool washed air night and day in the summer to all bedrooms, lobbies, banquet rooms, etc., by a system of fans, ducts, and an air washer.

The garage facilities for the building are reached directly from the court, after passing the main entrance and the access to the hotel from the garage is under cover.

There are 94 guest rooms in the hotel, all with access to bath and shower combinations and with every modern convenience.

Furnishings for hostelry were installed by Geo. M. Hyde Company of San Francisco, associated with Messrs. Reed and Frank.

Mr. Applegarth, the architect of the Oroville Inn, has made a special study of buildings of this kind and has had experience in constructions throughout the state, having built more than 200 buildings, among which in San Francisco are the Clift Hotel, California Palace of the Legion of Honor, Fielding Hotel, Oceanic Building, and many others.

TREATED LUMBER SAVES BUILDING UPKEEP

Important economies in the upkeep of houses and other types of wood construction, may be effected by the use of chemically treated lumber, says Axel H. Oxholm, director of the National Committee on Wood Utilization of the Department of Commerce, in announcing the release of the Committee's latest bulletin "Treated Wood, Its Uses and Economies."

The fact that the railroads of the United States are saving \$145,000 annually through the use of chemically treated ties alone, is sufficient evidence of the economies made possible in wood construction by treating wood to protect it from decay and insect attack. It was in an endeavor to give home builders the benefit of similar economies, therefore, that the National Committee on Wood Utilization induced retail lumber dealers to stock chemically treated lumber, so

that it might be available in small quantities to the average consumer.

Directing this movement is a subcommittee composed of builders, architects, lumbermen, bankers, and agriculturists and led by T. F. Laist, in charge of retail lumber research, Antioch College, Yellow Springs, Ohio. The movement has passed the experimental stage. Treated lumber is now procurable in retail quantities throughout the State of Ohio; and the Committee is planning the extension of the treated wood project to other states, also.

The Committee's new bulletin explains in detail how the use of treated lumber in certain parts of a building will prolong the life of the structure. It stresses particularly, also, the uses to which treated lumber may advantageously be put on the farm.

It may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.

C., or from branch offices of the Department of Commerce, located in the principal cities

NEW MANAGER NAMED

Robert Simpson, former manager of the Portland, Ore., office of the Star Roof Corp., has taken over the management of the Fresno branch of the company located at 1824 Stanislaus St., Fresno. Simpson succeeds G. C. Watson, who was transferred to the company's Long Beach office after serving in Fresno for a year and at Visalia for six months.

PLAN LICENSE LAW

Martinez, Calif., city council plans adoption of an ordinance making it compulsory for contractors engaged in the building trades to secure a municipal license before performing work within the city limits.

Building News Section

APARTMENTS

Contract Awarded—Sub-Bids Being Taken.

APARTMENTS Cost, \$250,000
OAKLAND, Alameda Co., Cal. Perkins and Van Buren Sts.

Seven-story steel frame and brick apartments (69 2- and 3-room apts.)

Owner—Wm. Richardson.
Architect—Willis Lowe, 354 Hobart St., Oakland.

Contractor—J. Daneri, 6515 Raymond St., Oakland.

Sub-bids are wanted on all portions of the work.

Contract Awarded.
APARTMENTS Cost, \$250,000
LOS ANGELES, Cal. SW Ninth and Kingsley Drive.

Five-story and basement Class C brick apartments.

Owner—I. Roth, 905 S. Kingsley Dr., Los Angeles.

Architect—E. B. Rust, Wilshire Professional Bldg., Los Angeles.

Contractor—Barnett Shapiro Constr. Co., Pine Arts Bldg., Los Angeles

Segregated Bids Being Taken.
APARTMENTS Cost, \$75,000
ALAMEDA, Alameda Co., Cal. Santa Clara Avenue.

Three-story and basement frame and stucco apartments with reinforced concrete garage (18 2, 3 and 4-room apts.)

Owner—A. C. Cook.
Architect—Chester Treichel, American Bank Bldg., Oakland.

Completing Plans.
APARTMENTS Cost approx. \$100,000
VALLEJO, Solano Co., Calif. Capitol Way.

Three-story reinforced concrete apts. (21 2, 3- and 4-room apts.)

Owner and Builder—Dr. F. Burton Jones, 327 Georgia St., Vallejo.

Plans by W. A. Pentecost, 465 25th St., Oakland.

Sub-bids will be taken May 15th.

Bids In—Held Under Advice.
ALTERATIONS Cost, \$40,000
SAN FRANCISCO. NW Bush St. and Polk St.

Alter present apartments.
Owner—Estate of Louis Freidman.
Architect—S. Helman, 605 Market St.
As previously reported, refrigeration awarded to Cyclops Iron Works, (Norge Refrigerators), 837 Folsom St., at \$4000. There will be 47 refrigerators installed.

Work involves painting, electric wiring, plumbing.

BONDS

NORTH SACRAMENTO, Calif.—North Sacramento School District defeats proposal to issue bonds of \$25,000 to finance erection of a new school.

DELANO, Kern Co., Cal.—Election will be held May 31 in Delano Union Grammar School District to vote bonds of \$14,000 to finance school improvements. Trustees of district are: G. A. Swanson, O. T. Mast and F. W. Maehle.

SONORA, Tuolumne Co., Cal.—Until June 3 bids will be received by county supervisors for purchase of the \$17,000 bond issue of the Jamestown

School District; proceeds of sale to finance erection of a new school to replace structure destroyed by fire.

AUBURN, Placer Co., Cal.—Election will be called by city council shortly to vote bonds of \$40,000 to finance erection of a new city hall, preliminary plans for which have been prepared by Architect W. H. Weeks, 111 Sutter St., San Francisco.

MARYSVILLE, Yuba Co., Calif.—Linda School District will call election shortly to vote bonds of \$9,000 to finance erection of an addition to the present school.

OROVILLE, Butte Co., Cal.—Special election held in Lone Tree School District to vote direct tax of \$1250 to finance erection of school to replace structure destroyed by fire, carried by a vote of 10 to 7.

CHURCHES

SOUTH PASADENA, Los Angeles Co., Cal.—Until 2 P. M., June 2, bids will be received by South Pasadena City High School District for furnishing and installing a pipe organ in South Pasadena Senior High School, Fremont Ave. and Bank St. Specifications on file at 1327 Diamond Ave., South Pasadena.

Bids To Be Taken Within One Week.
CHURCH Cost, \$40,000
OAKLAND, Alameda Co., Cal. St. James Road.

One-story frame and stucco church (Spanish type).

Owner—Corpus Christi Parish.

Architect—W. E. Schirmer, 700 21st St., Oakland.

Contract Awarded.
CHAPEL Cost, \$150,000
LOS ANGELES, Cal. Thirty-fourth St. near University Ave.

Four-story and basement Class A reinforced concrete chapel and educational building (85x130 ft.)

Owner—University Methodist Church.

Architect—C. Raymond Johnson, School of Architecture, University of Southern California.

Contractor—William Simpson Constr. Co., 1007 Architects Bldg., Los Angeles.

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SKILSAW PORTABLE ELECTRIC HAND SAW

Will solve your cutting problems.
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ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric Tools.

1222 Mission St.
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1267

Preliminary Plans Complete.

CHURCH Cost, \$20,000
EUREKA, Humboldt Co., Calif.

One-story redwood church (Colonial type).

Owner—First Methodist Church.

Architect—Rollin S. Tuttle, Box C, Los Gatos.

Financing arrangements are now being made.

Bids To Be Taken Within A Few Days
ALTERATIONS Cost, \$16,000
SANTA ROSA, Sonoma Co., Cal.

Alterations and additions to present church building (erect social hall and general alterations).

Owner—First Methodist Episcopal Church.

Architect—Rollin S. Tuttle, Box C, Los Gatos.

Mead Clark, E. A. Eymann and W. J. Meeker are on the building committee.

Contemplated.
CHURCH Cost, \$—
PETALUMA, Sonoma Co., Cal. English and Bassett Sts. (71x130 ft.)

One-story frame and stucco church.

Owner—Church of God (Rev. A. C. Bennett, Pastor).

Architect—Not Selected.

Contractor—George Seeley, Petaluma

FACTORIES AND WAREHOUSES

ALAMEDA, Alameda Co., Cal.—Sea-Maid Corp., manufacturers of a chemical cleaner, has taken over the abandoned borax plant at the west end of Pacific Ave. and will spend \$75,000 in reconstruction and installation of new equipment.

OAKLAND, Alameda Co., Cal.—J. G. Wilson Corp., 605 Market St., San Francisco, at \$8175 awarded contract by City of Oakland Port Commission for 24 steel rolling doors for the transit shed on 9th Ave. Pier.

Site Purchased—Plans To Be Prepared
INDUSTRIAL BLDG. Cost, \$—
SAN FRANCISCO. SE Russ and Howard Sts.

Industrial building.

Owner—Eng-Skell Co., 208 Mission St., San Francisco.

Architect—Not Selected.

Contract Awarded.
TRANSIT SHED Cont. Price, \$69,75
OAKLAND, Alameda Co., Cal. Ninth Avenue Pier.

One-story reinforced concrete super structure for transit shed (504 150 ft.; two 70-ft. trusses and on 40 ft. truss.)

Owner—City of Oakland Port Commission, 424 Oakland Bank Bldg. Oakland.

Architect—Eng. Dept. of Owner.

Contractor—Spivock & Spivock, Hobart Bldg., San Francisco.

Plans Being Prepared.
FACTORY Cost, \$—
STOCKTON, San Joaquin Co., Cal. North Wilson Way.

Fireproof factory.

Owner—Le Tournieu Mfg. Co., Modesto, St. Stockton.

Plans by Eng. Dept. of Owner.

The La Tournieu Mfg. Co. manufactures road building equipment.

Plans will be ready for bids in 30 days.

CAMPBELL, Santa Clara Co., Cal.—California Confection, Ltd., (California Fruit Products Institute), is conferring with Chamber of Commerce regarding a 2-acre site for the first unit of a plant for the manufacture of confections from local fruits. B. O. Curry, S. N. Hedegard and C. H. Whitman of Campbell have been appointed a committee to investigate the proposal.

Bids Opened.
STATIONS Cost, \$—
LOS ANGELES COUNTY, Orange County and Ventura County on State Highway.

Three maintenance stations (comprising one-story cottage, garage, bunk house and oil house; frame construction).

Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Following is a complete list of bids: (1) Ventura County; (2) Los Angeles County; (3) Orange County (4) Total.

A. R. McMurtry, Los Angeles, (1) \$10,637; (2) \$10,597; (3) \$10,647; (4) \$31,000.

T. R. Hyatt, Alhambra, (1) \$10,700; (2) \$10,600; (3) \$10,395; (4) \$31,695.
Johnson & Hansen, Ventura (1) \$10,947; (2) \$10,562; (3) \$10,947; (4) \$32,338.

Nead Const. Co., Wilmington, (1) \$11,252; (2) \$11,146; (3) \$11,191; (4) \$33,589.

Adolph S. Schmid, Santa Ana, (1) \$12,690; (2) \$12,500; (3) \$11,900; (4) \$37,000.

Engineers' estimate, (1) \$12,526; (2) \$12,584; (3) \$12,511; (4) \$37,621.

Bids held under advisement.

DIAMOND SPRINGS, El Dorado Co., Cal.—Commissary warehouse of California Door Co. suffered a \$10,000 fire loss May 12. Loss included three torred automobiles.

Bids Opened.
CREAMERY Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. W. San Carlos and Locust Sts.
One-story reinforced concrete creamery.

Owner—Hester Dairy, San Jose.
Architect—W. A. and Higgins, Realty Bldg., San Jose.

Following is a complete list of bids: General Work

Frank Neves, 891 Harrison St., San Jose \$13,287

J. Thorp, San Jose 14,242

G. M. Latta, San Jose 14,490

Wm. Myers, San Jose 14,790

E. J. Smith, San Jose 14,800

The Minton Co., Mt. View 14,938

Magna & Newell, San Jose 15,590

R. O. Summers, San Jose 15,629

Plumbing, Sheet Metal and Piping I. Moltzen, 85 E San Fernando St., San Jose \$1,694

H. J. Pascoe, San Jose 1,730

Funck & Son, San Jose 2,001

Merritt & Song, San Jose 2,048

Electrical bids will be opened within a few days. All bids held under advisement.

SANTA ROSA, Sonoma Co., Cal.—Lebal Company of America, Inc., is conferring with the Santa Rosa Chamber of Commerce regarding the establishment of a plant for the manufacture of cod liver oil tablets. If the factory is located in Santa Rosa, the company would expect financial inducements.

Contract Awarded.
WAREHOUSE Cost, \$33,300
OAKLAND, Alameda Co., Cal. First and Market Sts.
One-story brick and steel warehouse.
Owner—Howard Terminal, ft. of Market St., Oakland.

Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.
Contractor—James T. Walsh, 224 Bellevue Ave., Oakland.

Owner Taking Bids.
LAUNDRY Cost, \$50,000
(Including equipment)

MARTINEZ, Contra Costa Co., Cal. One-story steel frame and brick laundry.

Owner—Martinez Steam Laundry, 709 Howard St., Martinez.

Plans by A. L. Rector, 5410 Amador, Richmond.

Bids are being received by C. Arnaud, 709 Howard St., Martinez.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$17,000
SAN JOSE, Santa Clara Co., Cal. 4th St. at Empire.

Alterations to brick industrial bldg. Owner—Hunt Bros., 361 N 4th St., San Jose.

Architect—None.
Contractor—P. J. Walker Co., Sharon Bldg., San Francisco.

Ornamental Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.

Sheet Metal—Henry Eitzert, 748 Alameda St., San Jose.

Wrecking—San Jose Wrecking & Bldg. Material Co., 134 Stockton St., San Jose.

Steel Rolling Doors—Gunn, Carle and Co., 444 Market St., San Francisco

Composition Roofing—General Roofing Co., 3355 Beach St., Oakland.

Sliding Fire Doors—East Bay Sheet Metal Works, 1101 Market Street, Oakland.

Plumbing—C. L. Snyder Co., 98 East Santa Clara, San Jose.

Plans Being Revised.
CREAMERY Cost, \$14,000
SAN MATEO, San Mateo Co., Cal. Bayshore Highway.

Owner—Jersey Farm Creamery.
Plans by Enri Cavasso, 235 3rd Ave., San Mateo.

New bids will be taken in about one week.

Plans Being Completed.
PLANT Cost, \$3,000,000
RICHMOND, Contra Costa Co., Calif.

Group of steel frame and brick buildings (one-story assembly plant, 300,000 sq. ft.; two- or three-story wharf bldg. and receiving bldg.)

Owner—Ford Motor Car Co., Edsel Ford, president, Detroit, Mich.

Architect—Eng. Dept. of Owner.
It has been announced that plans are to be sent to San Francisco to a selected list of contractors on all trades in 15 to 20 days.

Sub-Contracts Awarded.
MILL Cost, \$—
TRACY, San Joaquin Co., Cal. One-half mile north of Tracy.

Alfalfa mill buildings (comprising six buildings all).

Owner—Denver Alfalfa Milling & Products Co., Denver, Colo.

Private Plans.
Contractor—Geo. J. Ulrich Const. Co., Modesto.

Reinforcing Steel and Wire Mesh—Soule Steel Co., Rialto Bldg., San Francisco.

Lumber and Building Material—Good Lumber Co., Tracy.

Rock and Sand—Atlas Rock Co., Bldrs. Bldg., Stockton.

Galvanized Iron and Hardware—Turner Hardware Co., 24 N American St., Stockton.

Cement and Metal Sash—United Lbr. Yard, Modesto.

United Commercial Company of San Francisco has the contract to construct a spur track in connection with the new plant.

RUTHERFORD, Napa Co., Calif.—Bella Oak Mines Co., S. H. Wyckoff, secretary, Napa, awards contract to

H. W. Gould Co., San Francisco, to construct Gould Rotary Furnace at the Bella Oak mines on the west side of the Napa valley, just south of Rutherford.

Plans Being Completed.
SPRINKLER SYSTEM Cost, \$—
OAKLAND, Cal. Inner Harbor.

Sprinkler system and electric work for Ninth Avenue Pier shed.

Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg., Oakland.

Architect—Engineering Dept. of Port Commission, 424 Oakland Bank Bldg., Oakland.

Plans Being Figured—Bids Close May 21, 2 P. M.
WAREHOUSE Cost, \$60,000
WATSONVILLE, Santa Cruz Co., Cal.

Warehouse and general offices. Owner—Espendola, Inc.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Plans Being Prepared.
FACTORY Cost, \$500,000
SOUTH GATE, Los Angeles Co., Cal.

Eastern Section (8½ acre site). Factory.

Owner—Grand Rapids Store Equipment Co., Grand Rapids, Michigan.

Architect—Withheld.

Contract Awarded.
CREAMERY Cost, \$35,000
OAKLAND, Alameda Co., Cal. SE E 14th St. and 19th Ave.

Two-story brick creamery. Owner—Darigold Milk Co., Ltd.

Architect—None.
Contractor—G. H. Wendt, 2116 Allston Way, Berkeley.

Contract Awarded.
OFFICES, ETC. Cost, \$25,000
VALLEJO, Solano Co., Cal.

Offices, warehouse and tanks (corrugated iron and wood frame construction).

Owner—Standard Oil Co., 225 Bush St., San Francisco.

Plans by Eng. Dept. of Owner.
Contractor—J. E. Johnston, 1248 N Ophir St., Stockton.

Contract Awarded.
LAUNDRY Cost, \$12,000
WOODLAND, Yolo Co., Cal.

One-story hollow tile laundry unit (30 by 60 ft.)

Owner—Woodland Clinic; Woodland. Private Plans.

Contractor—J. G. Motroni, Woodland.

Contract Awarded.
ADDITION Cost, \$—
EMERYVILLE, Alameda Co., Cal.

One-story brick addition to factory and warehouse.

Owner—California Packing Co., 101 California St., San Francisco.

Engineer—Phillip Bush, 101 California St., San Francisco.

Contractor—Chas. D. Vesey & Sons, 354 Hobart St., Oakland.

GARAGES AND SERVICE STATIONS

Bids To Be Taken In One Week.
GARAGE Cost, \$30,000
WATSONVILLE, Santa Cruz Co., Cal.

One-story concrete garage building. Owner—W. W. Bendell, 213 Main St., Watsonville.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

To Be Done By Day's Work.
GARAGE, ETC. Cost, \$—
SAN FRANCISCO, Islais Creek, block bounded by Evans, Quint, Davidson and Phelps (300,000 sq. ft.).

Fireproof garage and improvements to lumber yard.

Owner—Sudden Lumber Co., Evans & Quint Streets.
Architect—Eng. Dept. of Owner.

Preparing Plans.
GARAGES Cost, \$200,000 each
LOS ANGELES, Cal.
Three steel frame and reinforced concrete Class A garages (hollow tile partitions).
Owner—Southern California Telephone Co., 740 S. Olive St., Los Angeles
Architect—Eng. Dept. of Owner.

Plans Being Figured—Bids Close May 23th.
GARAGE Cost, \$30,000
WATSONVILLE, Santa Cruz Co., Cal.
One-story concrete garage building.
Owner—W. W. Bendell, 213 Main St., Watsonville.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

GOVERNMENT WORK AND SUPPLIES

MARE ISLAND, Cal.—MacDonald & Kahn, Financial Center Bldg., San Francisco, at \$162,500 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., to erect shell houses and construct an extension to the railroad at the Mare Island Navy Yard.

HAWTHORNE, Nev.—Following is a complete list of bids received by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6123, to furnish and install kitchen equipment at Naval Ammunition Depot, Hawthorne, Nev.:
Item 1, kitchen equipment complete; 2, do, as per addendum No. 1.
Emil Brown & Co., 300 E. 9th St., Los Angeles, Calif., item 1, \$12,900; 2, \$7,830.
Mangrum-Holbrook Co., 1235 Mission St., San Francisco, item 1, \$11,717; 2, \$7,522.
Ingall Mfg. Co., San Diego, Calif., item 1, \$12,872; 2, \$2,367.
Continental Contracting Co., Fort Dodge, Iowa, item 1, \$9,891.
Dohrman Hotel Supply Co., item 1, \$13,140; 2, \$8,254.

HAWTHORNE, Nevada—Until June 11, 11 A. M., under Specification No. 6138, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for screens and window shades at the Naval Ammunition Depot, Hawthorne. The work includes door, window and porch screens for 23 buildings, and window shades for 34 buildings. Plans and specifications may be obtained from the District Public Works Officer, 100 Harrison St., San Francisco, Calif., on deposit of \$10, check or money order, payable to the Chief of the Bureau of Yards and Docks.

Plans Being Figured—Bids Close May 27, 10 A. M.
FURNITURE Cost, \$—
HAWTHORNE, Nevada.
Furniture for Naval Ammunition Depot.
Owner—U. S. Government.
Plans by Bureau of Yards and Docks, Navy Department, Washington, D. C.
Specifications obtainable from Navy Purchasing Officer, 100 Harrison St., San Francisco.

SAN FRANCISCO—Until May 19, 2 P. M., bids will be received by the U. S. Forest Service, Ferry Bldg., to furnish and deliver nine reversible bulldozer attachments to be fabricated and assembled to attach to a Model 30 Caterpillar. Specifications and further information obtainable from above office.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Department Officer, 100 Harrison St., San Francisco:

Bids Open May 27
Hawthorne, Nev., 3 writing tables, 23 breakfast nook tables, 46 breakfast nook benches, 22 mattresses, 33 do, 3 dressing tables, 3 tables, 1 read couch, 4 tables, 2 serving tables, and 14 floor lamps. Sch. 3274.

Mare Island, 300 safety treads. Sch. 3385.
Western yards, brass and copper pipe and tubing. Sch. 3367.

Mare Island and Puget Sound, 10 chain hoists. Sch. 3371.

Western yards, steel conduit pipe. Sch. 3365.

Western yards, cocks, faucets and valves. Sch. 3393.

Puget Sound, 485 steel boiler tubes. Sch. 3391.

Mare Island, 1 arc welding set and spares, etc. Sch. 3380.

Western yards, compressed oxygen gas. Sch. 3381.

Western yards, CO₂ gas. Sch. 3392.

Puget Sound, insulating material. Sch. 3395.

Brooklyn and Puget Sound, 1,612 rigging insulators, porcelain. Sch. 3392.

Western yards, acetylene gas. Sch. 3383.

Puget Sound, 80 copper rotating bands. Sch. 3406.

Puget Sound, 7,400 dust pans. Sch. 3405.

Bids Open June 3
San Diego, or f.o.b. works, airplanes and parts. Sch. 3082.

PHOENIX, Ariz.—Until May 27, 2 P. M., bids will be received by John B. Brown, superintendent, U. S. Indian School, Phoenix, to furnish and deliver one sectional vegetable steamer, 3-compartment; each compartment to be not less than 20½ inches wide by 10 inches high and 24 inches deep inside. Further information obtainable from above.

TUCSON, Arizona.—Until May 23, 11 A. M., bids will be received by Supervising Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Calif., for revision to fence at the Veterans' Hospital at Tucson. This work will include under general construction: Earthwork and grading, reinforced concrete, and carpentry, removal of existing fence, re-erecting and revising. Specifications obtainable from above.

SACRAMENTO, Cal.—MacDonald & Kahn, Financial Center Bldg., San Francisco, at \$12,000 awarded contract by U. S. Engineer Office, for construction of a group of test tunnels at the proposed Coram dam site in Shasta County.

HAWTHORNE, Nevada—Continental Construction Co., Fort Dodge, Iowa, at \$9891 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish and deliver kitchen equipment for Naval Ammunition Depot at Hawthorne. Complete list of bids will be published shortly.

HAWTHORNE, Nev.—Until June 11, 11 A. M., under Specification No. 6143, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish and install dial type telephones, central office equipment, complete with protector frame, storage battery, rectifier and power connections and wiring and overhead telephone lines at the naval ammunition depot, Hawthorne, Nev.;

deposit of \$10 required for plans, obtainable from above.

Plans Completed.
GATES, ETC. Cost, \$17,000
SAN FRANCISCO, Presidio (National Cemetery).
Granite and bronze gates, urns, etc., at entrance to National Cemetery.
Owner—U. S. Government.
Architect—Constructing Quartermaster, Fort Mason, San Francisco.
Funds to finance this construction will be made available July 1st when a call for bids will be issued.

HALLS AND SOCIETY BUILDINGS

Completing Plans.
CLUB Cost, \$—

WILLOWS, Glenn Co., Cal.
One-story frame club building (rustic finish).
Owner—Boy Scouts of America, Willows.

Architect—O. Deichman, 110 Sutter St., San Francisco.

Segregated figures will be taken in one week.

Plans Being Prepared.
CLUB BLDG. Cost, \$30,000

MOUNTAIN VIEW, Santa Clara Co., Calif.

Two-story reinforced concrete club building.

Owner—American Legion, Mt. View.

Architect—Alex. A. Cantin, 544 Market St., San Francisco.

Bids will be taken in about 2 weeks.

Plans Being Figured—Bids Close June 10th.

MEMORIAL BLDG. Cost, \$15,000

UKIAH, Mendocino Co., Cal.

Frame and stucco American Legion Memorial Club Bldg.

Owner—County of Mendocino, H. M. Burke, county clerk, Ukiah.

Architect—Coffman, Sahlgren & Stafford, Forum Bldg., Sacramento.

Segregated Bids To Be Taken May 19

From Selected List of Contractors

LODGE BLDG. Cost, \$30,000

NILES, Alameda Co., Calif.

Two-story brick lodge building.

Owner—Odd Fellows Lodge.

Architect—George Ellinger, 1723 Webster St., Oakland.

HOSPITALS

Construction To Start Next Week.

HOSPITAL Cost, \$175,000

TUCSON, Arizona.

One-story reinforced concrete and brick hospital.

Owner—Southern Pacific R. R. Co., 65 Market St., San Francisco.

Architect—A. I. Coffey and Martin J. Rist, Phelan Bldg., San Francisco

Contractor—Robt. E. McKee, Central Bldg., Los Angeles.

BERKELEY, Alameda Co., Calif.—

Reid Bros., Inc., 91 Drumm St., San Francisco, at \$4,880.30 awarded contract by Regents of University of California, for furnishing and installing sterilization equipment in infirmary building at University of California, Berkeley.

BERKELEY, Alameda Co., Calif.—

Dohrmann Hotel Supply Co., 972 Mission St., San Francisco, at \$7,757.32 awarded contract by Regents of the University of California for furnishing and installing kitchen equipment in the infirmary building, Berkeley.

SOUTHERN CALIF.—State Architect George B. McDougall, Public Works Bldg., Sacramento, is preparing plans for the new state prison for juveniles, women's penal institution and new hospital for narcotics to be erected in Southern California or

sites to be announced within a few days. It is understood that bids for the construction of these buildings will be asked shortly after the sites are made public. Hospital will comprise a group of buildings costing about \$800,000, including \$85,000 for steam plant and \$65,000 for sewage disposal plant.

Contract Awarded.
ADDITION Cont. price, \$150,389
OAKLAND, Alameda Co., Cal. Fairmont Hospital.
 Two-story class C reinforced concrete hospital addition.
 Owner—County of Alameda.
 Architect—H. H. Meyer, Kohl Bldg., San Francisco.
 Contractor—Geo. J. Maurer, 50 York Drive, Oakland.

Following is a complete list of bids: George J. Maurer, Oakland.....\$137,289
 Spivock & Spivock, S. F.....140,900
 E. T. Leiter & Son, Oakland.....142,837
 C. D. Vezey & Son, Oakland.....143,584
 MacDonald & Kahn, S. F.....145,396
 F. J. Westlund, Oakland.....145,940
 E. T. Lesure, Oakland.....146,470
 Young & Horstmeyer, S. F.....147,254
 N. H. Sjoberg, San Francisco.....148,555
 John E. Branagh, Oakland.....149,000
 J. J. Grodem & Son, Alameda.....153,292
 Schuler & McDonald, Oakland 163,493
 George J. Maurer was awarded the contract at \$150,389, which includes certain alternates that were accepted.

Plans Being Figured—Bids Close June 2nd.
WARD Cost, \$16,000
SANTA BARBARA, Santa Barbara Co., Cal. Santa Barbara County Farm.

One-story frame and stucco psychopathic ward.
 Owner—County of Santa Barbara.
 Architect—Edwards & Plunkett, 20 E. Figueroa St., Santa Barbara.

Plans Being Figured—Bids Close June 23, 2 P. M.

HOSPITAL Cost, \$400,000
LOS ANGELES, Cal. County Farm near Honda.

Two-story reinforced concrete hospital (188x191 ft.) (accommodate 200 patients.)

Owner—County of Los Angeles.
 Architect—Eng. Dept. of Owner.

Bids are wanted on general contract, plumbing, heating and ventilating, electric light fixtures, electric wiring, hmoieum, metal equipment, surgical equipment and kitchen equip.

Plans Being Figured—Bids Close June 2, 2 P. M.

NURSES' HOME Cost, \$—
OLIVE VIEW, Los Angeles Co., Cal. Olive View Sanitarium.

One-story and basement hollow concrete nurses' home (tile walls); (48x184 feet).

Owner—County of Los Angeles.
 Architect—Eng. Dept. of Owner.

Bids are being taken on general contract, plumbing, heating, electric work and electric fixtures.

Plans Being Figured—Bids Close June 2, 2 P. M.

SOLARIUM Cost, \$—
OLIVE VIEW, Los Angeles Co., Cal. Olive View Sanitarium.

One-story hollow concrete solarium (tile walls); 238x130 feet).

Owner—County of Los Angeles.
 Architect—Eng. Dept. of Owner.

Bids will be taken for general contract, plumbing, heating, electrical, mhoieum, Venetian blinds and special equipment.

HOTELS

Specifications Being Completed.

HOTEL Cost, \$100,000
BLUE LAKE, Lake Co., Cal. 250-acre tract.

Three-story frame and stucco hotel (224x126 feet).

Owner—Blue Lake Hotel and Resort Corp., Harry W. Kemp, President
 Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Will contain 48 rooms, all of which will have private baths. Steam heating; glass enclosed porches. Basement will provide dressing room for bathers, a barber shop and five store rooms.

Bids will be taken within a few days.

Plans Being Prepared.

ADDITION Cost, \$165,000
PHOENIX, Arizona.

Two-story Class A steel frame and concrete addition to hotel (129x220 feet).

Owner—Arizona Biltmore Corp.
 Architect—Earl T. Heitschmidt, 807 Subway Terminal Bldg., L. A.

Contractor—Withheld.

Swimming pool, 60x100 feet, etc.

Plans Being Figured.

HOTEL Cost, \$120,000
SALINAS, Monterey Co., Cal. Monterey Street.

Three-story reinforced concrete hotel (120 rooms).

Owner—Withheld.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Plans Being Prepared.

HOTEL Cost, \$1,000,000
SEATTLE, Wash. SW 6th Avenue and Lenora St.

Twenty-one-story class A hotel (site 120x103-ft.)

Owner—Gardner Gwinn, Inc., Seattle.
 Architect—Withheld.

Will be fireproof construction, faced with brick and trimmed with terra cotta, housing hotel rooms and bachelor apartments. Will be of recessed tower type with basement garage quarters and penthouse apartment on roof. A lease for the proposed structure has already been closed.

Sub-Contracts Awarded.

HOTEL Cost, \$42,000
SALINAS, Monterey Co., Cal. Gabilan St. bet. Main and Monterey Sts.

Three-story concrete hotel.
 Owners—Walter and Leona Debling, Salinas.

Plans by W. W. Hastings, Monterey.
 Contractor—M. J. Murphy, Carmel.

Plumbing, Heating and Sheet Metal—Anderson & Dougherty, Salinas.

Electric Wiring—Langlais Co., 472 Tehama St., San Francisco.

Painting—Krudrig & Meyer, Pacific Grove.

Tile Work—Mission Tile & Mantel Co., Monterey.

Roofing—Tynan Lumber Co., Salinas.
 Bids are being taken for plastering.

Preparing Working Drawings.

HOTEL Cost, \$125,000
LONG BEACH, Los Angeles Co., Cal.

Four-story and basement brick and steel hotel (69 rooms and baths).

Owner—Withheld.
 Architect—Francis H. Gentry, Jergins Trust Bldg., Long Beach.

General Bids To Be Taken May 20th.

HOTEL Cost, \$150,000
RENO, Nevada. 151 Sierra St.

Four-story fireproof hotel and stores (90 rooms with private baths).

Owner—Bartego Bros., Reno, Nev.
 Architect—F. J. DeLongchamps, Gazette Bldg., Reno.

Preparing Preliminary Plans.

HOTEL Cost, \$250,000
OAKLAND, Alameda Co., Cal. Near Lake Merritt.

Eleven-story class A reinforced concrete hotel (150 rooms).

Owner—Name Withheld.
 Architect—Upton & Ralph, 110 Sutter St., San Francisco.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

SANTA ROSA, Sonoma Co., Calif.—Following bids taken under advisement by county supervisors to furnish and install office equipment in office of county clerk, replacing the old system with a modern flat filing system: H. S. Crocker, San Francisco.....\$ 7,080
 M. G. West, San Francisco.....9,276
 Corrick's, Santa Rosa.....9,856
 A. Carlisle Co., San Francisco.....9,957
 Rucker-Fuller Co., S. F.....19,336
 Remington-Rand Co., S. F.....36,976

Bids taken under advisement until supervisors can determine upon type of equipment most suitable for use.

Additional Sub-Contracts Awarded.

STATION Cost, \$50,000
POINT REYES, Marin Co., Cal.

One-story reinforced concrete radio receiving station.

Owner—Radio Corp. of America.
 Engineer—C. H. Snyder, 251 Kearny St., San Francisco.

Contractor—Linggren & Swinerton, Inc., 225 Bush St., San Francisco.

Finish Hardware—Palace Hardware Co., 581 Market St., San Francisco.

Lounge Flooring—J. W. Bender Roofing & Paving Co., 18th and Bryant Sts., San Francisco.

As previously reported, tile awarded to Malott & Peterson, 3221 20th St., S. F.; plastering to Peter Bradley, 639 Brannan St., S. F.; mill work to Pacific Mfg. Co., Monadnock Bldg., S. F.; miscellaneous iron to Fair Mfg. Co., 617 Bryant St., S. F.

CHICO, Butte Co., Cal.—Trustees of the Chico Public Library contemplate the erection of an addition to the present library; estimated cost \$12,000. S. P. Robbins is chairman of the board of trustees.

OAKLAND, Cal.—City council plans to provide funds in 1930-31 budget to modernize elevator system in city hall.

Estimates of cost are now being made by Geo. Wilhelm, commissioner of Public works.

PASADENA, Los Angeles Co., Cal.—Pasadena city planning commission made recommendation to city board of directors for erection of municipal auditorium in accordance with plans prepared by Architects Bennett & Haskell and Edwin Bergstrom.

Cost, \$1,050,000.

OAKLAND, Cal.—J. P. J. Dyer, 3620 Harbor View Ave., Oakland, at \$285 awarded contract by city council to paint exterior plaster on city hall and interior woodwork in the same building at \$295. Informal bids were received on the work.

Plans Completed.

CITY HALL Cost, \$10,000
MORGAN HILL, Santa Clara Co., Cal.

One-story brick city hall.

Owner—City of Morgan Hill.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Bids will be advertised May 17.

MARTINEZ, Contra Costa Co., Cal.—City council takes under advisement informal bid of J. P. Dyer, Oakland, at \$500 to paint city hall.

Plans Being Revised.
LEGION BLDG. Cost, \$2,600,000
 SAN FRANCISCO. Civic Center.
 Four-story and basement concrete
 Class A Legion Building (brick
 backing and terra cotta facing).
 Owner—City and County of San
 Francisco (S. F. War Memorial).
 Architect—G. A. Lansburgh, 140
 Montgomery St., San Francisco.
 251 Kearny St., San Francisco.
 A. Wagstaff, 451 Montgomery St.,
 is in charge of the memorial drafting
 rooms.
 Meeting of the board is being held
 next week to determine what steps
 will be taken.

Plans To Be Prepared.
JAIL. Cost, \$—
 SAN FRANCISCO. Location to be se-
 lected.
 County Jail.
 Owner—City and County of San Fran-
 cisco.
 Architect Not Yet Selected.
 It is proposed to submit a proposal
 to the voters at the November election
 to vote bonds to finance construction.
 A site of 160 acres of Spring Valley
 lands in San Mateo county is being
 considered. The site will be selected
 by members of the Building & Lands
 Committee of the Board of Super-
 visors.

Contract Awarded.
JAIL. Cost, \$—
 GRANTS PASS, Oregon.
 Two-story fireproof county jail, 50x80
 ft., housing 30 prisoners.
 Owner—County of Josephine.
 Architect—Tourtellotte and Hummel,
 Portland.
 General Contract—Oliver Almie, Ar-
 cata, Calif., \$15,993.
 Electric Work—Redwoods Electric Co.,
 Grants Pass, \$986.
 Plumbing and Heating—W. R. Rannie,
 Grants Pass, \$2,760 for plumbing,
 \$2,196 for heating.
 Jail Equipment—Fries and Son, Cun-
 ningham, Kansas, \$18,338.
 Complete bid listing on jail equip-
 ment follows: Fries and Son, Cunn-
 ingham, Kan., \$18,338; Dinuba Steel Prod.
 Corp., San Francisco, \$20,193; Van-
 Dorn Iron Works, Cleveland, O., \$24,-
 675; Pauly Jail Bldg. Co., St. Louis,
 Mo., \$29,981; Southern Prison Co., San
 Antonio, Texas, \$18,656; Geo. W. Zerr,
 St. Louis, \$17,750.

RESIDENCE

Owner Taking Bids.
RESIDENCE Cost, \$10,000
 WILLOW GLEN, Santa Clara Co., Cal.
 One-story and basement frame and
 stucco residence.
 Owner and Builder—A. W. Maderis,
 1501 Lincoln St., San Jose.
 Architect—Wolfe and Higgins, Realty
 Bldg., San Jose.

Plans Being Figured.
RESIDENCE Cost, \$7000
 SAN JOSE, Santa Clara Co., Cal. Na-
 gale Street.
 One-story and basement frame and
 stucco residence.
 Owner—J. S. Mise, 97 N Market St.,
 San Jose.
 Architect—Wolfe and Higgins, Realty
 Bldg., San Jose.
 About ten days will be allowed for
 figuring the plans.

Plans Being Figured.
RESIDENCES Cost \$6,000-\$15,000
 CLEAR LAKE, Lake Co., Cal. Buck-
 ingham Park.
 Ten 1- and 2-story frame and stucco
 residences (5-8- and 9-rooms).
 Owner—Withheld.
 Architect—Chas. Strothoff, 2274 15th
 St., San Francisco.
 Plans will be ready for bids in 30
 days.

Contract Awarded.
RESIDENCE Cost, \$21,500
 SAN FRANCISCO. Marina Blvd. E
 Broderick St.
 Two-story and basement frame and
 stucco residence (10 rooms).
 Owner—Antone Zitsah, 2190 Union
 St., San Francisco.
 Architect—Fabre & Hildebrand, 110
 Sutter St., San Francisco.
 Contractor—Anthony J. Flagg, 2501
 Best Ave., Oakland.
 Will have concrete basement, tile
 roof, tile baths and kitchen, hardwood
 trim, hardwood floors, refrigerators.
 Owner Taking Bids.
RESIDENCE Cost, \$15,000
 BELMONT, San Mateo Co., Cal. Belle
 Monti Country Club.
 Two-story timber & stucco residence
 (8 rooms, 2 baths).
 Owner—W. C. Lyons, Belle Monti
 Country Club, Belmont.
 Plans by Chester J. Dolphin, Redwood
 City.

Glass Contract Awarded.
RESIDENCE Cost, \$25,000
 HILLSBOROUGH, San Mateo Co., Cal.
 Elm, Ralston and Astor Aves.
 Two-story frame and stucco residence
 Owner—G. Sheldon Perhan, 510 Dor-
 chester Ave., San Mateo.
 Architect—William Toepeke, 74 New
 Montgomery St., San Francisco.
 Contractor—G. W. Williams Co., 1404
 Broadway, Burlingame.
 Glass—Crows Glass Co., 675 Golden
 Gate Ave., San Francisco.
 As previously reported lumber con-
 tract awarded to Atlas Lumber Co.,
 San Mateo; mill work to Pacific Mfg.
 Co., Monadnock Bldg., San Francisco;
 plumbing to Morrison & Blair, San
 Francisco; concrete to Gus Adolphson
 San Mateo.

Sub-Contracts Awarded.
RESIDENCE Cost, \$30,000
 HILLSBOROUGH, San Mateo Co., Cal.
 Woodstock.
 Two-story and basement frame and
 stucco residence (10 rooms and 4
 baths).
 Owner and Builder—G. W. Williams,
 1404 Broadway, Burlingame.
 Plans by Russell Coleman, 1404 Broad-
 way, Burlingame.
 Tile Work—N. Clark & Son, 116 Na-
 toma St., San Francisco.
 Roofing—H. Marion Sheet Metal and
 Roofing Co., Burlingame.
 Sheet Metal—Carver Sheet Metal
 Works, 1206 Donnelly Ave., Burl-
 ington.
 Plumbing—Herbert I. Lauder Co., 218
 Lorton Ave., Burlingame.
 Mill Work—Pacific Mfg. Co., Monad-
 nock Bldg., San Francisco.
 Plastering—J. W. Hampton, 1205 Van-
 couver St., Burlingame.
 Glass and glazing ids are now be-
 ing taken. As previously reported lum-
 ber awarded to Wisnom Lumber Co.,
 San Mateo; concrete to Gus Adolph-
 son, San Mateo.

Plans Being Prepared.
RESIDENCES Approx. \$50,000 ea
 HILLSBOROUGH, San Mateo Co.
 Groin of five two-story frame and
 stucco residences.
 Owner—Withheld.
 Architect—Angus McSweeney, 277
 Pine St., San Francisco.

Plans Being Figured—Bids Close May
 21st.
RESIDENCE Cost, \$—
 WOODSIDE, San Mateo Co., Cal.
 One-story frame and stucco residence
 (12 rooms).
 Owner—Leon Sloss Jr., 2700 Broad-
 way, San Francisco.
 Architect—W. W. Wurster, 260 Cali-
 fornia St., San Francisco.
 Will be erected around a court.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$—
 SEATTLE, Washington.
 Three-story reinforced concrete resi-
 dence.
 Owner—D. E. Frederick, Seattle.
 Architect—Lewis P. Hobart, Crocker
 Bldg., San Francisco.
 Plans Being Completed.
RESIDENCE Cost, \$12,000
 HOLLISTER, San Benito Co., Cal.
 Two-story frame and stucco residence
 Owner—Leah Vile.
 Architect—Binder & Curtis, 35 W-San
 Carlos St., San Jose.
 Bids will be taken in about three
 weeks.

Sub-Bids Being Taken.
RESIDENCE Cost, \$10,000
 BURLINGAME, San Mateo Co., Cal.
 One-story frame and stucco residence
 Owner and Builder—G. W. Williams
 & Co., Ltd., 1404 Broadway, Burl-
 ington.
 Plans by Russell Coleman, 1404 Broad-
 way, Burlingame.

Preparing Preliminary Plans.
RESIDENCE Cost, \$20,000
 HILLSBOROUGH, San Mateo Co., Cal.
 Two-story and basement frame and
 stucco residence.
 Owner—Name Withheld.
 Plans by Lloyd C. Simpson.
 Contractor—Lloyd C. Simpson, Hills-
 boro Blvd. and San Raymond, San
 Mateo.

Contract Awarded.
RESIDENCE Cost, \$6000
 SALINAS, Monterey Co., Cal.
 One-story frame and stucco residence
 with (ile roof (5 rooms).
 Owner—A. W. Marsch, Salinas.
 Architect—Swartz & Ryland, Spazler
 Bldg., Monterey; 373 Main St., Sa-
 linas, and Brix Bldg., Fresno.
 Contractor—Wallace Richmond, Sa-
 linas.

Contract Awarded.
RESIDENCE Cost, \$9500
 SAN MATEO, San Mateo Co., Calif.
 San Mateo Park.
 Two-story frame and stucco residence
 Owner—Mrs. Margaret Hansen.
 Plans by Grimes & Schoening, Bal-
 ovich Bldg., San Mateo.
 Contractor—Frank Cavanaugh, 311
 Highland Ave., San Mateo.

Plans Being Figured.
RESIDENCE Cost, \$11,000
 SAN JOSE, Santa Clara Co., Cal. N
 Thirteenth Street.
 Two-story frame and stucco residence
 Owner—T. J. Callahan, 75 N-13th St.
 San Jose.
 Architect—Wolfe & Higgins, Realty
 Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, \$939
 CARMEL, Monterey Co., Cal.
 Two-story frame and stucco residence
 Owner—E. H. Cox, Pebble Beach.
 Architect—Guy Koepp, Dolores St.
 Carmel.
 Contractor—Meese & Briggs, Carmel.

Plans Being Figured By Selected Lis
 Of Contractors—To Be Opene
 May 22nd.
RESIDENCE Cost, \$—
 WOODSIDE, San Mateo Co., Cal.
 Two-story and basement brick veneer
 residence (18 rooms).
 Owner—Walter E. Buck.
 Architect—Farr & Ward, 68 Post St.
 San Francisco.

Contract To Be Awarded.
RESIDENCE Cost, \$35,000
 HILLSBOROUGH, San Mateo Co., Cal.
 Two-story frame and stucco residence
 (15 rooms).

Owner—R. B. Carter, Hillsborough.
Architect—J. K. Ballantine, Jr., 137
Harlan Place, Hillsborough.
Contractor—D. B. Gladstone, 557 Mar-
ket St., San Francisco.

Completing Plans.
RESIDENCE Cost, \$—
SAN FRANCISCO. Green St. W Hyde.
Two-story frame and stucco residence
Owner—A. Craviotto, 48 Russell St.
Plans by M. Baker, 155 Montgomery St.

Work will probably be done by day's labor.

Contract Awarded—Sub-Bids Being Taken.
RESIDENCE Cost, \$7000
SAN FRANCISCO. 30th Avenue near
Fulton St.

Owner—M. Maisler.
Plans by Mr. Douglas.
Contractor—Samuel Douglas, 2491 29th Avenue.

Sub-Contracts Awarded.
RESIDENCE Cost, \$25,000
SAN FRANCISCO. Filbert St. bet.
Pierce and Scott Sts.

Two-story and basement frame and stucco residence (9 rooms).

Owner—Mrs. G. Bacigalupi.
Architect—John H. Powers and John H. Anden, 605 Market St., S. F.
Contractor—R. De Luca & Son, 2256 Jones St., San Francisco.

Excavating—Devincenzi Brothers, 150 Collins St., San Francisco.

Lumber—S. F. Lumber Co., Foot of Mason St., San Francisco.

Cement—J. S. Guerin & Co., 720 Folsom St., San Francisco.

Rock, Sand and Gravel—John Casareto, 6th and Channell Sts., San Francisco.

Reinforcing Steel—Soule Steel Co., Rialto Bldg., San Francisco.

Iron Work—F. Kern & Sons, 517 6th St., San Francisco.

Mill Work—Acme Planing Mill, 1555 San Bruno Ave., San Francisco.

Hardwood Floors—Roma Hardwood Floor Co., 3539 Market St., San Francisco.

Electric Work—T. & T. Electric Co., 415 Tenth St., San Francisco.

Plastering—P. Martire and R. Alessandri, 678 Vienna St., S. F.

Weather Strips—Parker Weather Strip Co., 4328 Geary St., S. F.

Plumbing and Heating—C. Petersen Co., 390 6th St., San Francisco.

Rough Hardware—Fignoni Hardware Co., 1351 Grant Ave., S. F.

Sub-Contracts Awarded.
RESIDENCE Cost, \$30,000
HILLSBOROUGH, San Mateo Co., Cal.
Parkside Avenue.

Two-story and basement frame and stucco residence.

Owner—Countess von Wurmbrand.
Architect—Ed. M. Sharpe, 625 Market St., San Francisco.

Contractor—Oswald & Rucker, Mills Bldg., San Francisco.

Plastering—R. S. Hanley Co.

Brick Work—Chas. Ohran & Sons, 1038 Chula Vista, Burlingame.

Concrete—San Mateo Concrete Co., San Mateo.

As previously reported mill work awarded to Lannom Bros. 5th and Argonola Sts. Oakland; lumber to Wlenom Lumber Co., San Mateo; plumbing to A. W. Forsythe, San Mateo.

Plans Being Figured—Bids Close May 20th.

RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. San Luis Rd.

Two-story English type frame and stucco residence (8 rooms).

Owner—Harry Mulvaney.
Architect—Sidney B. Noble & Archie T. Newsum, Federal Realty Bldg., Oakland.

Excavation Contract Awarded.
RESIDENCE Cost, \$35,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and stucco residence (12 rooms).

Owner—Mrs. George Montgomery.
Architect—E. M. Sharpe, 525 Market St., San Francisco.

Contractor—Oswald & Rucker, Mills Bldg., San Francisco.

Excavation—H. E. Casey Co., San Mateo.

Bids To Be Taken In One Week.
RESIDENCE Cost, \$9000
SAN CARLOS, San Mateo Co., Cal.

One and one-half-story frame and stucco residence (7 rooms).

Owner—Henry Schwarz.
Plans by Grimes & Schoenling, Balovich Bldg., San Mateo.

Bids will be taken for a general contract.

Bids Rejected—Plans Being Revised.
RESIDENCE Cost, \$9500
SAN MATEO, San Mateo Co., Cal.

Second and Humboldt Sts.

Two-story frame and stucco residence (7 rooms).

Owner—Henry Starr.
Plans by Grimes & Schoenling, Balovich Bldg., San Mateo.

New bids will be taken at a later date.

Contract Awarded.
RESIDENCE Cost, \$24,000
SAN FRANCISCO. Marina Blvd. E

Broderick St.

Two-story and basement frame and stucco residence (10 rooms).

Owner—Ray Bacchi, 2198 Filbert St., San Francisco.

Architect—Fabre & Hildebrand, 110 Sutter St., San Francisco.

Contractor—Anthony J. Flogg, 2501 Best Ave., Oakland.

Will have concrete basement, tile roof, tile baths and kitchen, hardwood trim, hardwood floors, refrigerators.

Plans Being Figured—Bids To Be Opened May 21.

RESIDENCE Cost, \$—
WOODSIDE, San Mateo Co., Cal.

One-story frame and stucco residence (12 rooms).

Owner—Leon Sloss, Jr., 2700 Broadway, San Francisco.

Architect—W. W. Wurster, 260 California St., San Francisco.

Will be erected around a court.

Plans Being Prepared.
RESIDENCES \$6000 to \$8000 ea
SAN FRANCISCO. Alemany Blvd.

near Silver Ave.

Four one-story frame and stucco residences (5 rooms each).

Owner and Builder—G. W. Morris.
Plans by D. E. Jaekle, Call Building, San Francisco.

Sub-bids will be called for in one week.

Plans Being Prepared.
ALTERATIONS Cost, \$1500
SAN FRANCISCO. Lombard St., bet.

Hyde and Leavenworth Sts.

Remodel interior of two-story frame and stucco residence.

Owner—Withheld.
Plans by D. E. Jaekle, Call Bldg., San Francisco.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$7500
MILL VALLEY, Marin Co., Calif.

Two-story frame and stucco residence on the roof (6 rooms, separate garage).

Owner—Mr. Henderson.
Architect—Walter Falch, Hearst Bldg., San Francisco.

Will have furnace heating system. Plans will be ready for bids in about two weeks.

Plans Being Prepared.
RESIDENCE Cost, \$15,000
LAKEPORT, Lake Co., Cal.
Two-story frame and stucco residence
Owner—Herbert Kelling, Lakeport.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

SCHOOLS

OAKLAND, Cal.—Until May 27, 4 P. M., bids will be received by John W. Edgemond, secretary, Board of Education, 104 Administration Bldg., 1025 2nd Ave., to furnish and deliver athletic supplies, magazines and periodicals. Specifications and further information obtainable from Business Manager of the Board of Education at the above address.

Sub-Contracts Awarded.
SCHOOL Cost, \$37,000
SAN CARLOS, San Mateo Co., Cal.

One-story 6-classroom concrete grammar school.

Owner—San Carlos Grammar School District.

Architect—E. L. Norberg, 580 Market St., San Francisco.

Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Reinforcing Steel—W. S. Wetenhall Co., 11th and Wisconsin Sts., San Francisco.

Lumber—San Carlos Lumber Co., San Carlos.

Electric Work—Atlas Electric Co., 135 E St., San Mateo.

Sand and Cement—San Carlos Feed & Fuel Co., 800 San Mateo St., San Mateo.

As previously reported, heating awarded to Brand & Sterling, Redwood City, at \$9000.

Commissioned To Prepare Plans.
SCHOOL Cost, \$35,000
LUCKNE, Lake Co., Cal.

Reinforced concrete grammar school.

Owner—Lucerne School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Contract Awarded.
SCHOOL Cost, \$138,462
LOS ANGELES, Cal. Owensmouth

High School Site.

Two-story Class C high school.
Owner—Los Angeles Board of Education.

Architect—A. S. Nihecker Jr., Los Angeles.

Contractor—Gene B. Foster, 1772 N. Sycamore Ave., Los Angeles.

Plumbing—Herbert Allen, Los Angeles, at \$13,950.

Painting—Parker-Jude Co., Los Angeles, at \$4778.

Electric—Gerard Vande, Los Angeles, at \$5435.

Plans Being Prepared.
SCHOOL Cost, \$140,000
SAN LUIS OBISPO, San Luis Obispo Co., Cal.

Dormitory building for California Polytechnic School.

Owner—State of California.
Architect—State Department of Public Wks., Division of Architecture, Public Works Bldg., Sacramento.

Plans Being Prepared.
BUILDINGS Cost, \$735,000
SAN JOSE, Santa Clara Co., Cal.

Administration, Science and Library units at State Teachers' College.

Owner—State of California.
Architect—State Department of Public Wks., Division of Architecture, Public Works Bldg., Sacramento.

Contract Awarded.

SCHOOL Cost, \$—
MENDOCINO, Mendocino Co., Calif.
 One-story redwood rustic school (5 classrooms, administration offices, etc.).

Owner—Mendocino School District.
 Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Contractor—Carl Nelson, 1421 E Channel St., Stockton.

Following is a complete list of bids:
Carl Nelson, Stockton.....\$20,000
George Roek, Stockton.....22,225
C. W. Gibson, Mendocino.....22,220
E. A. Holmes, Mendocino.....23,747
F. H. Warren, Mendocino.....23,875
G. Magnusson, Santa Rosa.....24,130
M. R. Petersen, Sacramento.....27,995
L. Uebels, Ripon.....24,759

Plans Being Prepared.

SCHOOL Cost, \$35,000
HILLSBOROUGH, San Mateo Co., Cal.
 One-story frame and stucco school.
 Owner—Hillsborough School District.
 Architect—Willis Polk Co., 277 Pine St., San Francisco.

Bonds have been voted to finance construction.

BENICIA, Solano Co., Calif.—Until May 16, 2 P. M., bids will be received by H. B. Staley, clerk, Benicia School District, to construct concrete tennis court, and erect tennis court fencing at school grounds. Certified check 10% required with bid. Plans obtainable from clerk.

Bids Opened.

SCHOOL Cost, \$136,000
PITTSBURG, Contra Costa Co., Cal.
 Group of four brick and terra cotta Junior High School buildings (attached) academic building, gymnasium, shops and auditorium.
 Owner—Pittsburg School District.
 Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.
 Wallace Snelgrove, Richmond.....\$128,717
 H. H. Henning, Stockton.....132,450
 Geo. J. Maurer, Oakland.....132,659
 C. A. Bruce & Sons, Pleasanton.....133,000
 Spivock & Spivock, S. F.....134,500
 The Minton Co., Mt. View.....134,801
 C. J. Hopkinson, Sacramento.....135,500
 C. D. Vezey & Sons, Oakland.....136,847
 J. Cavanaugh, Stockton.....137,500
 Mathews Const. Co., Sacto.....139,450
 John E. Branagh, Oakland.....139,800
 Jas. L. McLaughlin, S. F.....141,195
 J. W. Cobby & Son and Bert Owsley, San Francisco.....143,900
 K. E. Parker, San Francisco.....145,400
 E. T. Lesure, Berkeley.....145,737
 Horace Sliho, Pittsburg.....156,513

Preparing Plans.

ADDITION Cost, \$157,000
SANTA ANA, Orange Co. Cal. Julia Lathrop High School.
 Reinforced concrete block high school addition (8 rooms and auditorium)
 Owner—Board of Education.
 Architect—Allison & Allison, California Reserve Bldg., L. A.

Plans Being Prepared.

SCHOOL Cost, \$300,000
BERKELEY, Alameda Co., Cal.
 Complete reconstruction of school for deaf.
 Owner—State of California.
 Architect—State Department of Public Works, Division of Architecture, Public Works Bldg., Sacramento.

Bids Close June 2nd.

SCHOOL Cost, \$—
SIERRA MADRE, Los Angeles Co., Calif.
 Reinforced concrete school (50x200-ft.; 16 classrooms, etc.).
 Owner—Sierra Madre City School District.
 Architect—Marsh, Smith and Powell, Architects' Bldg., Los Angeles.

ing and plastering; (4) heating and ventilating; (5) iron work; (6) tile work; (7) shades; (8) hardware.

Contracts Awarded.

SCHOOL Cost, \$—
SAN FRANCISCO, Onondago, Cayuga, Otsego and Seneca Aves., Third unit of Balboa (South Side) high school, comprising auditorium of steel frame and reinforced concrete, and 4-story reinforced concrete Academic building with tile roof.

Owner—City and County of San Francisco.

Architect—Bakewell and Weihe, 251 Kearny St.

General Contract—McDonald & Kahn, Financial Center Bldg., \$459,000.

Mechanical Equipment—Scott Co., 243 Minna St., \$35,977.

Plumbing—H. Lawson, 465 Tehama St. \$32,000.

Electric Work—R. Flatland, 1399 Mission St., \$41,000.

Plans Being Figured—Bids Close June 3, 8 P. M.

SCHOOL Cost, \$350,000
SAN JOSE, Santa Clara Co., Cal.

Two-story reinforced concrete school.
 Owner—San Jose Board of Education.

Architect—J. J. Donovan, 1916 Broadway, Oakland.

Bids will be taken for a general contract with separate bids for (1) electrical work; (2) plumbing; (3) lath-

Plans Being Figured—Bids Close May 26, 10 A. M.

SCHOOL Cost, \$75,000
ALTURAS, Modoc Co., Cal.

Grammar school (height and type of construction not decided).

Owner—Alturas Grammar School District.

Architect—Starks & Planners, Forum Bldg., Sacramento.

Plans Being Completed.

AUDITORIUM Cost, \$22,000
SAN RAFAEL, Marin Co., Cal.

High school auditorium (reinforced concrete construction).

Owner—San Rafael Board of Education.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Bids will be taken in two weeks.

Plans Being Completed.

SCHOOL Cost, \$20,000
YOUNTVILLE, Napa Co., Cal.

One-story three-classroom hollow tile Spanish type school.

Owner—Yountville School District.

Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento, and 3529 Emerson St., Oakland.

Bids will be taken in one week.

Plans Being Completed.

SCHOOL Cost, \$30,000
 (Bonds voted to finance)

SANTA CRUZ, Santa Cruz Co., Cal. (Gault School).

One-story concrete school.
 Owner—Santa Cruz School District.

Architect—A. I. Coffey, Phelan Bldg., San Francisco.

Plans will be ready for bids in two weeks.

Construction Under Way.

SCIENCE BLDG. Cost, \$50,000
ANGWIN, Napa Co., Cal.

Three-story frame and stucco Science building (laboratories, etc.).

Owner—Pacific Union College (W. E. Nelson, president).

Architect—Chester H. Treichel, American Bank Bldg., Oakland.

Mgr. of Const.—K. J. Henning, 540 Alcatraz Ave., Oakland.

Work is being done by day's labor by owners under supervision of Mr. Henning.

Preparing Working Drawings.

BUILDINGS Cost, \$230,000
LOS ANGELES, Cal.—Chalon Road, West Los Angeles.

Three-story class B reinforced concrete college buildings (91x276-ft.; accommodate 100).

Owner—Mount St. Mary's College, 3900 W. Slauson Ave., Los Angeles.

Architect—Mark Daniels, 10,601 Chalon Road, Los Angeles.

Contractor—J. P. Brennan, 2820 Regent St., Oakland.

Plans Being Figured—Bids Close May 26, 7:30 P. M.

ALTERATIONS Cost, \$—
BEARDSLEY, Kern Co., Cal.

Alterations and additions to school.
 Owner—Beardsley School Dist., A. M.

B. Dieck, clerk, Beardsley.

Architect—Symmes & Cullimore, Haberfelde Bldg., Bakersfield.

Certified check 10% or bidder's bond payable to clerk of district required with bid. Plans obtainable from architects on deposit of \$10, returnable.

Contract Awarded.

ADDITION Cost, \$20,000
SANTA CLARA, Santa Clara Co., Cal.

University of Santa Clara (Montgomery Shops).

One-story top addition to present concrete building (50x130-ft.).

Owner—University of Santa Clara, Santa Clara.

Architect—Eng. Dept. of Owner.

Contractor—H. C. Miller, Stevens Creek Road, Santa Clara.

Construction will start May 19th.

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CORCORAN, Kings Co., Cal.—R. E. Lewis, Corcoran, awarded contract by Corcoran grammar school district for addition of 1 room to grammar school.

Plans Being Completed.

ADDITION Cost, \$70,000
PACIFIC GROVE, Monterey Co., Cal. Seven-classroom and auditorium addition to high school.

Owner—Pacific Grove High School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco.

Bids will be taken in about two weeks.

Plans Being Prepared.

BUILDINGS Cost, \$—
FRESNO, Fresno Co., Cal. State College grounds.

Two-story fireproof administration building, 75x200-ft., and two-story library (auditorium to be undertaken at a later date).

Owner—State of California.
Architect—State Department of Public Works, Division of Architecture State Office Bldg., Sacramento.

Plans Being Completed.

SCHOOL Cost, \$35,000
UPPER LAKE, Lake Co., Calif. One-story reinforced concrete high school.

Owner—Upper Lake Un. High School District.

Architect—William Herbert, Rosenberg Bldg., Santa Rosa.

Plans will be ready for bids in three weeks.

BERKELEY, Alameda Co., Calif.—A. J. Ruhlman Co., 444 Golden Gate Ave., San Francisco, at approximately \$513 awarded contract by Regents of University of California for furnishing window shades in the infirmary building, located on the Campus of the University of California.

BERKELEY, Alameda Co., Calif.—A. J. Ruhlman Co., 444 Golden Gate Ave., San Francisco, at approximately \$1,099 awarded contract by Regents of the University of California for window shades for Giannini Hall, located on the Campus of the University of California.

BERKELEY, Alameda Co., Calif.—Jahl Thomas Co., Oakland, at \$3,992 awarded contract for Johns-Manville floor tile by Regents of University of California for furnishing and installing floor covering for Giannini Hall, located on the Campus of the University of California.

Van Fleet Frear Co., 557 Howard St., San Francisco, at \$7,832.50 awarded contract for linoleum.

BERKELEY, Alameda Co., Calif.—Atlas Elevator Co., 1 Beach St., San Francisco, at \$3,795 awarded contract by Regents of University of California for furnishing and installing elevator at Gilman Hall, University of California Campus, Berkeley.

Plans Being Figured—Bids Close June 3, 7:30 P. M.

ADDITION Cost, \$8500
KING CITY, Monterey Co., Cal. Kindergarten Addition to grammar school.

Owner—King City Union Grammar School District.

Architect—Butner and Stranahan, 22-24 Giltburg Bldg., Sallinas.

Certified check 10% payable to J. Carlson, clerk of the district, required with bid. Plans obtainable from the architects on deposit of \$10, returnable.

See call for bids under official proposal section in this issue.

Sub-Contracts Awarded.

SCHOOL Cost, \$—
\$240,000 voted to finance

MARTINEZ, Contra Costa Co., Cal. Two-story reinforced concrete junior high school (comprising main building, gymnasium building, and shop building).

Owner—Alhambra Union High School District.

Architect—W. H. Weeks, 111 Sutter St., San Francisco.

Contractor—Monson Bros., 475 6th St., San Francisco.

Reinforcing Steel—Concrete Eng. Co., 1280 Indiana St., San Francisco.

Cement—Henry Cowell Lime & Cement Co., 2 Market St., San Francisco.

Structural Steel—California Steel Co., Hobart Bldg., San Francisco.

Miscellaneous Iron—Pacific Iron W'ks, 115 67th St., Oakland.

Painting—R. P. Paoli, 3159 Fillmore St., San Francisco.

Plumbing—George Zara, 1311 Harrison St., San Francisco.

As previously reported heating contract awarded to C. J. Kennedy, Martinez, \$9905; electrical work to T. L. Rosenberg, 441 Webster St., Oakland, \$8790; metal lockers to Worley & Co., 39 Natoma St., San Francisco, \$1585.

Plans Being Completed.

AUDITORIUM Cost, \$22,000
SAN RAFAEL, Marin Co., Calif. High school auditorium (reinf. concrete construction).

Owner—San Rafael Board of Education.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Bids will be advertised for in one week.

Preparing Plans. May 10, 1930

SCHOOL \$355,000 Appropriated

SANTA ANA, Orange Co., Cal. Frances Willard High School plant.

Two-story reinforced concrete and concrete block Junior High School (39 classrooms and auditorium).

Owner—Santa Ana Board of Education.

Architect—Allison & Allison, California Reserve Bldg., L. A.

Bids To Be Taken In Ten Days.

ADDITION Cost, \$150,000
SAN JOSE, Santa Clara Co., Calif. Roosevelt High School.

One-story reinforced concrete high school addition.

Owner—San Jose Board of Education.

Architect—W. H. Weeks, Hunter-Du-lin Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Commissioned To Prepare Plans.
SCHOOL Cost approx. \$400,000

OAKLAND, Alameda Co., Cal. Fremont High School site.
Fireproof high school (height and type of construction not decided).
Owner—City of Oakland School Dist.
Architect—Chas. McCall, 1404 Franklin St., Oakland.

BANKS, STORES & OFFICES

Contract Awarded.

BUILDING Cost, \$25,000
HAYWARD, Alameda Co., Cal.

Two-story brick building (pool room, restaurant and barber shop and three 2-room apts.).

Owner—Anthony Roberts, 667 Castro St., Hayward.

Plans by Mr. Sorensen.

Contractor—Carl Sorensen, 1153 A St., Hayward.

Site Purchased—Plans To Be Prepared

COMMERCIAL BLDG. Cost, \$—
HAWTHORNE, Nevada. SW Broadway and Hawthorne Ave.

Two-story fireproof commercial building.

Owner—E. B. Cappeller, 1731 El Cerrito Place, Los Angeles.

Architect—Not Selected.

Contract Awarded.

OFFICES Cost, \$200,000
SANTA ANA, Orange Co., Cal. Fifth and Main Streets.

Alterations and additions to two-story Class A reinforced concrete offices.

Owner—Orange Co. Title Co., Santa Ana.

Architect—Allen Ruoff, 2024 W. Sixth St., Los Angeles.

Contractor—P. J. Walker Co., W. M. Garland Bldg., Los Angeles.

Contract Awarded.

ALTERATIONS Cost, \$25,000
SAN FRANCISCO. 812 Mission St.

Alterations to present six-story class A steel frame and concrete building (new press foundation, alter offices, etc.).

Owner—San Francisco News.

Engineer and Contractor—J. H. Hjul, 125 Russ St.

Bids for plumbing and electrical work will be taken in one week.

Site Purchased—Plans To Be Prepared.

STORE Cost, \$100,000
SANTA ROSA, Sonoma Co., Cal. Fifth St. (site of J. S. Taylor Bldg.)

Two- or three-story, basement and mezzanine floor reinforced concrete department store.

Owner—S. H. Kress Co., 731 South Broadway, Los Angeles.

Architect—Eng. Dept. of Owner.

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Owner Taking Segregated Figures.
BANK, ETC. Cost, \$3500
SAN FRANCISCO. SW Twentieth
Ave. and Taraval Street.

One-story and basement frame and
brick veneer branch bank and (2)
stores (60x60 feet).

Owner—Floyd H. Steele, 130 St. Elmo
St., San Francisco.

Architect—Geo. De Colmesnil, Ne-
vada Bank Bldg., San Francisco.
A 26 ft. area has been leased by
the American Trust Co.

Contract Awarded.
STORES Cost, \$35,000
OAKLAND, Alameda Co., Cal. East
Franklin St., bet. 17th and 19th
Streets.

Two-story class C concrete and tile
stores and offices.

Owner—Gorrill Estate.
Architect—William & Wastell, 374
17th St., Oakland.

Contractor—L. R. McWethy, 337 17th
St., Oakland.

Sub-bids will be taken in one week.

Sub-Contracts Awarded.
STORE Cost, \$7,500
SAN MATEO, San Mateo Co., Calif.
Third Avenue.

One-story reinforced concrete store
building.

Owner—Mr. Burbank.
Plans by Eng. Dept., The Public Food
Stores, 6th and Townsend Streets,
San Francisco.

Lessee—The Public Food Stores, Sixth
and Townsend Sts., San Francisco
Contractor—Young & Horstmeier, 461
Market St., San Francisco.

Reinforcing Steel—Gunn, Curle & Co.,
444 Market St., San Francisco.

Lumber—Burlingame Lumber Co.,
Burlingame.

Cement—San Mateo Feed & Fuel Co.,
850 San Mateo St., San Mateo.

Plumbing—Morrison & Blair, 415 Villa
Terrace, San Mateo.

Contract Awarded.
ALTERATIONS Cost, \$1500
SAN FRANCISCO. Ocean Ave and
Marina Blvd.

Remodel interior of two-story frame
and stucco drug store and apart-
ments.

Owner—Withheld.

Plans by D. E. Jackle, Call Building,
San Francisco.

Contractor—A. J. Herzog, 635 Victoria
St., San Francisco.

Construction Under Way.
ALTERATIONS Cost, \$10,000
MERCED, Merced Co., Calif.

Alterations to exterior of bank.

Owner—Bank of Italy.

Architect—H. A. Minton, Bank of
Italy Bldg., San Francisco.

Contractor—Thollander Const. Co., 749
Bryant St., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, \$—
MARYSVILLE, Yuba Co., Calif.

Alterations to present brick and stuc-
co warehouse (plate glass front,
etc.)

Owner—J. R. Garrett Co. (E. B. Wil-
cox, president), 3rd St., Marysville.

Private Plans.

Construction Indefinitely Postponed.
CAFE & GRILL Cost, \$50,000
SAN MATEO CO., Calif. Location to
be selected.

One-story frame cafe and grill.

Owner and Builder—Bell Bros., Mills
Bldg., San Francisco.

Architect—E. H. Denke, 1217 Hyde
St., San Francisco.

Plans Being Figured.
BUILDING Cost, \$—
SAN JOSE, Santa Clara Co., Cal. No.
56 W San Fernando St.

Two-story fireproof building.
Owner—Arthur Holmes, Ridgeview
Ave., San Jose.

Architect—Binder & Curtis, 35 W-San
Carlos St., San Jose.

About two weeks will be allowed for
figuring plans.

Plans Being Completed.
OFFICES Cost, \$1,250,000
LOS ANGELES, Cal. NW First and
Spring Streets.

Limit height Class A structural steel,
granite and terra cotta state of-
fices.

Owner—State of California.

Architect—John C. Austin and F. M.
Ashley, Chamber of Commerce
Bldg., Los Angeles.

Plans Being Figured.
OFFICES Cost, \$—
HUNTINGTON PARK, Los Angeles
Co., Cal. No. 1276 W-Second St.

Two-story Class C brick offices.

Owner—Berg Eng. Corp., 1976 Laura
St., Huntington Park.

Architect—M. Eugene Durfee, Bay
Cities Guaranty Bldg., Santa
Monica.

Plans Being Figured.
STORES Cost, \$—
GONZALES, Monterey Co., Cal.

One-story concrete and steel stores.

Owner—Sneible & Tavernetti, Sun-
nyvale.

Architect—Swartz & Ryland, Spazier
Bldg., Monterey; 373 Main St., Sa-
linas, and Brix Bldg., Fresno.

Contract Awarded.
STORES Cost, \$25,000
MARYSVILLE, Yuba Co., Cal. D St.

One-story brick stores.

Owner—C. F. Aaron.

Architect—Dean and Dean, California
State Life Bldg., Sacramento.

Lessee—Hart, Shaffner & Marx.

Contractor—Wm. C. Keating, Forum
Bldg., Sacramento.

Following is a complete list of bids:

Wm. C. Keating, Sacramento.....\$28,650

E. T. Riley, Sacramento.....30,723

C. J. Hopkinson, Sacramento.....30,908

F. H. Betz, Sacramento.....32,608

W. M. Evans, Chico.....33,853

J. R. Burroughs, Sacramento.....34,450

Completing Plans.
ALTERATIONS Cost, \$150,000
SAN FRANCISCO. Hunter-Dulin
Bldg., 111 Sutter St.

Remodel present building.

Owner—Hunter-Dulin Bldg. (A Gar-
rison, Mgr.), 111 Sutter St., S. F.

Architect—Earl T. Heltschmidt, 807
Subway Terminal Bldg., Los An-
geles.

Bids will be taken for a general
contract at a later date.

The work will include two new el-
evators, elevator enclosures, art metal
work, marble and tile work, skylights
terra cotta work, composition roof-
ing, metal sash, etc.

Sub-Bids Being Taken.
OFFICES Cost, \$25,000
BERKELEY, Alameda Co., Cal. Sha-
tuck Ave. near Center St.

One-story brick and terra cotta offices
(41 ft. frontage).

Owner—Pacific States Savings & Loan
Association.

Architect—O'Brien Bros. and W. D.
Peugh, 315 Montgomery St., San
Francisco.

Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco.

Wrecking—Symon Bros. Wrecking Co.

Sub-bids are wanted on brick work,
mechanical work, etc.

Contract Awarded.
EXCHANGE Cost, \$200,000
LOS ANGELES, Cal. No. 1439 Gower
Street.

Five-story and basement Class A re-
inforced concrete telephone ex-
change.

Owner—Southern California Tele-
phone Company.

Architect—Eng. Dept. of Owner.

Contractor—K. R. Bradley Constr. Co.,
1833 W. Pico St., Los Angeles.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$13,000
SAN JOSE, Santa Clara Co., Cal. Mar-
ket & San Antonio Sts., San Jose

Alterations to brick store building (6
stores).

Owner—Auzerais Estate Co., Auzerais
Bldg., W Santa Clara St., San
Jose.

Plans by H. A. Bridges, 1393 Lincoln
St., San Jose.

Contractor—H. A. Bridges, 1393 Lin-
coln St., San Jose.

A 50x90-ft. area has been leased by
Black's Package Co., San Jose.

Painting contract to be awarded.

Plumbing—Mark J. Cox, 1091 Carolyn
St., San Jose.

Brick Work—Frank Filbin, 1140 Martin
St., San Jose.

Electric Wiring—Guilbert Bros., 236
W Santa Clara St., San Jose.

Mill Work—Pacific Mfg. Co., 710 Bel-
lomy St., Santa Clara.

Sheet Metal—Henry Eitzert, 33 Broad-
way, San Jose.

Plastering—W. G. Newman, 1523 Hes-
ter St., San Jose.

Tile—Jas. S. Simpson, 46 W Julian
St., San Jose.

Glass and Glazing—Garden City Glass
Co., 762 Lenzen St., San Jose.

THEATRES

Plans Being Revised.
OPERA HOUSE Cost, \$1,500,000
SAN FRANCISCO. Block bounded by
Van Ness Ave., Franklin, Grove
and Fulton Sts.

Six-story Class A opera house, seat-
ing capacity, 4000; standing room,
500.

Owner—City and County of San
Francisco (S. F. War Memorial).

Architect—G. A. Lansburgh, 140
Montgomery St., & Arthur Brown,
251 Kearny St., San Francisco.

Meeting of the board is being held
next week to determine what steps
will be taken.

Preparing Plans.
THEATRE Cost, \$275,000
COMPTON, Los Angeles Co., Cal.

Two-story Class A reinforced concrete
theatre, stores and offices (audi-
torium to seat 2000; 6 stores).

Owner—Fox West Coast Theatres,
Washington St. and Vermont Ave.,
Los Angeles.

Architect and Engineer—Balch &
Stanbery, Film Exchange Bldg.,
Los Angeles.

Bids Under Advisement.
THEATRE Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal.

One-story and mezzanine floor con-
crete modern theatre (to seat ap-
proximately 1,000).

Owner—Redwood Theatres, Inc., Geo
M. Mann and Chas. K. Koerner.

Architect—N. R. Coulter, 46 Kearny
St., San Francisco.

Bids are now in owner's hands. An-
nouncement will be made about May
14th.

Plans To Be Prepared.
THEATRE Cost, \$2,000,000
SACRAMENTO, Cal. NE Tenth and
L Streets.

Structural steel and reinforced con-
crete Class A theatre (to seat
2500).

Owner—Warner Bros. Pacific State
Theatres.

Architect—G. Albert Lansburgh, 140 Montgomery St., San Francisco, and Consolidated Bldg., Los Angeles.

Segregated Bids Being Taken.
THEATRE Cost, \$165,000
PASO ROBLES, San Luis Obispo Co., Calif.

One- and two-story reinforced concrete class A building (theatre to seat 1200; store, offices and apartments).

Owner—T. & D. Jr. Enterprises, Inc., 983 Market St., San Francisco (Mr. Naefy in charge).

Architect—Albert H. Larsen, 447 Sutter St., San Francisco.

Preparing Working Drawings.
REMODELING Cost each \$20,000
VALLEJO, Solano Co., Calif.
Remodel two theatre buildings.

Owner—Fox-West Coast Service Corp. Washington and Vermont Streets, Los Angeles.

Architect—Balch and Stanbery, Film Exchange Bldg., Los Angeles.

Work will include remodeling the fronts, interior alterations, painting and decorating, etc. The estimated cost is \$20,000 each.

Completing Plans.
THEATRE Cost, \$275,000
POMONA, Los Angeles Co., Calif.

Third and Gary Streets.

Two-story Class A reinforced concrete theatre (105x190 feet).

Owner—Fox West Coast Theatres, Inc., Washington and Vermont Sts., Los Angeles.

Architect—Balch & Stanbery, Film Exchange Bldg., Los Angeles.

Bids will be taken in two weeks.

WHARVES AND DOCKS

Contract Awarded.
PIER Cost, \$600,000
SAN FRANCISCO. Foot of Green St.

Steel frame and concrete pier (to be known as Pier No. 15).

Owner—State of California.

Engineer—F. G. White, chief engineer, State Harbor Commission, Ferry Building.

Contractor—Healy-Tibbitts Const. Co., 64 Pine St.

Following is a complete list of bids:

Healy-Tibbitts Const. Co. \$223,340

Merritt Chapman & Scott 329,500

Clinton Const. Co. 329,540

MacDonald & Kahn 334,650

M. B. McGowan 336,598

Pan-Pacific Piling & Const. Co. 346,000

Schuler & MacDonald, Oakland 363,000

MISCELLANEOUS CONSTRUCTION

Contract Awarded.
PAINTING Cost, \$—
SAN FRANCISCO. The Embarcadero.

Painting portions of Ferry Bldg. and adjoining structures.

Owner—State of California.

Engineer—F. G. White, chief engineer, State Harbor Commission, Ferry Building.

Contractor—D. E. Burgess, Box 432, Stockton.

Following is a complete list of bids:

(1) painting work; (2) burning and scraping.

D. E. Burgess, Stockton, (1) \$9,647; (2) \$1,225.

W. G. Thompson, (1) \$10,700; (2) \$1,625.

W. P. Blemert, (1) \$11,438; (2) \$1,875.

E. Anderson (1) \$12,867; (2) \$1,500.

Raphael & Co. (1) \$14,318; (2) \$1,275.

Aristo Painting Co., (1) \$14,468; (2) \$1,450.

A. Kahler, (1) \$14,750; (2) \$1,600.

Patterson Bros., (1) \$16,800; (2) \$1,625.

D. Zelinsky & Son, (1) \$17,150; (2) \$1,250.

J. J. Burdon, (1) \$22,240; (2) \$750.

A. Quandt & Son, (1) \$25,433; (2) \$1,800.

EUREKA, Humboldt Co., Cal.—Halsby & Lax, Eureka, at \$927.65

awarded contract by city council to construct concrete foundation for bird cage at Sequoia Park; engineer's estimate \$750.

ALAMEDA, Alameda Co., Cal.—Until May 20, 8 P. M., bids will be received by W. E. Varcoe, city clerk, to furnish and deliver:

1875 tons, more or less, crushed rock; 1250 tons, more or less, screenings; 810 tons, more or less, bird's eye screenings.

Certified check 10% payable to city required with bid. Further information obtainable from clerk.

MARCH FIELD, Riverside Co., Cal.—Construction of a swimming pool for enlisted men is contemplated at March Field, according to Col. W. C. Gardin-

hire, constructing quartermaster, who desires information from concerns that supply swimming pool equipment, particularly pumps and chlorinators.

Sub-Contracts Awarded.
SWIMMING POOL Cost, \$14,000
ATHERTON, San Mateo Co., Calif.

Atherton Avenue.

Reinforced concrete swimming pool (10 dressing rooms, showers and kitchenette; cement and brick pavements, garden, etc.)

Owner—Charles Haas, Atherton Ave., Atherton.

Architect—Gardner Dailey, 425 Mason St., San Francisco.

Contractor—Meese and Briggs, 1425 Broadway, Burlingame.

Lumber and Mill Work—Progress Lbr. Co., Redwood City.

Concrete—John Morey, Palo Alto.

Plumbing—P. E. Brand, Redwood City

Completing Plans.
POOL Cost, \$5000
WILLOWS, Glenn Co., Cal.

Reinforced concrete swimming pool (30x75-ft., depth 2-ft. 6-in. to 9-ft. 6-in.); two 1-story frame dressing rooms.

Owner—Williams Tennis Club.

Architect—O. Deichman, 110 Sutter St., San Francisco.

Segregated figures will be taken in one week.

EUREKA, Humboldt Co., Cal.—Until May 20, 5 P. M., bids will be received by John Griffith, city superintendent of public works, 524 D St., for painting three wooden tanks in connection with municipal water system. Previous bids rejected due to irregularities in the bidding. Specifications obtainable from above.

Completing Plans.
POOL Cost, \$5000
WILLOWS, Glenn Co., Cal.

Reinforced concrete swimming pool (30x75 ft., depth 2 ft. 6 in. to 9 ft. 6 in.); two 1-story frame dressing rooms

Owner—Williams Tennis Club.

Architect—O. Deichman, 110 Sutter St., San Francisco.

Segregated figures will be taken in one week.

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Owner—Williams Tennis Club.

Architect—O. Deichman, 110 Sutter St., San Francisco.

Segregated figures will be taken in one week.

Preparing Working Drawings.
AMUSEMENT CENTER Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal.

Adjoining Municipal Wharf.

Amusement center (1st unit comprises casino, bath house and plunge).

Owner—John Tait et al, San Francisco

Architect—L. D. Esty, Alta Bldg., Santa Cruz.

Mr. Esty is preparing plans for the first unit only. Plans will be ready for figures in September.

SACRAMENTO, Cal.—June 10 is the date set by city commissioners for election to vote bonds of \$150,000 to finance developments at the municipal airport, involving hangars, office facilities, etc. Fred J. Klaus, is city engineer.

PASADENA, Los Angeles Co., Cal.—Pasadena City Building Department will complete plans in about two weeks for replacement of wooden seats in Rose Bowl with concrete, increasing the seating capacity to 100,000. There will be approximately 18 miles of seats.

Sub-Bids Being Taken.
MARKET Cost, \$6000
SAN FRANCISCO. SE Taylor and Francisco Streets.

One-story and mezzanine floor reinforced concrete market.

Owner—A. La Rocca, 2360 Jones St., San Francisco.

Architect—Louis Mastropasqua, 580 Washington St., San Francisco.

Contractor—De Luca & Son, 666 Mission St., San Francisco.

Plans Being Figured By Selected List of Contractors.
ART GALLERY \$50,000 available
STOCKTON, San Joaquin Co., Calif.

Victory Park.

Haggin Memorial Museum and Art Gallery.

Owner—San Joaquin Pioneer and Historical Society (Donation of Mrs. Ella McKee).

Architect—W. J. Wright, Mall Bldg., Stockton.

Consulting Architect—Lewis P. Hobart, Crocker Bldg., San Francisco

Bids are to be in by May 21st.

Sub-Contracts Awarded.
PAVILION Cost, \$12,000
MANTECA, San Joaquin Co., Cal.

One and two-story brick dance pavilion.

Owner—S. D. E. S. M. Society (Portuguese Society)

Architect—Jos. Losekann, 931 N. El Dorado St., Stockton.

Contractor—T. E. Williamson, 1859 W. Park Ave., Stockton.

Plumbing and Sheet Metal Work—A. D. Ray, 735 E. Lafayette St., Stockton.

Masonry—S. H. Bartman, 336 E. Blaine St., Stockton.

Electric Wiring—Eddy Electric Co., 309 E. Weber St., Stockton.

Painting—Henry Wolters, 1233 College Ave., Stockton.

Lumber—San Joaquin Lumber Co., Scott and Madison Sts., Stockton.

Plastering bids are being taken. Concrete is now being poured and building to be completed by June 15th

Construction Under Way.
MAUSOLEUM Cost, \$75,000
VALLEJO, Solano Co., Cal.

Benicia and Glen Cove roads.

Reinforced concrete mausoleum (marble and bronze interior).

Owner & Builder—T. L. McCew, Val- lejo.

Plans by Owner.

Marble—George Eastman, 209 Mississippi St., San Francisco.

Bids Open—Held Under Advisement
POOL Cost, \$20,000
SAN LEANDRO, Alameda Co., Calif.
 At Roosevelt Grammar School in
 Dowling Bldg.

Concrete swimming pool, 60x120-ft.
 Donation of Henrietta Farrell, dec'd.
 Engineer—Merrill Guitwitz, assistant
 city engineer, San Leandro.

Following is a list of the bidders:
 Bell Co., 1826 E 15th St., Oakland.
 J. B. Bishop, 487 Athol St., Oakland.
 Carl T. Doell, 487 21st St., Oakland.
 Chester A. Gossett, 327 Davis Court,
 Oakland.

Wm. C. Keating, Central Bank Bldg.
 Oakland.

George Petersen, 2208 34th St., Oak-
 land.

George Prentice, 2207 13th Avenue,
 Oakland.

Schreiber Bros., 2945 Elmwood, Oak-
 land.

Scott Co., 1130 10th St., Oakland.

A. Soda & Son, Oakland.

Spivock & Spivock, Hobart Bldg.,
 San Francisco.

Sullivan & Sullivan, Oakland.

Wallace Walcox.

F. J. Westlund, 625 40th St., Oak-
 land.

Chas. D. Vezey & Son, 354 Hobart
 St., Oakland.

International Filter Co., Monadnock
 Bldg., San Francisco.

McLeran Co., Hearst Bldg., San
 Francisco.

Martin & Farr.

Bids have been referred to City En-
 gineer for tabulation.

Madera County supervisors have
 been petitioned to call an election to
 vote bonds of \$100,000 to finance erec-
 tion of a new county hospital to re-
 place the present plant.

TO CUT WAGES

Wages of sheet mill workers in
 union plants throughout the country
 will be reduced $\frac{1}{2}$ per cent, May 1.
 According to the Western Sheet and
 Tin Plate Manufacturers' Association,
 (New York), wages for May and June,
 based on a selling price of \$2.90 per
 100 pounds will be 22 $\frac{1}{2}$ per cent above
 the base rate against 27 per cent in
 March and April.

TO VOTE BONDS

An election has been called at Vi-
 salla, Tulare County, for June 6 to
 vote bonds of \$210,000 to finance the
 erection of additions to the present
 high school plant. The additions will
 comprise classrooms, administration
 quarters, auditorium and a central
 heating plant, it is announced by De
 Witt Montgomery, city superinten-
 dent of schools.

An election will be held June 9 in
 the Monterey Union High School Dis-
 trict, Monterey County, to vote bonds
 of \$225,000 to finance improvements
 and additions to the high school
 plant. Tentative plans for the de-
 velopments have been prepared by Ar-
 chitects Swartz & Ryland with offices
 at Monterey, Salinas and Fresno.

JAS. CREGGAN PASSES

James F. Creggan, 63, vice-presi-
 dent of the California Pottery Com-
 pany, was fatally stricken with a
 heart attack in Oakland last Monday
 evening.

Mr. Creggan was a native of San
 Francisco, a member of California
 Council, No. 380, Knights of Colum-
 bus; Lodge No. 3, B. P. O. E., and
 various other societies. He was for
 many years active in Democratic pol-
 itics.

LONG TERM FEATURES OF MODERN MORTGAGE PROVES AID TO HOME OWNERSHIP

The villian who held the mortgage
 got the beautiful daughter, in the old
 fashioned plays, because her father
 had never heard of amortization, says
 the National Association of Real Es-
 tate Boards.

Modern people chuckle at the old
 themes that pictured the family be-
 ing evicted at the hour the mortgage
 was due which usually occurred in the
 dead of night during a heavy snow-
 storm, says the Association, but few
 stop to think that these scenes re-
 flected the tenor of those times.

People did lose their home in those
 days through the operation of the old
 fashioned mortgage, says the Associa-
 tion, first, because its term usual-
 ly extended for only a year, and sec-
 ond, because there was no plan for
 its gradual reduction by periodical
 payments.

The year would pass only too quick-
 ly, sickness and other unforeseen
 events would drain the family savings,
 and the maturity date of the mortgage
 would find them faced with the ne-
 cessity of either raising the entire
 amount or throwing themselves on the
 mercy of the mortgagor for renewal.
 And these mortgagors, who were of-
 ten just private individuals with a lit-
 tle money to lend, and who were in
 no way trying to build a business in
 this field, and therefore, had no feel-
 ing of serving a client by extending
 the time, probably did demand Lucy
 in marriage or otherwise harass the
 luckless home owner.

Extensions Aid Home Ownership

The gradual development of the
 long-term mortgage and the inaugura-
 tion of the amortization plan of paying
 it off in small monthly instalments has
 helped thousands of people to buy
 homes in this country and to retain
 them after they got them.

The realty association quotes A. A.
 Zinn, Kansas City, president of the
 Mortgage Bankers' Association of
 America, and Leonard E. Fackner,
 controller of the Metropolitan Life
 Insurance Company, on the history of
 the modern mortgage.

"Fifty years ago most mortgages
 were made for twelve months, with
 the principal due all at one time,"
 says Mr. Zinn. "But the growth of the
 country and especially the growth of
 the savings banks and life insurance
 companies gave the mortgage more
 dignity and the home owner fewer bad
 nights."

"Thus, these financial institutions,
 looking for safe places in which to in-
 vest their ever growing funds, cov-
 ered the country with a net-work of fi-
 nancial correspondents who bought
 mortgages for them and fast displaced
 the family 'friend' who had been con-
 ducting this business heretofore."

"These institutions, supplemented by
 regular mortgage loan companies that
 were beginning to specialize in this
 field, soon realized the advantage of
 having steady incomes for more than
 the usual year period, and the terms
 were gradually extended to three and
 five years, with the full principal,
 however, still payable at maturity."

Payments Make Compulsory

"Then these companies began to see
 that few people were able to put by
 money to meet more or less large
 sums, unless they are required to do
 so. And they began to see that few
 people will make voluntary partial
 payments on mortgage loans. So the
 plan of reducing the mortgage by pe-
 riodical payments was evolved: this
 plan provides for monthly, semi-an-
 nual, or annual principal payments of

sums that are scarcely missed from
 the family earnings.

"In addition to removing the dread-
 ed fatal day when the entire sum was
 due, the amortization plan teaches
 borrowers habits of systematic saving
 which they often continue after the
 mortgage is paid."

"But the mortgage was to have an
 even greater evolution. Loans are
 now made for ten, twelve, and even
 twenty years. This was good busi-
 ness for the companies. It cut down
 on their overhead, as it cost so much
 to handle renewals, or to place their
 funds in other hands when short term
 mortgages were paid. The longer
 terms assured them of steady incomes
 for longer periods."

Metropolitan Makes Long Loans

"We have always, as a general rule,
 preferred the long term mortgage,"
 says Mr. Leonard Fackner, control-
 ler of the Metropolitan Life Insurance
 Co., the largest insurance company in
 the world, whose outstanding mort-
 gage loans at present amount to more
 than a billion dollars. "As you, of
 course, realize we annually invest large
 sums in first real estate mortgages. It
 is our object to invest this money and
 keep it invested for as long a period
 as possible consistent with safety and
 adequate return."

"It is for this reason, therefore,
 that practically all of the larger loans
 we make on strictly commercial prop-
 erties are for a long term, ranging ten,
 fifteen or twenty years. On residential
 loans, in addition to the advantage of
 these long terms described above,
 there is the advantage to the owner
 of gradually reducing his indebtedness
 on his home without the fear of having
 his mortgage called, or of necessity
 arranging for an extension or new
 mortgage during a period when it
 might prove a hardship."

Naturally, all companies use care
 in placing their mortgages in the be-
 ginning, and the borrower's ability to
 pay is investigated, so they reason
 that if the man is good for three
 years' interest, he is good for three
 years', if he wants the mortgage to
 last that long. And, of course, he
 does! The longer term permits him
 to settle down and pay it off in com-
 fortable instalments. He is not har-
 assed by thoughts of possible refusals
 of renewals. He does not have to pay
 renewal or refinancing charges and
 commissions, which often run high.
 His dreams must certainly be sweeter!

BAKERSFIELD COUNCIL DEFERS ACTION ON LICENSE LAW

Members of the building trades in
 Bakersfield have petitioned the city
 council for the passage of an ordi-
 nance requiring general and sub-con-
 tractors to post a surety bond to in-
 sure protection for the general public.

The petition asks that two classifi-
 cations be made, Class A and Class
 B. Class A contractors, under the
 plan, will be forced to post a bond of
 \$10,000 and Class B contractors the sum
 of \$5,000.

The plan is modeled after that used
 in Compton, Calif., which is said to
 have worked out in a beneficial man-
 ner to both the contractors and the
 public. Pledgers for the surety bond
 ordinance say that the Compton plan
 has been successful to a high degree
 and has aided in legitimizing the gen-
 eral and subcontracting jobs.

The council appointed a committee
 to investigate the matter and will vote
 on it at next Monday night's session.

Engineering News Section

BRIDGES

SHASTA COUNTY, Cal.—Until June 1, 2 P. M., bids will be received by State Highway Commission to construct timber bridge over Salt Creek about 15 miles east of Redding, consisting of one 60-ft. pony truss span on concrete piers and six 19-ft. approach spans on frame bents with concrete pedestals.

See call for bids under official proposal section in this issue.

OLYMPIA, Wash.—Until June 17, bids will be received by State Highway Commission for the steel superstructure of the new Aurora bridge in Seattle, involving 7500 tons structural steel; estimated cost \$1,500,000. Plans obtainable from Samuel J. Humes, State Director of Highways at Olympia.

MONTEREY, Monterey Co., Cal.—Dean Construction Co., Berkeley, at \$24,245 awarded contract by State Highway Commission to construct a timber bridge across Alder Creek, about 29 miles north of San Simeon, consisting of sixteen 19-ft. spans on frame bents with concrete pedestals, involving: 600 cu. yds. struc. excav.; 140 cu. yds. class B Port. cem. conc.; 127 M. ft. b.m. redwood timber, dense select all-heart stud grade; 45 M. ft. b.m. redwood timber, select all-heart stud grade; 69 tons broken stone bit, macadam surf.; 6 tons asph. road oil; 1 lot, misc. items of work.

EUREKA, Humboldt Co., Calif.—Henry Padgett, Eureka, at \$4,418 submitted low bid to county supervisors to construct Quill Slough culvert. All bids, taken under advisement, follow:

Henry Padgett	\$4,418
Oliver S. Omlie	4,963
Walter Selvig	5,125
Elmer Gardner	6,165

EUREKA, Humboldt Co., Calif.—Henry Padgett, Eureka, at \$7,200 awarded contract by county supervisors to construct bridge over Old River near Ferndale. Complete list of bids follows:

H. Padgett	\$7,200
Elmer Gardner	7,344
H. A. Anderson	7,890
Smith Brothers	8,654
Engineer's estimate	8,000

CHICO, Butte Co., Cal.—T. H. Polk, Chico, only bidder at \$1,649 awarded contract by city council to widen Broadway bridge over Little Chico Creek, involving removal of old r. r. trestle west of the bridge and widening by 19 ft., 5 ft. of which will be for sidewalk. Concrete construction.

SACRAMENTO, Calif.—U. S. War Department has approved plans submitted by Sacramento county supervisors for proposed Snodgrass Slough bridge near Walnut Grove; estimated cost \$60,000. Chas. W. Deterding, Jr., county engineer.

OROVILLE, Butte Co., Cal.—T. H. Polk, Chico, at \$3,370 awarded contract, by county supervisors to construct wooden bridge over Chico Creek near the Frank Mickey place on the proposed Chico Canyon road.

NEVADA COUNTY, Cal.—California State Highway Commission seeks authority of State Railroad Commission to construct an overhead crossing over the tracks of Southern Pacific Railroad two miles west of Crystal Lake, Nevada County, known as Yuba Pass, at an estimated cost of approximately \$67,335.25.

SHASTA COUNTY, Cal.—California State Highway Commission seeks authorization of the State Railroad Commission to construct an undergrade crossing under the tracks of Southern Pacific Company at Cottonwood, approximately 14 miles south of Redding, Shasta County, at an estimated cost of approximately \$130,000.

KERN COUNTY, Cal.—California State Highway Commission seeks authorization of Railroad Commission to construct an undergrade crossing of the tracks of The Atchison, Topeka & Santa Fe Railway Company at Wasco, Kern County. The estimated cost of the proposed undergrade crossing is \$38,600, exclusive of paving, and the railway company has agreed to pay 50 per cent of the same.

REDDING, Shasta Co., Cal.—Until May 23, bids will be received by county supervisors to construct Oregon Gulch Bridge. Plans obtainable from County Surveyor Carl F. Mau.

SANTA BARBARA, Cal.—Until 10 A. M., June 2, bids will be received by the county supervisors for the construction of a structural steel highway bridge with wooden floors and rails, concrete footing and abutments, including painting or painting and galvanizing, over San Roque Creek, on the Goleta Foothill Blvd., 3rd Road Dist. Plans may be obtained from the county surveyor's office upon deposit of \$5. Certified check, 5%. D. F. Hunt, clerk of the board.

REDWOOD CITY, San Mateo Co., Cal.—County supervisors petitioned to construct bridge over Seal Creek slough east of Beresford Park. Referred to County Surveyor George A. Kneese for report.

SHASTA COUNTY, Cal.—As previously reported, bids will be received June 4 by State Highway Commission to construct timber bridge over Salt Creek, 15 miles east of Redding, consisting of one 60 ft. pony truss span on concrete piers and six 19 ft. approach spans on frame bents with concrete pedestals. Project involves: 300 cu. yds. structure excavation; 68 cu. yds. class A cement concrete (structure); 78 cu. yds. class A cement concrete (pavement); 30 cu. yds. class B cement concrete; 16,500 lbs. reinf. steel; 17,750 lbs. structural metal; 3100 lbs. steel castings; 3 m. ft. board measure redwood timber, dense select all-heart structural grade; 26 M. feet board measure redwood timber, select all-heart structural grade; 1 lot miscellaneous items of work.

MODESTO, Stanislaus Co., Cal.—County Surveyor J. H. Hoskins completes plans for fixed span bridge over the San Joaquin river northeast of

Patterson. Bids for construction will be asked when the plans have received the approval of the War Department.

SACRAMENTO, Cal.—County Engineer Chas. Deterding Jr., instructed by county supervisors to prepare plans for bridge over Snodgrass Slough, construction having been authorized by the War Department.

DREDGING, HARBOR WORKS & EXCAVATIONS

BAY POINT, Contra Costa Co., Cal.—Peter Bollomo, Bay Point, will spend \$7000 in the construction of a yacht harbor on Suisun Bay just north of Bay Point.

LONG BEACH, Cal.—A bond issue of \$300,000 for the construction of a navy landing pier is to be voted on at the election May 13. Plans have been prepared and approved by the consulting engineers Leeds & Barnard. The work includes more than 1000 feet of rock work west of the outer end of the Rainbow Pier.

STREET LIGHTING SYSTEMS

SAN FRANCISCO—Until May 21, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to install ornamental street lighting system in Hyde street between Market and California Sts. Plans obtainable from Bureau of Engineering, 3rd Floor, City Hall.

EUREKA, Humboldt Co., Cal.—City council petitioned to install ornamental electrolier system in Fourth St., bet. Broadway and Myrtle St., the work to be done under the Imp. Act 1925. Taken under advisement.

OAKLAND, Cal.—City Council declares intention to install ornamental electrolier system together with undergroud system in Foothill Blvd., between 55th and 62nd Aves., involving 59 single-light standards. 1911 Act. Hearing May 29. Frank C. Merritt, city clerk. Walter N. Frickstad, city engineer.

CHICO, Butte Co., Cal.—Until May 27, 8:15 P. M., bids will be received by H. H. Hume, city clerk, to install, operate and maintain a system of electrolier street lights in various streets, involving 68 electrolier standards in all. Certified check 10% required with bid. Further information obtainable from city clerk.

LOS ANGELES, Cal.—H. C. Reid Co., 389 Clementina St., San Francisco, submitted low bid to the county supervisors May 12 at \$20,861 for constructing a lighting system in Brooklyn Ave., between Record St. and Mednik Ave., Belvedere, C. I. No. 535, involving 48 Marbelite standards, type 2500. Estimate, \$21,675. The other bids were: R. A. Wattson, \$21,322; John R. Davis, \$21,492; Newbery Elec. Co., \$22,020; Walker & Martin, \$22,700.

MACHINERY AND EQUIPMENT

OAKLAND, Cal. — General Engineering & Drydock Co., Ft. of Fifth Ave., Oakland, at \$8975 awarded contract by City Port Commission for dredge repairs.

HAWTHORNE, Nevada — Until June 5, 10 A. M., bids will be received by S. T. Kelso, county clerk, to furnish and deliver 2½-ton or 3-ton motor truck, with or without dump body. Further information obtainable from clerk.

YUBA CITY, Sutter Co., Cal. — Until May 23, 7 P. M., bids will be received by John P. Onstott, clerk, Yuba City Union High School District, to furnish and deliver school bus. Certified check 10% payable to clerk required with bid. Specifications obtainable from clerk.

REEDLEY, Fresno Co., Cal. — Logan Auto Co., Fresno, at \$2,575 for chassis and \$1,950 for coach, awarded contract by Reedley High School District to furnish and deliver 42-passenger school bus.

EL CENTRO, Imperial Co., Cal. — The county purchasing agent has been authorized by the supervisors to advertise for bids for supply road district No. 1 with one 2 ft. road grader, Austin-Western type; to advertise for bids for one Caterpillar type tractor No. 30 for road district No. 1; and to purchase two carloads of lumber for road district No. 4.

SAN FRANCISCO — Until May 19, 2 P. M., bids will be received by the U. S. Forest Service, Ferry Bldg., to furnish and deliver nine reversible bulldozer attachments to be fabricated and assembled to attach to a Model 30 Caterpillar. Specifications and further information obtainable from above office.

FIRE EQUIPMENT

RIVERBANK, Stanislaus Co., Cal. — City trustees will ask bids shortly to furnish and deliver a 1½-ton chassis and 300- to 400-gal. pump for fire department. G. C. Staley is city clerk.

YUBA CITY, Sutter Co., Cal. — City council plans purchase of 500 ft. 2½-inch hose for fire department. Informal offers have been submitted by two concerns.

RESERVOIRS AND DAMS

SACRAMENTO, Cal. — MacDonald & Kahn, Financial Center Bldg., San Francisco, at \$12,000 awarded contract by U. S. Engineer Office, for construction of a group of test tunnels at the proposed Coram dam site in Shasta County.

SEWERS AND SEWAGE DISPOSAL PLANTS

SANGER, Fresno Co., Cal. — Sanger Plumbing House, Sanger, at \$2,500 awarded contract by city council to construct 3,600-ft. extension to sewer system, involving 6-in. vit. pipe, 55½¢ ft.; 8-in., 70¢ ft.

SAN FRANCISCO — Until May 21, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to construct Section D of the Fillmore Street Main Sewer; estimated cost \$100,218. Project involves: 2698 lin. ft. 6 ft. 6 in. circular reinforced concrete sewer.

515 lin. ft. 6 ft. circular reinforced concrete sewer.

115 lin. ft. 3 ft. by 4 ft. 6 in. reinforced concrete sewer.

111 lin. ft. 2 ft. 6 in. by 3 ft. 9 in. reinforced concrete sewer.

10 lin. ft. 3 ft. by 5 ft. brick sewer.

25 lin. ft. 21 inch V.C.P. sewer.

35 lin. ft. 15 inch V.C.P. sewer.

90 lin. ft. 10 inch V.C.P. culvert connection.

15 manholes on reinforced concrete sewer.

2 manholes on existing V.C.P. sewers

3 manholes on existing brick sewers.

1 taper connection of reinforced concrete.

Alterations of auxiliary water supply pipe. (In lump sum bid); involving

235 lin. ft. 12-in. V.C.P. underdrain,

430 ft. 10-in. do, 850 ft. 8-in. do, and

1710 ft. 6-in. do, all covered with concrete or imbedded in broken rock.

Certified check 10% payable to Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd Floor, City Hall, on deposit of \$10, returnable.

OAKLAND, Cal. — City council has started proceedings to extend main sewer emptying near the General Engineering Company's plant at the foot of Fifth Ave.; estimated cost, \$30,000. Walter N. Frickstad, city engineer.

LOS ANGELES, Cal. — Herbert A. Baruch Corp., 1015 Lincoln Bldg., Los Angeles, at \$242,000 awarded contract by county supervisors to construct drainage system in Dringado District No. 23, involving approximately 1261 acres.

SANTA CRUZ, Santa Cruz Co., Cal. — City Engineer Roy Fowler in a report to the city council estimates the cost of repairing the outfall sewer at \$15,000. The line was recently broken in three places.

WATER WORKS

HILLSBOROUGH, San Mateo Co., Cal. — Town trustees appropriate \$2000 to finance a water survey to determine the feasibility of a tri-city water district with Burlingame and San Mateo. Tentative plans call for tapping the Spring Valley reservoir with a line charge sufficient to supply the three cities.

MARCH FIELD, Riverside Co., Cal. — Construction of a swimming pool for enlisted men is contemplated at March Field, according to Col. W. C. Gardener, hire, constructing quartermaster, who desires information from concerns that supply swimming pool equipment, particularly pumps and chlorinators.

OAKLAND, Cal. — Engineering Department, City Port Commission, 424 Oakland Bank Bldg., completes plans for water main to serve Ninth Ave. pier. Bids will be asked shortly.

KENT, Wash. — American Concrete Pipe Co., 459 E-14th St., Tacoma, at \$113,355.40 awarded contract by city council to construct 10 miles of concrete pipe line from springs in vicinity of Lake Sawyer to Kent municipal reservoir.

SACRAMENTO, Cal. — June 10 is the date set by the city commissioners for election to vote bonds of \$600,000 to finance improvements to municipal filtration plant. Fred J. Klaus is city engineer.

ARCADIA, Los Angeles Co., Cal. — Until 8 P. M., May 21, bids will be received by the city council for furnishing of approximately 2165 lin. ft. of 6-in. class No. 150 cast iron pipe or equal, to be delivered trenchside Sunset Blvd., between Huntington Drive and Duarte Rd. Contractor to furnish alternate bids stating price for immediate delivery, also for mill shipment and date of delivery. Certified check or bond, 10%. G. G. Meade, city clerk.

PORTERVILLE, Tulare Co., Cal. — Until May 31, 10:30 A. M., bids will be received by E. H. Robinson, Secretary, Terra Bella Irrigation District, for:

Section 1—Furnish, deliver and lay in trench the approximate amounts of rivets or welded steel soil proofed water pipe and necessary fittings:

5280 ft. 8-inch, 14 gauge;

2640 ft. 7-inch, 14 gauge;

2640 ft. 6-inch, 14 gauge.

Section 2—Dig trench and backfill same on above pipe.

Section 3—For complete work involving furnishing, install and trench as one combined bid.

Certified check 10% payable to district required with bid. Plans obtainable from secretary.

SAN FRANCISCO. — Constructing Quartermaster, Fort Mason, completing plans for water softener for Letterman General Hospital. Will have capacity of 180,000 gals. per day. Bids will be asked in about one week.

PLAYGROUNDS & PARKS

SANTA BARBARA, Calif. — Santa Barbara board of education will spend \$61,000 this year for playgrounds and recreational equipment as follows: Development and improvement of McKinley-La Mesa grounds to cost \$6,000, Riviera grounds to cost \$10,000, and east side junior high school grounds to cost \$15,000; drainage, grading and development of field below Peabody stadium at high school to cost \$15,000; tennis courts and ground improvements at La Cumbre junior high school to cost \$10,000; playground equipment to cost \$3,000; playground supplies to cost \$2,000.

BENICIA, Solano Co., Cal. — Until May 16, 2 P. M., bids will be received by H. B. Staley, clerk, Benicia School District, to construct concrete tennis court, and erect tennis court fencing at school grounds. Certified check 10% required with bid. Plans obtainable from clerk.

SAN FRANCISCO — Municipal Playground Commission will seek \$300,700 appropriation in 1930-31 budget to finance purchase of 50-acre site in the Lake Merced district on which would be established 25 baseball diamonds. These diamonds would be operated on the same basis as the Lincoln Park and Harding Golf links, a fee of 25¢ per man per game to be charged. With the collected funds, the commission would provide an additional 25-baseball diamonds, making 50 diamonds in all.

STREETS AND HIGHWAYS

NEVADA — PLACER COUNTIES, Cal. — As previously reported, bids will be received June 4 by State Highway Commission to improve 10.8 miles between South Fork of the Yuba River and Soda Springs, to be surfaced with crusher run base and untreated crushed gravel or stone surfacing. Project involves: 52,200 tons crusher run base; 29,020 tons untreated crush-

ad gravel or stone surfacing; 3416 M. gals. water applied to base and surfacing.

FRESNO AND KINGS COUNTIES. Cal.—Until May 26, 2 P. M., bids will be received by E. E. Wallace, district engineer, State Highway Commission, P. O. Box 1353, Fresno, to furnish and apply light fuel oil on 46 miles between Coalinga and Hanford. See call for bids under official proposal section in this issue.

ROSEVILLE. Placer Co., Cal.—City council will start proceedings at once to improve streets in Sierra Vista and Forest Oaks residential district, involving grading, curbs and gutters; asphaltic oil pavement.

BUTTE COUNTY, Cal.—As previously reported, bids will be received June 4 by State Highway Commission to grade 1.8 miles between Bardees Creek and Pulga. Project involves: 97 sta. clearing and grubbing right-of-way; 245,600 cu. yds. roadway excav., without class; 934,600 sq. yds. overhaul; 6200 cu. yds. structure excavation; 253 cu. yds. class A Portland cement concrete (structures); 31,000 lbs. bar reinf. steel (structures); 16 lin. ft. 12 in., 644 lin. ft. 18-in., 360 lin. ft. 24-in., and 720 lin. ft. 42-in. corr. metal pipe; 3210 cu. yds. rubble masonry retaining walls; 97 sta. finishing roadway; 92 each, monuments complete in place. State will furnish corrugated metal pipe.

MADERA, FRESNO, TULARE & KINGS COUNTIES, Cal.—Until May 26, 2 P. M., bids will be received by E. E. Wallace, district engineer, State Highway Commission, P. O. Box 1353, Fresno, to furnish and apply light fuel oil on shoulders of 102.6 miles of highway in various sections of Madera, Fresno, Tulare and Kings Counties.

See call for bids under official proposal section in this issue.

OAKLAND, Cal.—Until May 22, 12 noon, bids will be received by Frank C. Merritt, city clerk, to improve crossing of Central Pacific Railway right-of-way with 77th Ave. Bond of \$1250 required of successful bidder. Specifications on file in office of clerk. Walter N. Frickstad, city engineer

SHASTA-LASSEN COUNTIES, Cal.—As previously reported, bids will be received by State Highway Commission June 4, to grade and surface with untreated gravel or stone, 17.9 miles between Fall River Mills and Big Valley. Project involves: 450 sta. clearing and grubbing right-of-way; 211,800 cu. yds. roadway excavation without class (Location A); 12,500 cu. yds. roadway excavation without class (Location B); 649,200 sta. yds. overhaul; 13,250 mi. yds. overhaul (Location B); 2500 cu. yds. structure excavation; 50,400 cu. yds. untreated crushed gravel or stone surfacing; 1400 M. gals. water applied to surfacing; 375 cu. yds. class A Portland cement concrete (structures); 33,000 lbs. bar reinf. steel (structures) 44 lin. ft. 12-in., 3456 lin. ft. 18-in., 800 lin. ft. 24-in., 524 lin. ft. 30-in., 110 lin. ft. 36-in. and 92 lin. ft. 42-in. corr. metal pipe; 947 sta. finishing roadway; 188 each, monuments, complete, in place. State will furnish corrugated metal pipe.

SAN RAFAEL, Marin Co., Cal.—Until May 22, 8 P. M., bids will be

received by Eugene W. Smith, city clerk (496) to improve Sixth St., bet. Cottage Ave. and E St., etc., involving: 13,552 sq. ft. 4-in. stone sub-base; 13,552 sq. ft. 4-in. asph. conc. pave; 1,212 lin. ft. 3x6-in. redwood header board; 52 lin. ft. conc. curb and gutter; 2 catchbasins. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of Clerk. Herbert K. Brainerd, city manager.

REDWOOD CITY, San Mateo Co., Cal.—Irving L. Ryder, 205 Almaden Ave., San Jose., only bidder at \$151,625 awarded contract by county supervisors under Resolution of Intention No. 20 to improve O'Keefe, Donohoe, Park and Height Sts., bet. Menalto Ave. and Willow Road; portions of James, Garden, Cloud Sts., Carmel Ave., etc., involving grading; curb, hyl. cem. conc. curbs and gutters, walks; 3-in. asph. conc. surface on 4-in. waterbound macadam base; cem. conc. pipe storm water sewer; br. catchbasins; 4-in. vit. pipe lateral sewers in Menalto Park.

SAN BERNARDINO COUNTY, Cal.—Until May 21, 3 P. M., bids will be received by E. Q. Sullivan, district engineer, State Highway Commission, 247 Third St., San Bernardino, to furnish and apply as dust layer heavy fuel oil on 35.4 miles between Essex and Klinefeiter. Project involves 4420 bbls. oil.

SAN BERNARDINO COUNTY, Cal.—Until May 21, 3 P. M., bids will be received by E. Q. Sullivan, district engineer, State Highway Commission, 247 Third St., San Bernardino, to furnish and apply to shoulders, heavy fuel oil on 20.7 miles between west boundary and San Bernardino. Project involves 2320 bbls. oil.

TEHAMA, PLUMAS AND LASSEN COUNTIES, Cal.—Until May 26, 2 P. M., bids will be received by H. S. Comly, district engineer, State Highway Commission, Redding, to furnish and apply as dust layer, heavy fuel oil, on 51.1 miles of highway between Dales and Coppervale.

See call for bids under official proposal section in this issue.

SAN RAFAEL, Marin Co., Cal.—Until June 10, 11 A. M., bids will be received by Rob. E. Graham, county clerk, to improve two sections of Lower Novato-Black Point Road: Section 1, beginning 1/4 mile east of Railroad Ave and extending east 1.0 mile; Section 2, beginning at Black Point Cut-Off and extending north 1.4 miles, involving: 230,000 sq. ft. emulsified asphalt and screenings in place. Specifications obtainable from Rodney Messner, county surveyor, Courthouse, San Rafael.

WHITE PINE COUNTY, Nevada.—Until May 28, 2 P. M., bids will be received by S. C. Durkee, state highway engineer, to furnish asphaltic fuel oil, apply and mix with crushed rock or crushed gravel surface on 52.31 miles from McGill to North County line. Specifications on file in office of U. S. Bureau of Public Roads, 461 Market St., San Francisco, and obtainable from engineer. Certified check 5% required with bid.

RENO, Nevada.—I. Christensen, Reno, at \$15,413.50 awarded contract

by city council to improve streets, involving: 14,000 sq. ft. cem. conc. sidewalks; 1,000 lin. ft. 8-ft. 6-in. cem. concrete curb and gutter; 2,000 lin. ft. 2-ft. 6-in. do; 250 lin. ft. 6-ft. cem. conc. gutter (only); 35,900 sq. ft. 5-in. cem. concrete alley pavement;

23,000 sq. ft. 6-in. cem. conc. pave. Complete list of bids follows:

I. Christensen	\$15,413
A. Cerfoglia	15,748
J. S. Jensen	15,793
A. Bevilacqua	17,151

ELY, NEVADA.—City votes bonds of \$35,000 to finance paving of various streets; oil bound gravel type pavement will be specified.

NEVADA CITY, Nevada Co., Cal.—County Surveyor J. P. O'Connor instructed by supervisors to make survey for proposed Colfax road. Estimates of cost will be submitted at the June meeting of the supervisors.

BURLINGAME, San Mateo Co., Cal.—Until May 19, 8 P. M., bids will be received by F. A. Bloom, city purchasing agent, to resurface two separate sections of California Drive. Certified check 10% required with bid. Plans on file in office of city engineer.

MARIN COUNTY, Cal.—Until June 4, 2 P. M., bids will be received by State Highway Commission to surface with bituminous macadam 4.4 miles between San Rafael and Alto.

See call for bids under official proposal section in this issue.

BUTTE COUNTY, Cal.—Until June 4, 2 P. M., bids will be received by State Highway Commission to grade 1.8 miles between Bardees Creek and Pulga.

See call for bids under official proposal section in this issue.

LASSEN COUNTY, Cal.—Until June 4, 2 P. M., bids will be received by State Highway Commission to improve 22 miles of highway between Susanville and 2 miles west of Millford, involving seal coat and bituminous surface treatment to be applied. See call for bids under official proposal section in this issue.

SHASTA & LASSEN COUNTIES, Cal.—Until June 4, 2 P. M., bids will be received by State Highway Commission to grade and surface with untreated crushed gravel or stone, 17.9 miles between Fall River Mills and Big Valley.

See call for bids under official proposal section in this issue.

SAN ANDREAS, Calaveras Co., Cal.—Geo. French Jr., Stockton, at \$3,507.60 awarded contract by county supervisors for oiling Valley Springs-Bellota road. Basalt Rock Co., Napa, bid \$4509. Project involves 1350 barrels of oil.

REDDING, Shasta Co., Cal.—Jack Casson, Hayward, at \$2,399 per bbl. (approx. \$12,000) submitted low bid to district engineer, State Highway Commissioner, Redding, for oiling 50 miles of Susanville-Reno Highway. Involves 5000 bbls. oil. Basalt Rock Co., Napa, at \$2.41 per bbl. only other bidder.

HILLSBOROUGH, San Mateo Co., Cal.—Union Paving Co., Cal. Bldg., San Francisco, at \$7983 awarded contract by town trustees to repair pavement in Florinblada and Santa Inez Aves. and Hillsborough Blvd.

REDWOOD CITY, San Mateo Co., Cal.—Until May 19, 8 P. M., bids will be received by B. E. Myers, city clerk, (M-7) to improve Minnie St., bet. Broadway and James St. and George St., bet. Minnie and El Camino Real, involving:

403 lin. ft. 6-in. vit. clay sewer;
12 4x6-in. sewer wyres;
464 lin. ft. 4-in. vit. clay sewer;
3 brick manholes with cast iron frames and covers.
1911 sq. ft. pavement to be removed;
1668 lin. ft. integral curb;
43,358 sq. ft. cem. conc. pave.;
54,692 sq. ft. rock cushion with 1-in. sand cushion;
9980 sq. ft. sidewalk with rock cushion 3-in. thick and 1-in. sand cushion;

1109 cu. yds. cutting;
488 cu. yds. filling;
9254 lin. ft. 3x7-in. headerboards;
1 reinf. com. conc. culvert 5x4 ft. with two catchbasins with cast iron frame and gratings;
520 lin. ft. 12-in. storm water sewer with 3 catchbasins and c. i. frames
1 complete electroliner system, being 15 2-light electroliners and 18 single light electroliners, with conduit wiring transformer, etc.
1911 Act. Bond Act 1915.

Certified check 10% payable to city. Plans on file in office of city clerk. C. L. Dimmitt, city engineer.

SAN MATEO, San Mateo Co., Cal.—Until May 19, 8 P. M., bids will be received by E. W. Foster, city clerk, for grading and paving Bell street crossings of Southern Pacific Railroad. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

COLUSA COUNTY, Cal.—Frederickson & Waston and Frederickson Bros., 354 Hobart St., Oakland, at \$58,269 awarded contract by State Highway Commission to grade 3.3 miles between Williams and Maxwell, involving 120 cu. yds. rdwy. excav. without class.; 250,000 sta. yds. overhaul; 2000 cu. yds. struc. excav.; 570 cu. yds. class A Port. cem. conc. (struc.); 63,000 lbs. bar. reinf. steel (struc.); 108 lin. ft. 12-in., 180 lin. ft. 18-in., 229 lin. ft. 24-in., 256 lin. ft. 30-in., 28 lin. ft. 36-in. and 174 lin. ft. 42-in. corr. metal pipe; 92 lin. ft. 30-in. corr. metal pipe (jacking in place); 232 lin. ft. corr. metal pipe (clean and relay); 3.4 miles move and reset property fences; 3.65 miles new standard property fence; 62 mile new special ppty. fence; 439 sta. finish roadway; 58 monuments complete in place. State will furnish corr. metal pipe.

SANTA BARBARA, Cal.—Until June 2, 10 A. M., bids will be received by D.

F. Hunt, county clerk, for a Bitumuls Armorcoat surface over existing macadam pavement on the Guadalupe-Santa Maria road between the Upper Batteravia road and a point 5,280 ft. easterly in 5th Road Dist. Certified check 10% payable to Chairman of Board of Supervisors required with bid. Plans on file in office of clerk and obtainable from county surveyor on deposit of \$5, returnable.

NEVADA & PLACER COUNTIES, Cal.—Until June 4, 2 P. M., bids will be received by State Highway Commission to surface 10.8 miles between South Fork of Yuba River and Soda Springs with crusher run base and untreated crushed gravel or stone surfacing.

See call for bids under official proposal section in this issue.

ALAMEDA, Alameda Co., Cal.—Until May 20, 8 P. M. bids will be received by W. E. Varcoe, city clerk, to furnish and deliver:
1875 tons, more or less, crushed rock;
1250 tons, more or less, screenings;
810 tons, more or less, bird's eye screenings.

Certified check 10% payable to city required with bid. Further information obtainable from clerk.

CHURCHILL COUNTY, Nevada.—Until May 21, 2:30 P. M., bids will be received by State Highway Commission, S. C. Durkee, chief engineer, Carson City, to grade; construct structures and place surfacing material on 4.10 miles between 13.6 miles south of Fallon and 17.6 miles south of Fallon. Specifications obtainable from above on deposit of \$15, of which \$10 is returnable.

CHURCHILL COUNTY, Nevada.—Until May 21, 2:00 P. M., bids will be received by State Highway Commission, S. C. Durkee, chief engineer, Carson City, to furnish asphaltic fuel oil, apply and mix with crushed rock or gravel surface on 11.70 miles between Salt Wells and Sand Springs. Specifications obtainable from above on deposit of \$15, of which \$10 is returnable.

MARTINEZ, Contra Costa Co., Cal.—Until May 19, 10 A. M., bids will be received by J. H. Wells, county clerk, to improve portions of Valley Road, Ocean View Ave., Oak View Ave., etc. in Road Imp. Dist. No. 1 involving: grading; 4-in. waterbound macadam base course with 3-in. asphaltic concrete surface; conc. curbs and gutters; part circle corner. iron pipe culverts; 10-in. vit. pipe; catchbasins. Co. Imp. Act. 1911. Certified check 10% payable to County of Contra Costa required with bid. Plans on file in office of clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—Until May 20, 2:30 P. M., bids will be received by H. E. Miller, county clerk, for 2 miles of oil macadam paving on Coast Road in Supervisor Finckham's district, running from Santa Cruz city limits to Davenport Landing. Plans obtainable from County Surveyor Lloyd Bowman.

HOLLISTER, San Benito Co., Cal.—Until June 2, 2 P. M., bids will be received by Elmer Dowdy, county clerk, to improve portions of Palcines and New Idria Road in Supervisor District No. 4. Plans on file in office of clerk. A. M. McCray, county surveyor.

WOODLAND, Yolo Co., Cal.—Until May 19, 5 P. M., (to be opened 7 P. M.) bids will be received by J. H. Laugenour, city clerk, to construct hydraulic cement concrete sidewalks in portions of Walnut, Locust and Elm Sts. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

WILLOWS, Glenn Co., Cal.—Joint highway district between Glenn and Mendocino counties will be organized to construct an all-year road across the Low Gap or Mendocino Pass in the Coast Range into Round Valley and Covelo, Mendocino County. Conferences with regard to the formation of the district are now being held by the supervisors of both counties.

HAYWARD, Alameda Co., Cal.—Until May 21, 5 P. M., bids will be received by M. B. Templeton, city clerk, (789) to improve portions of Peralta, Grace, Soto and Simon Sts., involving:

- (a) 4,175 sq. ft. conc. sidewalks;
- (b) 520 lin. ft. vit. clay side sewer, 4-in.;
- (c) 100 lin. ft. redwood headerboard;
- (d) 78,000 sq. ft. 6-in. full penetration emulsified asphalt macadam paving;
- (e) 11,700 sq. ft. 5-inch full penetration emulsified asphalt macadam paving including grading;

1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans obtainable from Jesse B. Holly, city engineer.

MONO COUNTY, Cal.—L. C. Pulley, 1960 Alamitos St., Long Beach, submitted low bid to State Highway District Engineer F. G. Somner, Bishop, at Item (1) \$3.18, and item (2) \$3.88 per bbl., for improving state highway in Mono County bet. the Devil's Punch Bowl and Leevining, and at Bridgeport about 16.3 miles in length, heavy fuel oil to be furnished and applied as a dust layer. Other bids were:

- Basalt Rock Co. (1) \$3.78, and (2) \$4.20.
Gilmore Oil Co., (1) \$4.19, and (2) \$4.35.

MONO COUNTY, Cal.—Leonard Pulley, 1960 Alamitos St., Long Beach, submitted low bid to State Highway District Engineer F. G. Somner, Bishop, at \$2.89 per bbl. for improving state highway in Mono County, bet. the summit of Sherwin Hill and Devil's Punch Bowl, 24 miles heavy fuel oil to be applied as a dust layer. The other bids were: Basalt Rock Co., \$3.35; Gilmore Oil Co., \$3.67; G. M. Dunlevy, \$4.10; B. S. Dupuy, \$4.30; California Road Oil Service, \$4.323.

NAPA, Napa Co., Cal.—Until May 19, 7:30 P. M., bids will be received by H. H. Thompson, city clerk, (534) to construct cement concrete sidewalks in portions of Georgia street. 1911 Act. Certified check 10% pay-

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able to city required with bid. Plans obtainable from H. A. Harrold, city engineer.

VALLEJO, Solano Co., Cal.—M. B. Lee, San Leandro, at \$6826.50 awarded contract by directors of Joint Highway District No. 5 to improve approach highway to Carquinez Bridge. Complete list of bids follows:

M. B. Lee, San Leandro.....	\$ 6,826
Lee J. Immel, Berkeley.....	7,492
L. Tagnon, Vallejo.....	7,668
J. E. Johnston, Stockton.....	8,073
L. C. Seidel, Oakland.....	8,808
Peres & Gatto, Richmond.....	11,278

AUBURN, Placer Co., Cal.—No bids received by city trustees to pave Georgetown road within the city limits and the work has been ordered done by day labor, under the supervision of Chester Gwynn, city street superintendent.

SAN ANDREAS, Calaveras Co., Cal.—Until June 2, 3 P. M. bids will be received by John Squellati, county clerk, to construct road from Murphys Sheep Ranch road north of Osselin House to top of Pescia Hill. Certified check 10% required with bid. Plans on file in office of clerk.

SAN ANDREAS, Calaveras Co., Cal.—Until June 2, 3 P. M. bids will be received by John Squellati, county clerk, to construct road from Murphys Sheep Ranch road east of Mercer's Cave over Cave Hill. Certified check 10% required with bid. Plans on file in office of clerk.

SAN RAFAEL, Marin Co., Calif.—Until May 22, 8 P. M., bids will be received by Eugene W. Smith, city clerk, (493) to improve G and Ida Sts., and one unnamed street, involving:

- 1,812 cu. yds. excavation;
- 31,774 sq. ft. 5-in. asph. conc. pave.;
- 6,034 sq. ft. 4-in. do.;
- 22,080 sq. ft. 3-in. do.;
- 40 tons 2-in. do.;
- 17 tons conform do.;
- 69,888 cu. ft. 4-in. stone sub-base;
- 3,222 lin. ft. conc. gutter;
- 451 lin. ft. 24-in. r.w. header;
- 96 lin. ft. 4-in. I. S. P. sewers;
- 4 catchbasins;
- 48 lin. ft. 10-in. corr. iron pipe;
- 30 cu. yds. concrete (shallow sewer protection);
- 4330-in. corr. arch and conc. culvert (98 lin. feet complete;
- 50 lin. ft. using existing metal)

1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. H. K. Brainerd, city manager.

MARIN COUNTY, Cal.—As previously reported, bids will be received June 4, by State Highway Commission to surface with bituminous macadam 4.4 miles between San Rafael and Alto. Project involves: 4000 cu. yds. roadway excav. without class; 100,000 sta. yds. overhaul; 28,900 tons crusher run base; 9450 tons broken stone (bitum. macadam surface); 650 tons emulsified asphalt; 5985 lin. ft. laminated timber guard rail; 800 timber guide posts; 235 sta. finishing roadway.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street, Phone Garfield 8744.

20097—Representation. New York N. Y. Party who is in New York for the purpose of securing agencies of American companies for France is in-

terested in contacting local manufacturers or exporters of hardware, office equipment, and all articles selling to garages and the automobile industry.

20098—Scrap Iron and Steel. Dusseldorf, Germany. Company is in the market for large quantities of iron and steel scrap.

20099—Agent for Ceramics. Lisbon, Portugal. Concern which manufactures and exports ceramics, including ordinary decorative tiles, and panels of all dimensions made to order, is seeking an agent acquainted with the market.

20101—Timber. Bombay, India. Large well-established concern wishes to contact importers of timber who would be interested in Burmah teak, rosewood, Malayangwood, Indian mahogany, engwood, pynamwood, and other indigenous timbers. Bank references.

20108—Glass Showcases. Honolulu. T. H. Company in the photo supply business is in the market for some glass showcases about eight feet long. Catalog and prices are to be forward. ed.

20110—Representation in the Orient. San Francisco, Calif. University graduate with three years' recent experience in the government service in Japan and an excellent background is available for manufacturers' representation in the Orient.

20111—Exhibition Facilities. San Francisco. Firms interested in arranging for exhibition quarters for their products with American Chamber of Commerce of Manila please communicate with the Foreign Trade Department of the San Francisco Chamber of Commerce.

Mr. B. U. Teeter, Sales Manager, Clear-O-Scope Co., Box 223, Racine, Wis., manufacturing projecting machine, wishes to contact reliable artist's supply concerns to handle their commodity.

Mr. Edward Beens, Sales Department, Rotary Engine & Pump Mfg. Co., Inc., Los Angeles, Calif., is anxious to establish agency here for the distribution of rotary engines and pumps. Jobbers of pumping machinery preferred.

Mr. W. D. Cooper, 233 Dayton Ave., St. Paul, Minnesota, is anxious to contact well established concern for the manufacture and sale of a new patented device.

Mr. Sidney Lott, 372 Arguello Blvd., San Francisco, would like to represent any concern who wishes to develop sales on the Coast, and to whom a thorough knowledge of business and physical conditions would be of value along the line of merchandise and product.

Mr. G. Nettle, 5 E 53rd St., New York City, N. Y., manufacturers' agent is desirous of making connections with concerns interested in representation both in this country and South America.

Mr. Howard A. Ballard, P. O. Box 672, Sacramento, Calif., is anxious to secure a manufacturer to purchase the exclusive sales and manufacturing rights on a new surface irrigation device. Full details on file.

Mr. E. E. Shelton, 1105½ 30th St., No. 1, Indianapolis, Indiana, is in the market for timber tract. Shipping facilities must be first class and timber on land must be of high quality. Strictly cash transaction.

SCOTCH SHIPBUILDERS DRAW ON U. S. FOR TIMBER SUPPLIES

Clear decks of Douglas fir lumber are in demand by Scotch Shipbuilding Industries, according to a report by G. E. Chamberlain, Consul General in charge, Glasgow, to the Lumber Division of the Department of Commerce.

Despite the fact that fair stocks of this wood are reported, decking stock is difficult to obtain. White Pine, pitch pine, teak and Scandinavian spruce are also in steady demand for shipbuilding, according to reports.

During the first three months of 1930 the Clyde shipbuilders launched 43 vessels of 115,571 tons. This is less by \$2,040 tons than the first quarter of 1929. While fewer new contracts were received in March than during the months of January and February, there is still a substantial amount of work on hand, chiefly cargo boats and tankers. It is reported that not many passenger liners are under construction at the present time.

There is considerable inquiry for pitch pine in the Glasgow district especially for the larger sizes, which appear to be scarce. With the exception of plain oak, other American woods have moved slowly. A slightly better demand for oak and pitch pine from railway car builders is reported.

The tendency in Scotland at present is to contract ahead for Douglas fir, California white pine and Sitka spruce.

The strike among the joiners in Glasgow and vicinity restricted the movement of lumber into the market, as well as the placing of contracts for future delivery. Following the strike, the trade revived and there is a fairly good demand for Scandinavian woods and Douglas fir, and also for the cheaper Russian stock, for construction purposes.

It is believed that the chief demand for American lumber during the next three months will be for Douglas fir, pitch pine, plain and quartered oak, California white pine, Sitka spruce, and poplar.

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SAN FRANCISCO

Contracts Awarded Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

571	Becker	Hamill	2000
572	De Martini	Ferroni	12000
573	Hurley	Hamill	1000
574	Kellers	American	3000
575	Lambros	Amatore	3250
576	Marriscalia	Galoway	4000
577	Nelson	Owner	4000
578	Prentice	Owner	4000
579	Pratt	Cook	3500
580	Standard	Owner	2000
581	Standard	Owner	2000
582	Arnott	Owner	4000
583	Heyman	Owner	7600
584	Steinman	Owner	2400
585	Van Ness	Owner	6000
586	Malesles	Douglas	—
587	Heyman	Owner	—
588	Allen	Castle	6000
589	Bianchini	Exposition	1000
593	Standard	Owner	1500
598	Cuneo	Owner	1000
590	Hale	Phoenix	2000
591	Gordon	Duerner	3300
592	Keeley	Plov	6000
593	Longinotti	Delucchi	1400
594	S F News	Hjul	25000
595	Silver	De Velbiss	1000
596	Welch	Owner	2000
597	Anderson	Owner	4000
598	Flood	Finegan	4500
599	Franklin	Owner	3000
600	Meyer	Owner	16000
601	Meyer	Owner	4000
602	Smith	Owner	3000
603	Bacchi	Flagg	18000
604	Doelger	Owner	24000
605	Elkington	Owner	5000
606	Ferry	Lang	2000
607	Hastings	Owner	16000
608	Licata	De Martini	1000
609	Mansfield	Huenergardt	4000
610	Sharmar	Owner	4000
611	Tichenor	Owner	3000
612	Zietich	Flagg	16000

ALTERATIONS

(571) 1435 45th AVE.; alterations to repair fire damage.
Owner—F. Becker, 1435 45th Ave.
Architect—None.
Contractor—T. Hamill Inc., 6140 Geary Street. \$2000

FLATS

(572) E TAYLOR ST. 40 N Green; two-story and basement frame (2) flats.
Owner—R. De Martini, 859 Union St.
Architect—J. A. Porporato, 619 Washington St.
Contractor—F. Ferroni & Sons, 1966 Filbert St. \$12,000

ALTERATIONS

(573) S WILDER 275 E Diamond St.; alterations to dwelling.
Owner—J. J. Hurley, 239 Cotter St.
Architect—None.
Contractor—T. Hamill Inc., 6140 Geary Street. \$1000

ALTERATIONS

(574) 809 MARKET ST.; alterations to store front.
Owner—Keller's, 809 Market St.
Plans by Contractor.
Contractor—American Woodworking Corp., 2800 20th St. \$3000

DWELLING

(575) N 26th ST. 75 E York; one-story and basement frame dwelling.
Owner—J. Lambros, 1694 Alabama St.
Architect—None.

Contractor—F. Amatore, 1392A Hampshire St. \$3250

ALTERATIONS

(576) 1330 FRANCISCO ST.; alterations and additions to dwelling.
Owner—L. Marriscalia.
Architect—A. Fracchina, 1656 Lombard St.
Contractor—Mr. Galoway, 2068 Sutter Street. \$4000

DWELLING

(577) W WESTGATE 70 N Ocean; 1-story and basement frame dwelling.
Owner—F. Nelson & Sons, Inc., 2198 Ocean Ave.
Architect—None. \$4000

DWELLING

(578) ULLOA ST. 85 W 24th Ave.; 1-story and basement frame dwelling.
Owner—R. E. Prentice, 2301 Ulloa St.
Architect—D. S. Adams, care Lang Realty Co. \$4000

DWELLING

(579) W 45th AVE. 100 S Vicente; one-story and basement frame dwelling.
Owner—C. Pratt, 5550 Geary St.
Architect—None.
Contractor—O. M. Cook, 1031 Fillmore Street. \$3500

SERVICE STATION

(580) NW COR. GEARY ST. and 24th Ave.; one-story steel frame service station.
Owner—Standard Oil Co. of California, 225 Bush St.
Architect—None. \$3000

SERVICE STATION

(581) NE FELL & GOUGH STS.; 1-story steel service station.
Owner—Standard Oil Co. of California, 225 Bush St.
Architect—None. \$2000

DWELLING

(582) E CECILIA 124 N Santiago; 1-story and basement frame dwelling.
Owner—J. A. Arnott, 633 Taraval.
Architect—None. \$4000

DWELLINGS

(583) W DARTMOUTH 252 N Silver; two 1-story and basement frame dwellings.
Owner—Heyman Bros., 742 Market St.
Architect—None. each \$3800

DWELLING

(584) SW POPE 143 SE Mission; 1-story and basement frame dwelling.

Owner—F. A. Steinman, 262 London Street.
Architect—None. \$2400

ALTERATIONS

(585) SW POST ST. and Van Ness Ave.; alterations to store and additions to building.
Owner—Van Ness Realty Co., 40 Montgomery St.
Architect—W. L. Schmolle, Clunie Bldg. \$6,000

DWELLING

(586) W 30th AVE. 150 N Fulton St.; one-story and basement frame dwelling.
Owners—Moses and Dora Maisles, 2910 Fulton St.
Architect—None.
Contractor—S. Douglas, 2491 29th Ave.

DWELLINGS

(587) E DARTMOUTH 258 N Silver; two one-story and basement frame dwellings.
Owner and Builder—Heyman Bros., 742 Market St.
Architect—None.

APARTMENTS

(588) N MACONDRAY 91 E Jones. Two-story and basement frame (3) apartments.
Owner—Mrs. G. Allen, 72 Macondray St., San Francisco.
Architect—None.
Contractor—Castle Bldg., Co., 830 Market St., S. F. \$6000

ALTERATIONS

(587) NO. 524 SACRAMENTO ST. Alter restaurant.
Owner—J. Bianchini, Premises.
Architect—None.
Contractor—Exposition Woodworking Co., 861 Golden Gate Ave., San Francisco. \$1000

SERVICE BLDG.

(588) SE ELEVENTH AVE AND Geary St. One-story steel frame service building.
Owner—Standard Oil of California, 225 Bush St., San Francisco.
Architect—None. \$1500

REPAIRS

(589) 1626 POWELL ST.; repair fire damage.
Owner—A. Cuneo, 523 Green St.
Architect—J. A. Proparato, 619 Washington St. \$1000

ALTERATIONS

(590) 2430 VALLEJO ST.; alterations for reinforced concrete wall.
Owner—Hale Bros., 5th and Market.
Architect—None.
Contractor—Phoenix-Simpton Co., 520 6th St. \$2000

DWELLING

(591) N LAKEVIEW 125 W San Jose Ave.; 1-story and basement frame dwelling.
Owner—J. O. Gordon.
Architect—None.
Contractor—W. Duerner, Jr., 166 Miramar. \$3300

DWELLINGS

(592) E DANDON 150 N Couga; two 1-story and basement frame dwellings.
Owner—J. Keeley, 4668 18th St.
Architect—None.
Contractor—G. L. Plov, 35 Palm Ave. each \$3000

Capital City Title Company

J. C. PALEN

Manager

914 Seventh Street

Sacramento - California

ALTERATIONS

(693) 1348 KANSAS ST.; alterations to dwelling.
Owner—J. Longinotti, 1348 Kansas St. Architect—None.
Contractor—D. Delucchi & Son, 3007 San Bruno Ave. \$1400

ALTERATIONS

(594) 312 MISSION ST.; alterations for new press foundations, alterations to offices.
Owner—San Francisco News, 340 9th Street.
Engineer and Contractor—J. H. Hjul, 128 Russ St. \$25,000

REPAIRS

(595) 2581 22nd ST. repair fire damage.
Owner—G. H. Silvey, 2581 22nd Ave. Architect—None.
Contractor—C. Dudley De Velbiss, 333 Kearny St. \$1000

ALTERATIONS

(596) 1257 20th AVE.; alterations to store for flat.
Owner—J. Welch, 1257 20th Ave. Architect—None. \$2000

DWELLING

(597) NW PRAGUE 250 NE Persia; one-story and basement frame dwelling.
Owner—G. R. Anderson, 4607 Mission Street. Architect—None. \$4000

DWELLING

(598) S 30th ST. 50 E Harper; one-story and basement frame dwelling.
Owner—T. Flood. Architect—None.
Contractor—J. Finegan, 3344 Army St. \$4500

PLANT

(599) 2001 THIRD ST.; 1-story steel and concrete gasoline distributing plant.
Owner—T. L. Franklin, 2001 3rd St. Architect—None. \$3000

DWELLINGS

(600) S ROCKDALE 375 E La Bica; four 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr. Architect—None. each \$4000

DWELLING

(601) NE 21st AVE & Wawona; one-story and basement frame dwelling.
Owner—Meyer Bros., 727 Portola Dr. Architect—None. \$4000

DWELLINGS

(602) E MARGARET 125 S Lakeview; two 1-story and basement frame dwellings.
Owner—D. B. Smith, 640 Randolph. Plans by Owner. each \$3000

RESIDENCE

(603) S MARINA 112 E Broderick; two-story and basement frame residence.
Owner—E. Bacchi, 2198 Filbert St. Architect—Fabre and Hildebrand, 110 Sutter St. \$18,000

DWELLINGS

(604) W 38th AVE. 25 N Kirkham; six 1-story and basement frame dwellings.
Owner and Builder—H. Doelger, 1391 8th Ave. Architect—None. each \$4000

DWELLING

(605) S VICENTE 27 W 14th Ave.; one-story and basement frame dwelling.
Owner—G. J. Elkington & Sons, 330 Vicente. Architect—C. F. Strothoff, 2274 15th Street. \$5000

REPAIRS

(606) 795 DARIEN; repair fire damage.
Owner—V. Ferry, 810 Ulloa St. Architect—None.
Contractor—Lang Realty Co., 39 Sutter St. \$3000

STORE & APTS.

(607) NE BAY SHORE and Visitation; 2-story and basement frame store and (4) apts.
Owner—Hasting's Trust Estate, 369 Pine St. Architect—None. \$16,000

ALTERATIONS

(608) 551 CHESTNUT ST.; alterations to flat.
Owner—L. Licata, 551 Chestnut St. Architect—None.
Contractor—Mr. DeMartini. \$1000

DWELLING

(609) MARKET ST. 90 S Romain; 1-story and basement frame dwelling.
Owner—H. Mansfield, Chronicle Bldg. Plans by Builder.
Contractor—D. G. Huenergardt, 120 Montana. \$4000

DWELLING

(610) N PALOU 200 W 3rd St.; one-story and basement frame dwelling.
Owner—T. R. Sharman, 1514 Irving St. Architect—None. \$4000

ALTERATIONS

(611) SE HAIGHT and Fillmore Sts.; alterations to store.
Owner—J. Tichenor, Haight and Fillmore Sts. Architect—None. \$3000

DWELLING

(612) S MARINA 72 E Broderick; 2-story and basement frame dwelling.
Owner—A. Zietich, 2190 Henion St. Architect—Fabre and Hildebrand, 110 Sutter St. \$16,000

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
89	Schloss	Moller	3000
90	O'Brien	Horstmeyer	3474
91	Maier	Douglas	5615
92	Gordon	Duerner	3875
93	Monzani	Miller	6125
94	Glide	Monson	304860

ALTERATIONS

(89) 570 BRYANT ST.; alterations to 1-story class C building.
Owner—W. J. Schloss, premises.
Architect—Chas. E. J. Rogers, Phelan Building.
Contractor—Fred Moller, 185 Stevenson Street.
Filed May 8, '30. Dated April 25, '30. Completed and accepted \$2250
Usual 35 days. 750
TOTAL COST, \$3,000
Limit, 20 days. Plans and Spec. filed.

ADDITIONS, ETC.

(90) F HOWARD 50 N 24th St., No. 2781 Howard St. All work except plumbing for additions and completion of two-story and basement frame building damaged by fire.
Owner—N. A. O'Brien, 2781 Howard St., San Francisco. Architect—None.
Contractor—Wm. Horstmeyer, 31 Ord St., San Francisco.
Filed May 9, '30. Dated May 9, '30.
Building in position and frame up \$368.20
Brown coat plaster on \$68.20
Completed \$68.20
Usual 35 days. \$70.00
TOTAL COST, \$374.60

Bond, none. Limit, 80 days. Forfeit, \$5. Plans and specifications filed.

RESIDENCE

(91) W 30th AVE. 150 N Fulton St.; general construction on one-story and basement residence.
Owners—Moses and Dora Maisler, 3910 Fulton St. Architect—None.
Contractor—Samuel Douglas, 2491 29th Avenue.
Filed May 10, '30. Dated May 8, '30.
Roof boards on \$1403.75
White coated 1403.75
Completed and accepted 1403.75
Usual 35 days 1403.75
TOTAL COST, \$5615
Limit, 90 days. Plans and Spec. filed.

DWELLING

(92) LOCATION NOT GIVEN; general construction on one-story and basement frame dwelling.
Owner—J. O. Gordon. Architect—None.
Contractor—Wm. Duerner, Jr., 166 Miramar Ave.
Filed May 12, '30. Dated May 8, '30.
Roof on 25%
1st coat plaster on 25%
Completion 25%
Usual 35 days 25%
TOTAL COST, \$3875
Limit, 90 days.

BUILDING & ALTERATIONS

(93) E SCOTT ST. 75 S Chestnut St. S 25 x E 110; general construction on building and alterations.
Owner—Simone also known as Samuel Monzani and L. Monzani. Architect—None.
Contractor—Philip Miller as Phillip Miller & Sons, 384 San Miguel.
Filed May 13, '30. Dated May 9, '30.
Roof on \$1525
Brown coated 1525
Completed 1525
Usual 35 days 1550
TOTAL COST, \$6125
Limit, 90 days. Plans and Spec. filed.

CHURCH, ETC.

(94) NW COR. ELLIS & TAYLOR Sts.; all work on church, store, hotel and apartment building.
Owner—The Glide Foundation. Architect—J. W. Placheke, Mercantile Bank Bldg., Berkeley.
Contractor—Monson Bros., 475 Sixth St., San Francisco.
Filed May 14, '30. Dated April 29, '30.
1st of each month 75%
Usual 35 days 25%
TOTAL COST, \$304,860
Bond, \$152,430. Sureties, N. Y. Indemnity Co. Forfeit, \$25. Limit, 160 days. Plans and Spec. filed. Second Bond \$152,430. Same sureties.

COMPLETION NOTICES

San Francisco County

Recorded Accepted
May 8, 1930—W 27th AVE 225 S Riviera known as 2237 27th. A. C. M O'Connor to Herman Christensen—May 7, 1930
May 8, 1930—E 23rd AVE 200 S Moraga 25x100. J. H. Verner to whom it may concern—May 8, 1930
May 8, 1930—E MISSION bet. 17th and 18th, 2183 Mission St. Max Fraden to whom it may concern—April 30, 1930
May 8, 1930—NE RUSSIA AVE 50 NW MUNICH 50x75. G. M. Battersby to whom it may concern—May 7, 1930
Correction in Contractor's Name.
May 7, 1930—N PINE ST 73 W Baker St W 33-3 N 50 E 36 S 25 W 2-9 S 25. A C McDonald to F Neel—May 2, 1930
May 7, 1930—W 27th AVE 100 W Ulloa known as 2479 27th Ave. R Todd to Chris Andersen—May 7, 1930

May 7, 1930—E 22nd AVE 275 N Rivera N 50 x E 120. Lawrence and Anna Costello..... May 7, 1930

May 7, 1930—NW CORA 241-6 SW Visitation Ave, 34-6x105. Harry Apte to whom it may concern..... May 8, 1930

May 7, 1930—S MARINA BLVD 190 E Baker, John D and Anna C Coo to whom it may concern..... May 7, 1930

May 6, 1930—NO. 755 GIRARD ST. D Gianola to Philipp Petz..... May 6, 1930

May 6, 1930—ON FIFTH ST, bet. Berry and King (paving). Southern Pacific Co to Pacific States Construction Co..... May 3, 1930

May 6, 1930—SECOND AND KING STs. (grading for construction of yard tracks). Southern Pacific Co to Granfield, Farrar & Carlin..... May 3, 1930

May 6, 1930—N FLOOD AVE 275 W Detroit Lot 26 Blk 23, Sunnyside. Victor Bjorkman to whom it may concern..... May 6, 1930

May 5, 1930—W 30th AVE 300 N Santiago N 25 x W 120. The Salvation Army to H P Cooper..... April 28, 1930

May 10, 1930—E 27th AVE 150 N Fulton ST 25x140. Chas A Stevens to whom it may concern..... May 8, 1930

May 10, 1930—E 21st AVE 125 N Lawton ST 25x120. August Hallgren to whom it may concern..... May 10, 1930

May 10, 1930—NW FOOTE AVE 30 NE Ellington 25x80. A Chiappari to whom it may concern..... May 7, 1930

May 10, 1930—E PIERCE ST. 77-6 S Beach St. W R Reimann to whom it may concern..... April 27, 1930

May 10, 1930—E MALLORCA WAY 86-23 S Beach St 31-6x85 E 48 N 25 deg 31 min 05 sec W 8-46 N 7-372 N 32 deg 35 min 14 sec W 6-142 W 40-052. Lelio N Bianchini to L Franchesci..... May 7, 1930

May 10, 1930—E VERMONT ST 85-4 N 20th St N 26 x E 100. M Arnold to whom it may concern..... May 10, 1930

May 9, 1930—NW BUSH and Battery N 137-6 W 137-6 S 57-6 E 20 S 80 E 117-6. Shell Oil Co to G S Hudson at National Lathing Co, California Artistic Metal & Wire Co, United States Metal Products Co, Federal Ornamental Iron and Bronze Company..... April 30, 1930

May 9, 1930—W MERRILL 37-6 S Sweeney S 37-6 x W 50. Thomas Johnsep to whom it may concern..... May 9, 1930

May 9, 1930—E BAYWOOD COURT 16 N Geneva Ave N 53-4 x E 50. M Tosch to F Smith..... May 8, 1930

May 9, 1930—W SAN BRUNO AVE 300 N Costa St, 30x90. E Castleman to Lindgren Bros..... May 1, 1930

May 9, 1930—N DUNCAN approx 75 m or l W Guerrero W 25 x N 30 HA 35. Frank Regimato to W Byrne..... May 1, 1930

May 9, 1930—330 SEA CLIFF AVE. May E Bridge to A F Mattock and A H Peasey..... May 5, 1930

May 13, 1930—W 25th AVE. 375 S "R" 25x120. N W Anderson to whom it may concern..... May 12, 1930

May 13, 1930—SE 9th BLK 3260 Map Elks 3260 to 3269 Balboa Terrace Addn. A J and M A Herzig to whom it may concern..... May 13, 1930

May 12, 1930—COMG 590 N 85 deg 41 min E from inter NE Humboldt and Georgia N 85 x E 175. Pacific

Gas & Elec Co to Grant Sheet Metal Works..... May 6, 1930

May 12, 1930—NW SANSOME and Halleck N 61-6 W 75 S 17-6 W 50 S 44 E 125 to beg. American Investment & Realty Co to Henry Jacks and W K Irvine as Jacks & Irvine..... May 8, 1930

May 12, 1930—SE FELTON 81 NE Hamilton NE 26 x SE 100 Blk 35 Map University Md. Wm F Bernell to whom it may concern..... May 9, 1930

LIENS FILED

San Francisco County

Recorded Amount

May 7, 1930—W 17th AVE 275 N Geary N 25 x W 120 OL 193 shown as 351 17th Ave. Peter Pencovic vs Jacob and Edith Caro and J Barnum..... \$63.50

May 8, 1930—NE PT LOBOS and 45th Ave Lots 2 and 1 Blk 225. P Vannelli vs M B and I M Clipper..... \$5285

May 8, 1930—LOTS 1 and 2 BLK 225 map ptn Blks 224 and 225 Richmond District. Incandescent Supply Co vs M B and Inez M Clipper..... \$62.20

May 8, 1930—LOTS 1 and 2 BLK 225 map ptn blks 224 and 225, Richmond District. Soule Steel Co vs M B and Inez M Clipper..... \$748

May 8, 1930—LOTS 1 and 2 BLK 225 map ptn blks 224 and 225, Richmond District. Holmes Lime and Cement Co vs F and P Vannelli as Peter Vannelli & Son, M B and I M Clipper..... \$1211

May 8, 1930—W 19th AVE 171-8 N Santiago 25x120. Arvid Halsen vs F M Walker..... \$46

May 7, 1930—LOTS 1 and 2 BLK 225 map ptn Blks 224 and 225 Richmond District being NE corner 45th and Pt Lobos Aves. Judson-Pacific Co vs M B and Inez M Clipper..... \$709

May 8, 1930—NE PT LOBOS AVE and 45th Ave Lots 1 and 2 Blk 225. P Vannelli vs M B and Inez Clipper..... \$5825

May 9, 1930—N VASQUEZ AVE 80 W Laguna Honda Blvd E 26 22 Forest Hill Milton E Jackson as G B Jackson & Son vs Harvey W Armbrust, Antonio and Matilde Dutriz..... \$184.82

May 9, 1930—S ELIZABETH ST 155 E Hoffman Ave E 25 x S 114. C A Anderson vs A and Chas C Wunder, Title Ins & Guaranty Co and J McSweeney (decd), D and May 10, 1930—NE PT LOBOS and 45th Aves Lots 1 and 2 Blk 225 and ptn Blk 224, Richmond District. E W Wright & Co, \$130; Sterling Concrete Co, \$1660; Geo Frankel, \$3700; Vanitine Co, \$114; F D Wilson Co, \$570; M Hedman, \$2340; Chris Nelson Co, Ltd, \$292.32, vs M B and I M Clipper.....

May 9, 1930—LOTS 1 and 2 BLK 225 map ptn Blks 225 and 224, Richmond Dist. NE 45th Ave and Pt Lobos Ave. Michel & Pfeffer Iron Works, \$1463; Central Hardware & Glass Co, Inc, \$1499.10; Pacific Hardwood Flooring Co, \$3499.70; J H McCallum, \$4788.58; Superior Tile & Products Co, \$1930; Kerner Incinerator Co, \$275, vs B M and Inez M Clipper..... \$435.10

May 9, 1930—NE 45th and POINT Lobos Aves Blk 225, Richmond District. Milton E Jackson as G B Jackson & Son, \$565.69; Truscon Steel Co, \$200, vs Inez M and M B Clipper.....

RELEASE OF LIENS

San Francisco County

Recorded Amount

May 9, 1930—W DIVISADERO ST 50 S Washington St S 50 x W 120. M S and S N Greenberg as M Greenberg's Sons to J Buchanan, P A Vukicevic and Wm McIntosh.....

May 8, 1930—LOTS 1 and 2 BLK 2988A map Portal Park. Albert Cook to Dependable Mfg Co and T E Foster.....

May 6, 1930—W BAKER 52-8 S Clay S 25xW 102-6 Henry Ernst & Sons Ltd to Joseph C and Florence De Martini Linalo..... \$1059.05

May 10, 1930—S FULTON ST 106-3 W Masonic Ave W 50 x S 100. J Bacigalupi and H Dagneau as Bacigalupi & Dagneau; California Steel Products Co; Standard Asbestos Co by J Anderson; U S Radiator Corp to Geo Y Morton, A H Kinsey and N H Johnston.....

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
593	Holmes	Appelbe	1000
600	Arata	Warn	4500
601	Bowen	Shwind	10000
602	Jones	Owner	4250
603	Lincoln	Owner	2000
604	Ewing	Monroe	1200
605	Wootten	Owner	5000
606	Arthur	Owner	4800
607	Bailey	Owner	3500
608	Chapman	Owner	2250
609	Mansfield	Rose	2000
610	Sater	Owner	3800
611	Winkleman	Owner	15000
612	Bigelow	Peterson	1350
613	Elkington	Pattison	1350
614	Hughes	Hughes	5000
615	Jones	Haskell	32500
616	Nebber	Johnson	1000
617	Dargold	Wendt	25000
618	Alaska	Littlefield	3000
619	Hamblin	Owner	1500
620	Justice	Owner	2500
621	Proll	Owner	1200
622	Pendleton	Owner	6500
623	Richfield	Dyer	3000
624	Union	Keating	6000
625	Haws	Lassen	3350
626	Cornelius	Owner	1000
627	Mills	Owner	11000
628	Sampson	Sampson	5000
629	Ambrasier	Bilrtite	5000
630	Galvin	Owner	6200
631	Humpert	Nylander	5500
632	Sherman	Leard	4000
633	Booth	Owner	14000
634	Brown	Swanstrom	2000
635	Caldow	Villadsen	2000
636	Schroeder	Wright	1400
637	Terminal	Walsh	33000
638	Watkins	Owner	4000
639	Bonds	Owner	8000
640	Donald	Sorenson	22000

ALTERATIONS
(599) 2829 FOREST AVE., Berkeley; alterations.
Owner—C E Holmes.
Architect—None.
Contractor—F G Appelbe, 2405 Accon St., Berkeley. \$1900

DWELLING
(600) 699 LEE AVE., San Leandro; 1½-story frame and stucco dwelling (6 rooms).
Owner—Mrs. Arata, Arbor Drive, San Leandro.
Architect—None.
Contractor—Warn Bros., 419 E Merle Court, San Leandro. \$4500

DWELLING
(601) N ARIMO 200 W Wala Vista Ave., Oakland; two-story 8-room dwelling.

Owner—Jack L. Bowen.
Architect—None.
Contractor—M. Shwind, 6459 Estates Drive, Oakland. \$10,000

DWELLING
(602) W WILSON 90 S Montana St., Oakland; one-story 6-room dwelling and 1-story garage.
Owner and Builder—J. I. Jones, 3404 Suter St., Oakland. \$4250
Architect—None.

DWELLING
(603) W WALLACE ST. 200 NE 24th St., Oakland; one-story four-room dwelling.
Owner and Builder—A. G. Lincoln, 514 Estudillo Ave., San Leandro.
Architect—None. \$2000

ALTERATIONS
(604) 463 ARLINGTON AVE., Berkeley; alterations.
Owner—Mrs. Ewing.
Architect—None.
Contractor—J. W. Monroe, 5538 Claremont Ave., Oakland. \$1200

RESIDENCE
(605) 1451 SCENIC AVE., Berkeley; two-story 5-room 1-family frame residence.
Owner—Etta W. Wootten, 2208 Grove St., Berkeley.
Plans by Builder.
Contractor—Wilson D. Ellis. \$5000

DWELLING
(606) N ALCALA 130 E Oak Knoll Blvd., Oakland; two-story 7-room dwelling.
Owner and Builder—Wm. Arthur, Tully Place, Oakland.
Architect—None. \$4800

DWELLING
(607) NE COR. STORER and Redding, Oakland; one-story 5-room dwelling.
Owner and Builder—A. L. Bailey, 4232 Hopkins St., Oakland.
Architect—None. \$3500

DWELLING
(608) SW COR. TOLER AVE. and Warner, Oakland; 1-story 4-room dwelling.
Owner and Builder—F. Chapman, 1847 66th Ave., Oakland.
Architect—None. \$2250

REPAIRS
(609) 612 15th ST., Oakland; fire repairs.
Owner—Jennie L. Mansfield.
Architect—None.
Contractor—A. H. Rose, 478 25th St., Oakland. \$2000

DWELLING
(610) N BEVERLY AVE. 40 W 106th Ave., Oakland; 1½-story 6-room dwelling.
Owner and Builder—A. E. Sater, 3727 Hillview St., Oakland.
Architect—None. \$3800

APARTMENTS
(611) E PILBERT ST. 87 N 14th St., Oakland; two-story 24-room apts.
Owner and Builder—H. B. Winkelman, 805 Calmar Ave., Oakland.
Architect—None. \$15,000

ALTERATIONS
(612) 218 SAN CARLOS AVE., Piedmont; alterations.
Owner—Mr. Bigelow, 218 San Carlos Ave., Piedmont.
Architect—None.
Contractor—J. B. Petersen. \$1350

ALTERATIONS
(613) 934 ARLINGTON AVE., Berkeley; alterations.
Owner—A. C. Elkington.
Architect—None.
Contractor—J. Pattinson, 925 The Alameda, Berkeley. \$1350

RESIDENCE
(614) 1870 THOUSAND OAKS Blvd., Berkeley; 1½-story 6-room 1-family frame residence.
Owner—W. B. Hughes, 902 Washington St., Oakland.
Architect—None.
Contractor—Hughes & Beach. \$5000

RESIDENCE
(615) 175 ESTATES DRIVE, Piedmont; two-story 12-room frame residence.
Owner—H. C. Jones, 436 Bellevue Ave., Oakland.
Architect—Williams and Wastell, 374 17th St., Oakland.
Contractor—A. A. Haskell, 255 Ridgeway, Oakland. \$32,500

ALTERATIONS
(616) 2215 OREGON ST., Berkeley; alterations.
Owner—Geo. H. Nebber, 165 Amador Road, Berkeley.
Architect—None.
Contractor—H. Johnson. \$1000

CREAMERY
(617) SE COR. E 14th St. and 19th Ave., Oakland; two-story 16-room brick creamery.
Owner—Darigold Milk Co., Ltd., 1923 E 14th St., Oakland.
Architect—None.
Contractor—G. H. Wendt, 2116 Allston Way, Berkeley. \$25,000

ALTERATIONS
(618) NORTH END OF JAY ST., Alameda. Alterations.
Owner—Alaska Packers Association, 111 California St., San Francisco
Architect—P. L. Bush, 101 California St., San Francisco.
Contractor—R. W. Littlefield, Oakland \$3000

BUNK HOUSE
(619) KILKARNEY ROAD, Bay Farm Island, Alameda. One-story 8-room bunk house.
Owner—E. R. Hamblin, 3234 Central Ave., Alameda.
Architect—None. \$1500

DWELLING
(620) NO. 3233 BRIGGS AVE., Alameda One-story 4-room frame and stucco dwelling.
Owner—N. F. Justice, 3232 Bayo Vista Ave., Alameda.
Architect—None. \$2500

RESIDENCE
(621) NO. 1416 ADDISON ST., Berkeley. One-story 3-room 1-family frame residence.
Owner—Joseph Prohl, 1418 Addison St., Berkeley.
Architect—None. \$1200

DWELLING
(622) 1672 TRESTLE GLEN ROAD, Oakland; two-story 7-room dwelling.
Owner and Builder—H. C. Pendleton, 76 Lakeview Ave., Oakland.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland. \$6500

SERVICE STATION
(623) NE COR. 45th and Telegraph Ave., Oakland; one-story steel service station.
Owner—Richfield Oil Co., 13th and Franklin Sts., Oakland.
Architect—None.
Contractor—Dyer Const. Co., 701 Ray Bldg., Oakland. \$3000

SERVICE STATION
(624) NE COR. EIGHTH and Harrison Sts., Oakland; one-story brick and tile service station.
Owner—Union Oil Co. of California, Mills Bldg.
Architect—None.

Contractor—William Keating, Central Bank Bldg., Oakland. \$6000

RESIDENCE
(625) NO. 1930 PRINCE ST., Berkeley. One-story 4-room 1-family residence.
Owner—Mrs. Rose Haws, 781 65th St., Berkeley.
Architect—None.
Contractor—H. A. Lassen, 5532 Manila Ave., Oakland. \$3350

ADDITION
(626) 5825 MARGARIDO DR., Oakland.
Owner and Builder—E. C. Cornelius, 5825 Margarido Drive, Oakland.
Architect—None. \$1000

DWELLING
(627) MILLS COLLEGE Campus; 2-story 8-room dwelling.
Owner and Builder—Mills College.
Architect—None. \$11,000

DWELLING
(628) E 41st AVE. 50 N Carrington; one-story 5-room dwelling.
Owners—Mr. and Mrs. H. Sampson.
Architect—None.
Contractor—Homer Sampson, 2032 Coolidge Ave., Oakland. \$5000

RESIDENCE
(629) NO. 1201 WALNUT ST., Berkeley. Two-story 6-room 1-family frame residence.
Owner—C. M. Amorasier, % Blitrite Construction Co., Berkeley.
Architect—W. K. Barges, 1611 Posen Ave., Berkeley.
Contractor—Blitrite Constr. Co., 366 Ocean View Ave., Berkeley. \$5000

RESIDENCE
(630) NO. 47 POPLAR LANE, Berkeley. Two-story 6-room 1-family frame residence and garage.
Owner—Thomas Galvin, 1142 Evelyn Ave., Berkeley.
Architect—None. \$6200

DWELLING
(631) NO. 737 COLLIER DRIVE, San Leandro. One-story 6-room frame and stucco dwelling.
Owner—G. A. Humpert.
Architect—L. H. Coit, 2723 Prince St., Berkeley.
Contractor—Nylander Bros., 1610 Excelsior Oakland. \$5500

ADDITION
(632) NO. 958 E-FOURTEENTH ST., San Leandro. Brick addition to garage.
Owner—H. G. Sherman, Premises.
Architect—None.
Contractor—I. L. Leard, 525 Estudillo St., San Leandro. \$4000

ADDITION
(633) 674 23rd ST., Oakland; three-story concrete addition.
Owner and Builder—C. S. Booth, 375 Euclid Ave., Oakland.
Architect—None. \$14,000

ADDITION
(634) 223 SIXTH ST., Oakland; brick and tile addition.
Owner—Walter J. Brown, 223 6th St., Oakland.
Architect—None.
Contractor—George Swanstrom, 1723 Webster St., Oakland. \$3200

FACTORY
(635) SE COR. E 14th ST. and 14th Ave., Oakland; three-story paint factory.
Owner—Andrew Caldwell, 1564 Market St., San Francisco.
Architect—C. W. McCall, 1404 Franklin St., Oakland.

Contractor—Villadsen Bros., Inc., 417
Market St., San Francisco. \$20,000

REPAIRS

(637) 71 TENTH ST., Oakland; fire
repairs.
Owner—O. Schroeder, 442 Sutter St.,
Stockton.
Architect—None.
Contractor—Curtis Wright, 2716 Tele-
graph Ave., Berkeley. \$1400

WAREHOUSE

(637) E LINDEN ST. 300 S 1st St.,
Oakland; one-story brick ware-
house.
Owner—Howard Terminal, ft. of Mar-
ket St., Oakland.
Architect—Reed and Corlett, Oakland
Bank Bldg., Oak., and.
Contractor—James T. Walsh, 224 Bel-
levue Ave., Oakland. \$33,000

DWELLING

(638) S MT. BLVD. 150 E Florence,
Oakland; one-story 6-room dwell-
ing.
Owner and Builder—G. Watkins, 1634
Mt. Blvd., Oakland.
Architect—None. \$4000

RESIDENCE

(640) 1550 LA VERDA AVE., Berke-
ley; two-story 10-room 1-family
frame and shingle residence.
Owner—Dr. W. J. Donald, 2615 Alm-
wood, Berkeley.
Architect—E. L. Snyder, Austin and
Shattuck Aves., Berkeley.
Contractor—Walter S. Orensen, 2940
Piedmont Ave., Berkeley. \$22,000

BUILDING CONTRACTS

Alameda County

No	Owner	Contractor	Amt.
(76)	Martindale	Fox	7615
77	California	Vezev	5430
78	Terminal	Walsh	33300

RESIDENCE

(76) LOT 41 BLK 2, Berkeley Hgts.,
Berkeley; general construction on
two-story frame and stucco resi-
dence.
Owner—W. H. A. Martindale, 2319
Ward, Berkeley.
Architect—None.
Contractor—Fox Bros., 1434 University
Ave., Berkeley.
Filed May 9, 1930. Dated Apr. 26, 1930
When 1st floor is completed.....\$1523
When roof is on.....1523
When plastered.....1523
When accepted.....1523
Usual 35 days.....1523
TOTAL COST, \$7615
Bond, \$3825. Sureties, American Surety
Co. of New York. Limit, 90 days.
Plans and Spec. filed.

ADDITION

(77) NW 40th and HALLECK STS.,
Emeryville; general construction on
warehouse addition.
Owner—The California Packing Corp.,
Oakland.
Architect—None.
Contractor—Chas. D. Vezev & Sons,
354 Hobart St., Oakland.
Filed May 10, '30. Dated May 9, '30.
When foundation is in.....\$1357.50
When brick is 1-story high.....1357.50
When accepted.....1357.50
Usual 35 days.....1357.50
TOTAL COST, \$5430
Limit, 40 days. Plans and Spec. filed.

WAREHOUSE

(78) FIRST and Market Sts., Oak-
land; general construction on 1-
story brick and steel warehouse.
Owner—Howard Terminal, (a corp.),
foot of Market St., Oakland.
Architect—Reed and Corlett, Oakland
Bank of Savings Bldg., Oakland.
Contractor—James T. Walsh, 224 Bel-
levue Ave., Oakland.

Filed May 14, '30. Dated May 5, '30.
1st and 15th of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$33,300
Plans and Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
May 8, 1930—W SAN PABLO AVE 129.67 ft S of Chestnut St, Oak- land. Edward Sommarstrom and J Goldstein to Edw Sommarstrom May 8, 1930	
May 8, 1930—1047 SUNNYHILLS RD Oakland. Mrs Herbert O Alden to A Cedarborg May 8, 1930	
May 8, 1930—W SCHILLER ST 125 ft N of Lincoln Ave, Alameda. Marion Leazer to Fred Price..... April 26, 1930	
May 7, 1930—LOT 13 BLK 9, North Cragmont, Berkeley. Dorothy G Hooper to W H Hooper.....May 5, 1930	
May 7, 1930—LOT 20, Rugg & Lis- bon Tract, Oakland. Rugg & Lis- bon to Self.....May 6, 1930	
May 7, 1930—SE SANTA CLARA Ave and Grand St, Alameda. Rec- tor, Church Warden and Vestry- men of Christ Church in Alameda to F W Smith.....April 27, 1930	
May 8, 1930—LOTS 20 and 21 BLK 1, map No 7 of Regents Park, Albany. Wm K McInnes to whom it may concern.....April 24, 1930	
May 8, 1930—SW 31st and GROVE Sts, Oakland. Antonio Perata to C A Scott.....May 5, 1930	
May 8, 1930—LOT F-55 and SW 10 ft of Lot F-55, Oak Knoll, Oak- land. Earl D Harrison to Hen- ning Carlson.....May 1, 1930	
May 8, 1930—SHATTUCK AVE line Berkeley; 7th St line, Oakland. Southern Pacific Co to Hutchinson Company, Inc.....April 30, 1930	
May 8, 1930—OAKLAND & Hutchin- son. Southern Pacific Co to Hutchin- son Company, Inc.....April 30, 1930	
May 9, 1930—4211 DETROIT AVE, Oakland. Andrew Fleming to Self May 9, 1930	
May 9, 1930—PTN LOT 19, South Mohrland, Eden Twp. H W Sut- tle to Suttle & Green.....May 5, 1930	
May 9, 1930—PTN LOTS 35 and 36 Blk E, map of Rose Park Tract, Oakland. Tekla S Newman to E O'Newman.....May 3, 1930	
May 9, 1930—230 BELLEVUE DR, San Leandro. R H Weeks to whom it may concern.....May 6, 1930	
May 9, 1930—LOT 122, E 14th St Tract, Eden Twp. Clifford M Rus- sell to whom it may concern..... May 3, 1930	
May 12, 1930—LOT 185, East 14th St Junction City Tract, Eden Twp. Earl Traylor to Wm Prunner..... May 12, 1930	
May 13, 1930—SE PARK AVE and Hollis St, Emeryville. Town of Emeryville to Fearey & McElroy May 13, 1930	
May 13, 1930—SW SIXTH and Web- ster Sts, Oakland. Chas E Snook and C H Hunter to H J Christen- sen.....May 10, 1930	
May 13, 1930—PTN LOT B Keystone Tract, Berkeley. Hampton Perkin- s to whom it may concern..... May 12, 1930	
May 13, 1930—E ADELIN ST 52 ft N of 14th St, Oakland. Octave J Perrin to L R Brayton.....April 21, 1930	
May 13, 1930—LOTS 22 and 23 Blk 210, Alden Tract, Oakland. Dina Angel as guardian of Roy Guidi, a minor and Fernando Guidi to Beckett & Wight.....May 9, 1930	
May 12, 1930—PTN LOTS 96 and 97, St James Wood, Piedmont. Geor- gie S Williams to Hugh E Wil- liams.....March 1, 1930	
May 12, 1930—CAMPUS of the Uni-	

versity of California, Berkeley.
The Regents of the University of
California to K E Parker Co; Carl
T Doell Co; M E Ryan; Palace
Hardware Co (four completions).....
.....May 7, 1930

May 12, 1930—LOT 31, Mt. Vernon
Park Tract, Oakland. Chris and
Margaret Thim to whom it may
concern.....May 7, 1930
May 10, 1930—LOT 184 Unit No. 2
Avenue Terrace, Oakland. Osb
and Anna Johnson to whom it
may concern.....May 9, 1930
May 10, 1930—LOT 6 BLK 27,
Amended Map of Fairmount Park
Berkeley. Cora A Charles to
whom it may concern.....May 9, 1930
May 10, 1930—No. 663 CARLSTON
Ave, Oakland. David Stromberg
to whom it may concern.....May 10, '30
May 10, 1930—LOT 155 and Ptn Lots
152, 153 and 154, Havenscourt Ad-
dition, Oakland. John A and
Magdalena Merz to Melrose Steel
Co, Inc.....May 7, 1930
May 10, 1930—LOTS 7 AND 9 and
Ptns Lots 5, 6 & 8 Blk 9, Daley's
Scenic Park, Berkeley. Church
Divinity School of the Pacific to
Conner & Conner.....May 7, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
May 8, 1930—633 ALMA AVE, Oak- land. H A Golden vs H Hofven- dahl\$120	
May 7, 1930—LOT 14 and Ptn Lots 13 and 15 Blk 1, Leonard Tract, Berkeley. California Mill & Lbr Co, \$779.50; Superior Tile & Prod- ucts Co, \$595, vs Clyde M Sage..... May 7, 1930—LOTS 14 and Ptn Lots 13 and 15 Blk 1, Leonard Tract, Berkeley. Grinnell Co of the Pac- ific vs Clyde M Sage and J E Eburns\$423.65	
May 7, 1930—LOTS 21 and 22 Blk 7, map No 8, Regents Park, Alb- any. H C Hunter vs A Troirel.....\$234.34	
May 7, 1930—2435 BLAKE ST, Berke- ley. California Door Co vs C Sage and S Havie.....\$489.65	
May 7, 1930—LOT 47, Ardmore, San Leandro. R F Long vs W A and Genevieve Altevogt.....\$123	
May 7, 1930—104 OAK PARK, Oak- land. California Door Co vs G Auer, H J Henning.....\$1580.25	
May 9, 1930—LOTS 14 ptn Lots 13 and 15 Blk 1, Leonard T'ct, Berke- ley. Maxwell Hardware Co vs C Sage, M Selma, Clyde House.....\$544	
May 9, 1930—LOTS 14 ptn Lots 13 and 15 Blk 1, Leonard T'ct, Berke- ley. Caldwell Paint Co vs Clyde M Sage, H Lanning.....\$175	
May 9, 1930—2433 BLAKE ST, Berke- ley. Roy Swanson, \$250; Marcus Hardware Co, \$118.61, vs Clyde M Sage.....	
May 9, 1930—LOT 14 and Ptn Lots 13 and 15 Blk 1, Leonard Tract, Berkeley. Maxwell Hardware Co \$105.97; Union Co, \$399.02, vs Geo Ouer and K J Henning.....\$73.50	
May 8, 1930—1503 CARLTON ST, Berkeley. Marcus Hardware Co vs Peter Jarvis and J E Brin.....\$49.23	
May 8, 1930—LOTS 7, 8 and 9 ptns Lots 10 and 11 Blk 2 amended map La Loma Park and Wheeler T'ct, Berkeley. Crane Company vs Geo Blood and Geo McCulloch and Nottingham Heating & Ventilating Company.....\$62.68	
May 8, 1930—LOT 14 and Ptn Lots 13 and 15 Blk 1, Leonard Tract, Berkeley. George E Zinslen vs Clyde M Sage, C H House.....\$425	
May 10, 1930—LOT 14 and Ptn Lots 13 and 15 Blk G, Leonard Tract, Berkeley. Berkeley Building Ma- terials Co vs Clyde M Sage; C R	

House; J A Fazio; N Lena and William Smith\$1589.72
 May 10, 1930—LOT 5 BLK C, Excelsior Heights, Oakland. J Goldstein vs Herbert E Hofvendahl\$4016.25
 May 10, 1930—LOT 14 and Ptn Lots 13 and 15 Blk I, Leonard Tract, Berkeley. Lumber Co. of Oakland, \$1407.31; Sheet Metal Service Co, \$205; Home Fixture Builders, \$405; H E Sawyer, \$840 vs C R House and Clyde Sage.....
 May 12, 1930—LOT 7 BLK 966 Roosevelt Terrace, Oakland. John Francis Daly vs Joseph G Fielding, Union Oil Co of California.....\$86.02
 May 10, 1930—LOT 104, Oak Park Tract, Oakland. Union Electric Co vs George Auer; G Watt Spencer and Spencer Electric Co.....\$999.02
 May 10, 1930—LOT 104, Oak Park Tract, Oakland. Berkeley Building Materials Co vs George Auer; K J Henning; J A Fazio and N Lena\$2054.50

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
 May 9, 1930—PTN LOT 7 BLK C, revised map of Oak Tree Farm Tract, Oakland. Tilden Lumber and Mill Co to Mary Cambra, H E MacFarland\$229.64
 May 7, 1930—920 to 936 inc UNION ST, Oakland. Frank M S Cabelleira to J F Cummings, and John Doe Cummings\$182
 May 7, 1930—LOT 3 BLK H, Claremont Pines, Oakland. S F Johnson Co to Rose Wagner Croninger, H K Schulz\$505
 May 12, 1930—W GROVE ST 56 ft S of 29th St, Oakland. Sterling Lumber Co to B J and Inna Riewerts, C R Baender, State Roofing Company\$56.55
 May 12, 1930—LOT 1 BLK 11, High Street Terrace Tract, Oakland. J H Jvons to E C Ramstad.....\$100
 May 10, 1930—PTN LOT 14, Bray Tract, Oakland Old Mission Paint Co to Emil Enz and Maria Renner\$181.59

BUILDING CONTRACTS

SAN MATEO COUNTY

STORE BLDG.
 LOT 22 BLK 117, South San Francisco Plat No. 1, South San Francisco. All work for store building.
 Owner—D W. Ratto, 319 Grand St., South San Francisco.
 Architect—Albert F. Roller, 1556 Cypress St., Burlingame.
 Contractor—Antonio Pianca, 109 Pine Terrace, South San Francisco.
 Filed April 25, '30. Dated April 23, '30.
 On 1st of each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$6732
 Bond, \$—, Surety, —, Limit, 60 working days. Forfeit, none. Plans and specifications filed.

MORTUARY BLDG.

E ¼ LOT 6 BLK 125, City of South San Francisco. All work for mortuary chapel building.
 Owner—S. Nieri, 322 Grand St., South San Francisco.
 Architect—Edwards & Schary, 605 Market St., San Francisco.
 Contractor—Antonio Pianca, 109 Pine Terrace, South San Francisco.
 Filed April 23, '30. Dated April 18, '30.
 Concrete poured outer walls.....\$2390
 Roof & rough plaster on..... 3990
 Completed 3993
 Usual 35 days..... 3990
 TOTAL COST, \$15,963

Bond, \$—, Surety, —, Limit, 90 working days. Forfeit, none. Plans and specifications filed.

SCHOOL

W CHESTNUT ST, N Arroya Ave. with 528.28 ft. frontage on Chestnut St., San Mateo. All work for school building.
 Owner—Sun Carlos Elementary School District, San Carlos.
 Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
 Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
 Filed April 22, '30. Dated April 22, '30
 On 8th day of each month..... 75%
 Usual 35 days..... Balance
 TOTAL COST, \$37,046
 Bond, \$—, Surety, —, Limit, 80 working days. Forfeit, \$—, Plans and specifications filed.

PLUMBING AND HEATING ON above.

Contractor—P. E. Brand, 401 Washington St., Redwood City.
 Filed April 23, '30. Dated April 22, '30.
 Payments same as above.....
 TOTAL COST, \$5767
 Bond, \$—, Surety, —, Limit, 80 working days. Forfeit, \$—, Plans and specifications filed.

RESIDENCE

LOT 1 BLK 2 OF SUBDIVISION 3, Burlingame Park, Hillsborough. All work for two-story and basement frame residence.
 Owner—G. Sheldon Perham 510 Dorchester St., San Mateo.
 Architect—Will H. Toepeke, 74 New Montgomery St., San Francisco.
 Contractor—G. W. Williams Co., 2807 Adeline St., Burlingame.
 Filed April 23, '30. Dated April 22, '30.
 1st payment\$4200.00
 2nd payment 4200.00
 3rd payment 4200.00
 4th payment 4189.10
 5th payment 5596.00
 TOTAL COST, \$22,385.10
 Bond, none. Limit, 100 working days. Forfeit, none. Plans and specifications filed

ALTERATIONS

LOT 52 BLK 10, Crocker Tract, San Mateo. All work for remodeling building.
 Owner—James G. Thompson, Prem.
 Architect—None
 Contractor—Gus Bloomquist.
 Filed May 7, '30. Dated May 1, '30.
 Roof on\$1500
 Brown coated 1500
 Plastered 1000
 Usual 35 days 1025
 TOTAL COST, \$5025
 Bond, none. Limit, reasonable time. Forfeit, \$25. Specifications only filed

BUNGALOWS

LOTS 61 AND 61 BLK 23, White Oak Tract, San Mateo. All work for two one-story frame and stucco bungalows.
 Owner—Koff Realty Co., 25 Taylor St., San Francisco.

Superintendent—C. E. Patton.
 Contractor—C. S. Baker, 611 S-Fremont St., San Mateo.
 Filed May 8, '30. Dated April 29, '30.
 Roof on\$212.50
 Plastered 2212.50
 Completed 2212.50
 Usual 35 days..... 2212.50
 TOTAL COST, \$8850.00
 Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

COTTAGE

PART LOTS 8 AND 9 BLK 125, South San Francisco. All work for one-story and basement frame and stucco cottage.
 Owner—Angelo Bottini et al, 334 Miller St., South San Francisco.
 Architect—None.
 Contractor—Lorenzo Armanino, South San Francisco.
 Filed May 8, '30. Dated May 6, '30.
 Roof on\$1850
 Completed 1700
 Usual 35 days..... 1000
 TOTAL COST, \$4550
 Bond, \$2275. Sureties, G. Uccelli and W. H. Dinning. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
 April 25, 1930—LOT 24 BLK 15, Baywood. N D Morrison to Thomas A Cavanagh. April 25, 1930
 April 25, 1930—S ¼ OF SE ¼ LOT 1 BLK B, Woodside Acres. F E Stevenson to whom it may concern. April 25, 1930
 May 1, 1930—PTN LOT 13 Map of Villa Lits at Fair Oaks. Martin Lalor Crimmins Jr to Meese & Briggs. April 29, 1930
 May 1, 1930—LOTS 7 AND 8 La Canada Rd, Hillsborough Knolls J Vincent Meherlin to Barrett & Hilp. April 28, 1930
 May 1, 1930—LOT 4 BLK B, Pech's Sub No. 1, South San Francisco. H A Thrall to whom it may concern. April 30, 1930
 May 1, 1930—PTN LOTS 1, 2, 3 & 4 Blk 14, North Palo Alto. H J Seegelman to A C Heald. April 26, 1930
 May 1, 1930—LOT 19 BLK 13, Vista Grande Tract No. 1, Daly City. M F Brass to whom it may concern. April 8, 1930
 May 1, 1930—LOT 20 BLK 18, Vista Grande Tract No. 1, Daly City. M F Brass to whom it may concern. April 8, 1930
 May 2, 1930—PART LOT 2 BLK 8, Burlingame Land Co Tract, Burlingame. Anton Ruifs to Johnson & Anderson. May 1, 1930
 May 2, 1930—STATION 261+50, San Mateo State of California to Hanson Bros. March 25, 1930
 May 3, 1930—PART LOTS 3 AND 4 Blk 9, Burlingame Land Co. Tet San Mateo. James K Moore et

Member Insurance Brokers' Exchange

FRED H. BOGGS
 INSURANCE
 490 GEARY STREET

Phone FRanklin 9400

San Francisco

al to whom it may concern..... May 1, 1930
 May 5, 1930—LOT 1, Arden Wood, San Mateo. Alfred S Kay to Henry B Post..... April 30, 1930
 May 5, 1930—LOT W BLK 1, Burlingame Terrace, Burlingame. Jos A Goyette to Thomas N Gesso..... May 2, 1930
 May 5, 1930—LOT 22 BLK 5, Easton Harry H Randles to whom it may concern..... May 5, 1930
 May 5, 1930—LOTS 2 AND 3 BLK 21, Milbrae Highlands. James A Arnott to James Arnott & Son..... May 2, 1930
 May 6, 1930—LOT 11 BLK 3, Milbrae Highlands. William H Gibbons to whom it may concern..... May 5, 1930
 May 6, 1930—LOT 9 BLK 1, Baywood. Charles L Bell to whom it may concern..... May 5, 1930
 May 7, 1930—LOT 1 BLK 18, Belmonte. Loren E Conrad et al to whom it may concern..... May 1, 1930
 May 7, 1930—SKYLINE BLVD. State of California to Carl Lewis..... May 5, 1930
 May 7, 1930—LOT 15 BLK 11; Lots 11 and 12 and Part Lots 12 and 14 BLK 9; Lot 7 Blk 11, Town of Baden. Rivers Bros to whom it may concern (3 completions)..... April 30, 1930
 May 7, 1930—LOTS 48 AND 49, Sky Londa Tract, San Mateo. J N Baicigalupi to Harry C Yates..... April 24, 1930
 May 8, 1930—LOT 4 BLK 9, Range D Mezesville, Redwood City. L G Wallace et al to whom it may concern..... May 5, 1930
 May 8, 1930—PART LOT F, Selby Tract, San Mateo. J M Jacobi et al to whom it may concern..... May 5, 1930
 May 8, 1930—LOT 1 Part Lot 2, James St. Addition, San Mateo. Lola B Brown to whom it may concern..... May 8, 1930
 May 8, 1930—PART BLK A, Mezesville, Redwood City. General Properties Inc to Wells P Goodenough..... May 9, 1930
 May 9, 1930—LOT 3 BLK 22, Lomita Park. William Laikam Jr to whom it may concern. May 6, 1930
 May 9, 1930—PART LOT 8 BLK B Hillsborough Park No. 2. Duncan H Davis et al to N Petersen et al..... May 9, 1930
 May 9, 1930—PART LOT 17 BLK 10 Robinson Sub., San Mateo. S Morris to S Morris..... May 9, 1930
 May 9, 1930—LOT 24 BLK 27, Vista Grande. M F Brass to whom it may concern..... May 6, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
 April 24, 1930—LOT 17 BLK 29 Sub No. 1, Milbrae Highlands, Milbrae. Trollman Mfg Co vs R B Bowers.....\$126
 April 25, 1930—LOTS 11 AND 12 Blk F, Baywood. Burlingame Hardware Co vs C W Rohrer.....\$227.70
 April 25, 1930—LOTS 11 & 12 BLK F, Baywood. Progress Lumber Co, \$35.10; Paul Merner, \$2374.59 vs Nora W Rohrer.....
 April 26, 1930—LOT 9 BLK B, Fay Redwood Gardens, Redwood City. San Carlos Feed & Fuel Co, \$202.82 Sweden Lumber Co, \$234.13 and \$234.87 vs R B Bowers.....
 May 1, 1930—LOT 3 BLK 10, University Heights, San Mateo. Merner Lumber Co vs Albert W Bell.....\$478.22
 May 1, 1930—LOT 5 BLK C, Fays

Redwood Gardens, Redwood City. Merner Lumber Co vs R B Bowers.....\$35.05
 May 1, 1930—LOT 9 BLK B, Fay's Redwood Gardens, Redwood City. Merner Lumber Co vs R B Bowers.....\$35.05
 May 10, 1930—LOT 36, (50x150 ft.). Fowler. Walter Scane, \$234; J C Shadwick, \$92; Paul Crawford, \$31; John Stratton, \$80 vs Mehren Agabadian et ux.....
 May 7, 1930—LOT 49 BLK 6, Burlingame. Harry Lee \$315; San Mateo Feed & Fuel Co, \$341.52; Malott & Peterson, \$405.50 vs Robert Fulton Nielsen.....
 May 8, 1930—LOT 11 BLK 54, Easton. Christenson Lumber Co vs G W Becker et al.....\$114.12

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
 May 8, 1930—LOT 18 BLK 40, Easton. J L Conley to whom it may concern.....\$150

BUILDING CONTRACTS

SANTA CLARA COUNTY

STORE BLDG.
 NW REED AND FIRST STS., San Jose. All work for master tire store and service building.
 Owner—Firestone Tire & Rubber Co., 111 Townsend St., San Francisco. Architect—None.
 Contractor—R. O. Summers, 17 N First St, San Jose.
 Filed April 22, '30. Dated Mar. 27, '30
 As work progresses..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$28,897.85
 Bond, \$28,895.85. Surety, The Metropolitan Casualty Insurance Co. of New York. Limit, 75 days from date of commencement. Forfeit, none. Plans and specifications filed.

RESIDENCE

E COWPER ST. 80.71 N California Ave. being Lot 8 Blk 50, Sherman Park Tract, Palo Alto. All work for two-story residence and garage.
 Owner—John P. and Elizabeth H. Breedon, 251 Embarcadero St., Palo Alto.
 Architect—Erwin Reichel.
 Contractor—W F. Klay, Menlo Oaks Drive, Menlo Park.
 Filed May 2, '30. Dated April 26, '30.
 Frame up..... 25%
 Plaster on..... 25%
 Completed and accepted..... 25%
 Usual 35 days..... 25%
 TOTAL COST, \$15,705
 Bond, \$15,705. Surety, Commerce Casualty Co. Limit, on or before 4 months from April 26, 1930. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

PALO ALTO

DWELLING, frame and stucco, \$4,000; 435 Fulton St.; owner, Mrs. M. Natis; contractor, J. F. Brown, 510 Park Blvd., Palo Alto.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
 May 1, 1930—PART LOT 4 BLK 39, Palo Alto. Berno E Schusman to whom it may concern.....April 25, 1930
 May 1, 1930—5.55 AC. ON W 24TH St. 7.39 2/5 chs NW Alum Rock Ave, San Jose. T O Ennis et al to

whom it may concern.....April 29, 1930
 May 1, 1930—PART LOT 10 BLK 1 Scale Addn No. 7, Palo Alto. Clementia L Gibson to whom it may concern.....April 25, 1930
 May 2, 1930—LOT 15 BLK 119, Crescent Park, Palo Alto. Alice Pierce Fischel to whom it may concern.....April 30, 1930
 May 3, 1930—LOT 3 BLK 4, Mt. Hamilton View Park, San Jose. Harold L Craven et al to whom it may concern.....April 29, 1930
 May 5, 1930—LOT 92, Cottage Grove Tract, San Jose. John Bozzo to whom it may concern.....April 30, 1930

BUILDING CONTRACTS

MONTEY COUNTY

RESIDENCE & GARAGE
 CARMEL; general construction on a two-story residence and garage.
 Owner—Mr. and Mrs. E. H. Cox, 17 Mile Drive and Palmero Drive, Pebble Beach.
 Architect—Guy Koepp, Dolores Street, Carmel.
 Contractor—Meese & Briggs, La Gralda Bldg., Carmel.
 Filed May 8, 1930. Dated Apr. 8, 1930.
 When frame is completed.....\$2348.75
 When brown coated.....2348.75
 When completed.....2348.75
 Usual 35 days.....Balance
 TOTAL COST, \$9395
 Plans and Spec. filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
 May 7, 1930—PTN LOT 8 BLK 4, Homestead Addition to Salinas City. Angus L Vitelle to whom it may concern.....May 7, 1930

BUILDING CONTRACTS

SONOMA COUNTY

DWELLING
 LOT 11 N SIDE LUDWIG AVE just outside city limits of Santa Rosa. All work for one-story 5-room dwelling.
 Owner—Jim Montini, Rt. 1, Box 423, Santa Rosa.
 Architect—None.
 Contractor—Charles L. Donovan.
 Filed May 12, '30. Dated May.....'30.
 Frame and rafters placed.....\$612.50
 Plaster and stucco on.....612.50
 Completed.....612.50
 Usual 35 days.....TOTAL COST, \$2450.00
 Bond, \$2500. Surety, Glenn Falls Indemnity Co. of Glenn Falls, N. Y. Limit, 50 days. Forfeit, none. Specifications only filed.

DWELLING
 HEALDSBURG. All work for two-story stucco dwelling.
 Owner—George Alexander and Wife. Healdsburg.
 Architect—W. Herbert, Rosenberg Bldg., Santa Rosa.
 Contractor—F. Heltz and P. F. Wittes, 318 Powell St., Healdsburg.
 Filed May 6, '30. Dated May 6, '30.
 On 10th of each month.....75%
 Usual 35 days.....25%
 TOTAL COST, \$
 Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted
 May 5, 1930—LOT 10 BLK 16, McDonald's Addition to Santa Rosa. Thomas L. Mack to William J. Lindsay.....May 3, 1930

LIENS FILED

SONOMA COUNTY

Recorded	Amount
May 13, 1930—LOT 55 BLK 2, J. Wheelers Addn to Santa Rosa, L. E. Johnson vs Ernestine C and Henry D Shaffer.....	\$150

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

SERVICE STATION
LOT 11 BLK 210, East of Center St., Stockton. All work for service station.
Owner—Texas Co., Hearst Bldg., San Francisco.
Architect—None.
Contractor—J. A. Allen, 525 E. Market St., Stockton.
Filed May 10, '30. Dated April 29, '30.
TOTAL COST, \$6920
Bond, none. Limit, 45 working days.
Forfeit, plans and specifications, none

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
May 7, 1930—SE COR. OF SW ¼ of Blk 200, Stockton. Monarch Foundry Co to C Elves Totten.....	May 5, 1930
May 7, 1930—LOT 26, Subdivision No. 2, College Park, Stockton. Percy C Hunt to whom it may concern.....	May 5, 1930

BUILDING PERMITS

RICHMOND

STORE building, tile, 25x58 feet, \$2750; N Macdonald Ave., bet. 12th and 14th Sts., Richmond; owner, Joe Perasso, 14th St and Macdonald Ave., Richmond; contractor, Carl Overaa, 2105 Roosevelt Ave., Richmond.
GARAGE, tile, 7 car, \$2000; W 25th St., bet. Macdonald and Nevin Aves., Richmond; owner, Frank Bailey; contractor, Carl Overaa, 2105 Roosevelt Ave., Richmond.

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
May 3, 1930—SAN ANSELMO. Otis H Smith and Wife to Otis H Smith.....	May 1, 1930
May 6, 1930—SAN RAFAEL. Clifford H Towle to E W Ruhl.....	May 6, 1930
May 6, 1930—LARKSPUR. Robert E Smith to whom it may concern.....	May 6, 1930
May 8, 1930—MILL VALLEY. Isabel A Domingos to whom it may concern.....	May 5, 1930
May 10, 1930 — MILL VALLEY. William Wirt to A H Pritchard.....	May 9, 1930

LIENS FILED

MARIN COUNTY

Recorded	Amount
May 8, 1930—MILL VALLEY. E L Blackmon vs Mary W Fiske and James Allan.....	\$106
May 12, 1930—MILL VALLEY Atlas Heating & Ventilating Co vs Philip Nicklas and Mary E Fisk.....	\$194
May 5, 1930—HOMESTEAD, Mill Valley. F W Wardell vs Lillian Parriera.....	\$28 25

BUILDING PERMITS

SACRAMENTO

ADDITION to school, \$22,350; 5225 J St.; owner Sacramento City School Dist., 2030 Ave L, Sacramento; contractor, Wm. C. Keating, Forum Bldg., Fresno.
ADDITION, \$1000; 932 51st St.; owner, A. V. McDonald, premises.
REPAIRS, general, \$1500; 3031 Y St.; owner, H. E. Desenfrants, 3027 J St., Sacramento; contractor, W. E. Truesdale, 2116 H St., Sacramento.
REPAIRS, general, \$2000; 516 K St.; owner, Boston Shoe Co., 1121 5th St., Sacramento; contractor, Jas. T. Ransdall.
RESIDENCE, \$4000; 2115 24th Street; owner, Geo. Ferrar, 2215 9th St., Sacramento; contractor, M. Ferrar, 2315 9th St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
May 7, 1930—ELVAS. Southern Pacific Co to whom it may concern (bank widening).....	April 30, 1930
May 12, 1930—LOT 34, Ridge Park, Sacramento Bowen & McMahon to whom it may concern.....	May 10, 1930
May 12, 1930—LOTS 38 AND 100, McKinley Blvd. No. 2, Sacramento A Kaiser to whom it may concern (2 completions).....	May 12, 1930
May 9, 1930—LOT 25, Harding Place, Sacramento. H M and Gertrude W Dunkel to whom it may concern.....	May 8, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
May 10, 1930—LOT 98, McKinley Blvd Tract, \$7.47; Lot 99, McKinley Blvd Tract, \$20.53; Lot 100 McKinley Blvd Tract, \$38.70; Lots 14, 15 and 16, Colonial Acres, \$18.11. Shorrack-Smith Hardware Co vs Adolf and Rosa Kaiser.....	
May 10, 1930—LOT 123, New Era Park, Sacramento. J E Myhren vs Annie J Gerrie.....	\$40
April 7, 1930—LOT 1 San Juanita Col. Sterling Lbr Co vs Louisa Jane and J C O'Connor and Clifford C Corum.....	\$148.23
May 7, 1930—LOT 57, Beyerford Heights, P Hoeckstra vs Mr and Mrs Thomas McMahon.....	\$30
May 6, 1930—LOT 97, \$18.10; Lot 99 \$44.49; Lot 100, \$30.25, all in McKinley Blvd Tract No 2. Pacific Coast Aggregates, Inc vs Adolph and Rosa Kaiser.....	
May 6, 1930—LOT 15, McKinley Blvd Tract. Pacific Coast Aggregates, Inc vs Mr and Mrs Loren C Ogel.....	\$54.38

BUILDING PERMITS

FRESNO

DWELLING, \$2800; No. 1543 D St., Fresno; owner, De Fleppo Rose.
DWELLING, \$4000; No. 1465 San Pablo Ave., Fresno; owner, W. H. Richmond, 1238 Farris St, Fresno
SERVICE station, rest room and battery shop, \$1650; No. 2 Blackstone Ave. Fresno; owner, Constance Medina, 2811 Illinois St., Fresno.
DWELLING and garage, \$4700; No. 727 Terrace St., Fresno; owner, Howard Dickey, 150 Howard St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
May 6, 1930—LOT 3 BLK 64, Sierra Vista Addition No. 3, Fresno. Karl Gleim Jr. to whom it may concern.....	May 6, 1930
May 6, 1930—SE ¼ OF NW ¼ OF Section 5, 15-21, Fresno. Maria D Parsons to whom it may concern.....	April 26, 1930
May 7, 1930—SECTION 25, 20-14 of California Main Camp. Standard Oil Company to Sinclair-Wolfe Company.....	May 2, 1930
May 9, 1930—LOT 20 E ½ LOT 21 Blk 6, College Addition, Fresno. A F Lambert to whom it may concern.....	May 8, 1930
May 9, 1930—LOT 2 BLK 61, Sierra Vista Addition No. 3, Fresno. George A Gow to T W Griffith.....	May 6, 1930
May 10, 1930—LOT 114, Roeding Villa Col., Fresno. Conrad Kerber to Vincent Leal.....	May 10, 1930
May 8, 1930—VILLA LOT 86, Fowler. Mehran Aghazadian et ux to C A Cornell.....	May 5, 1930

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M., on June 4, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Butte County, between Bardees Creek and Pulga (11-But-21-C), about one and eight-tenths (1.8) miles in length, to be graded.

Lassen County between Susanville and two miles west of Milford (11-Las-29-C,D), about twenty-two (22.0) miles in length, seal coat and bituminous surface treatment to be applied.

Shasta County, a timber bridge across Salt Creek about 15 miles east of Redding (11-Sha-28-A), consisting of one 60-foot pony truss span on concrete piers and six 19-foot approach spans on frame bents with concrete pedestals.

Shasta and Lassen Counties, between Fall River Mills and Big Valley (11-Sha-Las-28-E & A), about seventeen and nine-tenths (17.9) miles in length, to be graded and surfaced with untreated crushed gravel or stone.

Nevada and Placer Counties, between South Fork of Yuba River and Soda Springs (11-Nev-Pla-37-A, F,B) about ten and eight-tenths (10.8) miles in length, to be surfaced with crusher run base and untreated crushed gravel or stone surfacing.

Marin County, between San Rafael and Alto (IV-Mrn-1-C), about four and four-tenths (4.4) miles in length, to be surfaced with bituminous macadam.

Proposal forms will be issued only to those Contractors who have furnished a verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes of 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

C. H. PURCELL,
State Highway Engineer.

Dated May 7, 1930.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the Department of Public Works, Division of Highways, at the office of the District Engineer, P. O. Box 1353, Fresno, California until 2:00 o'clock P. M., on May 26, 1930, at which time they will be publicly opened and read, for performing work as follows:

Fresno and King Counties, between Coalinga and Hanford, VI-Fre-Kin-10-D.E.F.B. & C. about forty-five (45) miles in length, light fuel oil to be furnished and applied to the shoulders.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the above address.

No bid will be received unless it is made on a proposal form furnished by the District Engineer. Each bid must be accompanied by cash, or a certified check made payable to the Director of Public Works, for an amount equal to ten (10) per cent of the amount bid, such guaranty to be forfeited should the bidder to whom the contract is awarded fail to enter into the contract.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

C. H. PURCELL,
State Highway Engineer.

By E. E. WALLACE,
District Engineer, Dist. VI.

Dated: May 10, 1930.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the Department of Public Works, Division of Highways, at the

office of the District Engineer, P. O. Box 1353, Fresno, California until 2:00 o'clock P. M., on May 26, 1930, at which time they will be publicly opened and read, for performing work as follows:

Madera, Fresno, Tulare and Kings Counties, various portions: VI-Mad-4-A; VI-Fre-4-A,B,C; VI-Tul-4-E,F,E, & D; VI-Tul-10-A,B,C,D, & E; VI-Kin-10-A; about one hundred two and six-tenths (102.6) miles in length, light fuel oil to be furnished and applied to the shoulders.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the above address.

No bid will be received unless it is made on a proposal form furnished by the District Engineer. Each bid must be accompanied by cash, or a certified check made payable to the Director of Public Works, for an amount equal to ten (10) per cent of the amount bid, such guaranty to be forfeited should the bidder to whom the contract is awarded fail to enter into the contract.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

C. H. PURCELL,
State Highway Engineer.

By E. E. WALLACE,
District Engineer, Dist. VI.

Dated: May 10, 1930.

LAB TESTS OF REINFORCED CONCRETE ARCH RIBS

Bulletin No. 202 of the Engineering Station of the University of Illinois contains the results of an investigation made with reinforced concrete arch ribs. One object of the test was to determine the strength developed by the concrete in an arch in order that a comparison might be made with the strength developed by the same concrete in control cylinders.

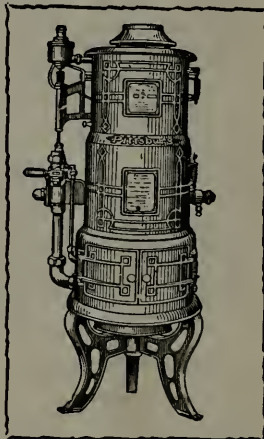
Also it was desired to compare the actual stress at various loads with the theoretical stress at the same loads. Arches of various widths were tested in order that the effect of the slenderness ratio of a rib upon its strength might be determined. A few tests were made to determine whether spiral reinforcement increases the strength of an arch rib, as it does the strength of concrete columns. The magnitude of the deformation of concrete is known to depend upon the length of time that the load is applied. Tests were made to determine the effect of time yield upon the relation between reaction and abutment displacements.

The bulletin contains a description of the specimens and apparatus used. It includes a detailed report of tests of thirteen arches, eleven specimens being subjected to symmetrical loads and two to unsymmetrical loads, as well as the results obtained from the investigation.

Copies of Bulletin No. 202 may be obtained without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

A. H. Albertson, Seattle architect, has been nominated for first vice-president and director of the American Institute of Architects. The election will be held at Washington, D. C., during the Institute's 63rd convention, May 21-23. Nominations of officers are made by petitions by institute members grouped by state chapters. The only other nominee for first vice-president and director is Arthur Wallace Rice of Boston.

Mr. Albertson also has been nominated for second vice-president of the institute, with additional candidates consisting of Mr. Rice, Horace W. Peaslee of Washington, D. C., and Dalton J. V. Snyder of Detroit. The only other nominee for president are Charles A. Favrot of New Orleans and J. Monroe Hewlett and Robert D. Kohn of New York.



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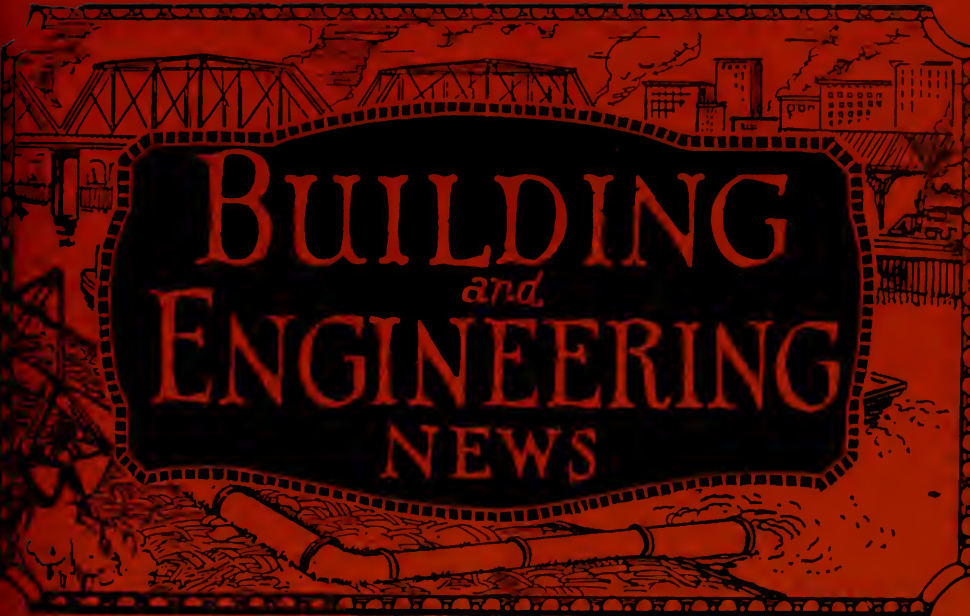
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BUILDING *and* ENGINEERING NEWS

Publication Office
447 Mission Street

SAN FRANCISCO, CALIF., MAY 24, 1930

Thirtieth Year, No. 21
Published Every Saturday

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Building and Engineering News

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Issued Every Saturday

SAN FRANCISCO, CALIF., MAY 24, 1930

Thirtieth Year, No. 21

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone Garfield 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

BUSINESS CONDITIONS NEAR NORMAL—LAMONT

With a continuation of present trends in business conditions the United States should be back to normal within a few months, Secretary of Commerce Lamont declares.

The normal curve of business is steadily upward to meet the increasing requirements of greater population and increased consumption, according to Lamont.

"At this time in 1921 business was 22 points below the normal level, while today it is but 6 points below," Lamont said. "Underlying conditions are better today than in 1921 and if the present rate of progress continues we should be back to normal in two or three months."

Lamont said that the steel industry expected to "carry on" at about the present rate for sometime. He characterized the 80 per cent of capacity operation in the steel industry as satisfactory, remarking that such an output was equal to 85 to 100 per cent capacity operation a few years ago.

Total construction contracts in April amounted in value to \$483,000,000, the largest since August, 1929, he said. This figure, however, was 25 per cent less than April, 1929, an unusually heavy month, while contracts for the first four months of the year averaged 17 per cent less than in 1929.

April public utilities and public works contracts were valued at \$149,670,000, compared with \$105,350,000 in March and \$152,127,000 in April last year. For the first four months contracts of this character amounted to \$452,910,000, an increase of 30 per cent over last year.

Referring to retail trade Lamont said that 51 per cent of stores reporting showed good to excellent trade in April, while 22 per cent of the same stores made similar reports in March, indicating an improvement.

O. M. THOMPSON, CONTRACTOR, DIES IN OAKLAND

Oliver M. Thompson, 78, a member of the firm of Thompson Bros., contractors of Fresno, and a resident of that city for the past fifty years, died in an Oakland hospital last Wednesday.

Active in the business development of Fresno, Thompson also had taken part in civic affairs and was president of the board of education from 1901 to 1909. During his term of office, the school system underwent a considerable expansion.

Thompson was born in Lewistown, Missouri, in 1852. He is survived by his widow, Mrs. Nancy Hope Thompson; a son, Eugene O. Thompson of Fresno, and 7 grandchildren, Ronald, Clinton, Dorothy, Robert, Nancy Barr, Jean and Betty Thompson.

H. T. Didesch, former managing director of the Millwork Institute of California, had taken charge of the association activities of the East Bay millwork group at Oakland.

C. OF C. WITHHOLDS G. G. BRIDGE APPROVAL

San Francisco's Chamber of Commerce does not approve, nor does it oppose, construction of the Golden Gate bridge or of a transbay bridge.

The Chamber of Commerce will take no stand on the bridge question until a complete investigation has been made and the findings studied. Then, if satisfied that either project is "sound economically," the Chamber of Commerce will endorse.

So says Almer M. Newhall, president of the Chamber, who further asserts that no criticism will force the organization into a premature stand.

The Chamber of Commerce, Newhall announces, will support the Golden Gate Bridge Project only under the following conditions:

"If that bridge is necessary to the progress of San Francisco and its metropolitan area; if it can be built to handle adequately the traffic demands made upon it at a cost which can be justified on sound business principles; and if this cost can be determined accurately and finally before a shovelful of earth is turned in the construction of that bridge."

BERKELEY CITY MANAGER TO ACCEPT FLINT POSITION

John N. Edy, city manager of Berkeley, has accepted an appointment to head the municipal business of the city of Flint, Mich., according to word received at Berkeley.

The salary paid by Berkeley is limited by charter to \$10,000 annually. The Flint salary will be \$15,000 to start with and an annual increase of \$1000 until the maximum of \$20,000 is reached.

Edy entered Berkeley's municipal service in 1923, the first man to hold the position of city manager. He introduced many innovations which have gained him notice throughout the nation. He was given a degree of master of arts at the University of California in 1926. He is a civil engineer by training, holding degrees in this subject from the University of Missouri.

SEEVER REPRESENTS GENFIRE IN PACIFIC NORTHWEST

H. E. Seever, for several years with the Genfire Steel Company in various capacities throughout the country, has been appointed district manager for Washington and Oregon, with offices in the Seaboard Bldg., Seattle. He succeeds Geo. Turner, resigned. Mr. Seever began his service with the company in the main office at Youngstown, Ohio. He is a graduate of the engineering school of the University of Kansas. Products of the Genfire Steel Company distributed in the Northwest are steel joists, steel sash, metal building specialties, steel pangs and water proofing products.

EFFORTS TO ADJUST CRAFT DISPUTES OF BUILDERS PROGRESS

Department of Labor officials are deeply concerned in the matter of jurisdictional labor disputes and have expressed satisfaction concerning negotiations to provide an impartial agency, representing contractors of the country and the building trades, to adjust inter-craft differences, the Director of the Conciliation Service, H. L. Kerwin, stated orally to U. S. Daily on May 12.

Contractors' representatives and the spokesmen for the building trades are reported to be making rapid progress in conferences now going on and it is anticipated that they will finally accomplish the work of drawing up a plan that will be satisfactory to all interests concerned, Mr. Kerwin said.

He explained that a joint committee composed of eight representatives of the contractors and eight delegates of the tradesmen met in Tampa, Fla., in January to take up the matter of these disensions, which annually cause a large economic loss because of stoppage of work on construction projects. A sub-committee was formed of three representatives each of the contractors and craftsmen and it formulated a preliminary plan.

The sub-committee presented the plan to the larger body later in meetings in Washington, D. C., according to Mr. Kerwin. Certain changes were suggested. At a conference in Washington the larger committee decided on April 24 that there should be no stoppage of work on account of jurisdictional disputes during a 90-day period when the plan was being considered. The sub-committee is to meet again next month to act on suggestions concerning the plan which it is hoped will be received in the interim from representatives of the national building trades, and then present another draft of the plan to the joint committee at a meeting to be held about July 28. The committee hopes to take final action on the plan at that time, Mr. Kerwin said.

Inventions, improvements and changes in building materials and methods are bound to cause occasional disputes over jurisdiction and some of them are honest differences in opinion, Mr. Kerwin, asserted. If the question were one of wages, working conditions, or a controversy of some sort between workers and employers, there might be a more justifiable reason for stopping work until a settlement could be made, he declared.

In a dispute as to which craft shall do a certain kind of work, the owner or employer is in no way at fault and has no part in the dispute, he pointed out. He has entered into a contract and, in all fairness, is entitled to the services of labor, even though the crafts disagree among themselves, it was added. Agreements generally call for unbroken work until the construction is completed, said Mr. Kerwin.

METHODS OF PROCEDURE IN FILING MECHANICS' LIENS

By HARRY C. WESTOVER, Attorney-at-Law

As stated in a previous article, it is only necessary that the following things be stated in a lien: 1. The amount due after deducting all just credits and offsets. 2. The name of the owner or reputed owner. 3. A general statement of the kind of work done or the materials furnished. 4. The name of the person by whom the lien was employed. 5. A description of the property sought to be charged sufficient for identification must be given, and the claim must be verified by the oath of the claimant or some other persons.

In regard to the amount due claimant, nothing more is required in the lien than a statement of the demand showing its nature and character and the amount due or owing. It is immaterial whether the whole amount due, that is, the full amount of the contract price, is stated, with credits or the true amount due after deducting credits and offsets is given, provided of course, that the facts are correctly stated. It is necessary to include in the demand a statement as to the amount due after deducting all just credits and offsets and a claim that merely states a sum due to the claimant without any reference to payments or offsets is bad. Davis vs. Livingston 29 Cal. 283. In the absence of a fraud or willful falsity, a claim of lien which is good in other respects is not vitiated because the claim is made for more than the amount due, and a mistake in stating the amount due is unimportant as long as the mistake was made in good faith. In the absence of fraud the fact that a claim of lien places too high a value on materials furnished will not defeat the lien for a just amount. The amount of one's lien is not necessarily what he claims to be due but what is actually due and owing.

Section 1183 of the Civil Code of Procedure specifies that claimants "shall have a lien upon the property for the value of labor done and materials furnished." The statute does not say anything as to the contract price and the lien cannot exceed the reasonable value of the work and labor performed or the materials furnished regardless of the contract price. Where there is an attempt to hold property on a lien that belongs to one other than the party with whom the lien claimant made the contract, the property should not be required to stand a lien for more than the reasonable value of the materials furnished or the work and labor done regardless of the contract price.

Since the amendment of 1919, no statement of terms, time given or conditions of the contract or the price and when payable is required.

It is necessary that the claimant give the name of the owner or reputed owner, and when the name of the owner or reputed owner is not known to the claimant, the claimant may state the fact and perfect his lien without naming the owner. An honest mistake in the name does not invalidate the lien and if in good faith the claimant states the name of a reputed owner he does not lose his lien if he afterwards ascertains that some other person was the owner. "It is not the Legislative intention that the claimant shall state the name of the true owner at the risk of losing his lien if it turns out that he made an error." Corbett vs. Chambers 100 Cal. 178. A statement of lien not giving

This is the eighth of a series of articles on the Mechanics' Lien Law, prepared by Harry C. Westover, attorney, of Santa Ana. Other articles will be published from time to time.—Editor.

the name of the owner and not stating that it is unknown, is defective. Hooper vs. Flood 54 Cal. 218.

It is necessary for the claimant to make a general statement as to the kind of work done or materials furnished. A claim which states that it is for lumber furnished, sufficiently discloses the character and quality of the material. Germanie B. & L. Assn. vs. Wagner 61 Cal. 349. The claimant should state whether the material was lumber, brick, sash and doors, or steel, but it is unnecessary to describe the kind of lumber or the kind of sash and doors, or the kind of brick. Labor should be described as to whether it is carpentry labor, plastering labor, etc. The purpose of the lien is to give information and any information which will allow the owner to determine what kind of labor or materials were used or furnished is desirable.

It is important that the name of the person by whom claimant was employed or to whom he furnished materials be given. One of the fundamental rules for the establishment of a Mechanics' Lien is that there must be a valid contract with the lien claimant on which to predicate the lien. A lien claimant before being allowed to establish his claim must prove that he was employed to perform labor or to furnish materials on the property on which the lien is placed. One who goes upon property and does labor upon the property or furnishes materials to be used on the property without some agreement from some one in regard to the furnishing of materials or labor cannot establish a valid lien, inasmuch as there has been no contract on which to predicate the lien. Consequently it is very important that the lien must contain a statement showing the name of the person by whom the lien claimant was employed or to whom he furnished materials and unless the claim of lien contains such a statement it is defective. The requirement is intended to advise the owner whether the asserted debt is against him personally or whether the claimant looks to the original contractor and to the property. A claim for materials furnished must truly state the name of the person to whom the claimant furnished the materials and a false statement in this regard is more objectionable than if the claim had contained no statement. It is immaterial whether the owner purchased the materials in his own name or that of a firm of which he is a member and a claim stating that the claimant was employed by a corporation is not objectionable because not giving the name of the agent or officer who made the contract of employment.

The lien must give a description of the property sought to be charged sufficient for identification. The description is required to be only such as will be sufficient for identification and the same fullness and precision of description is not required as in the case of deed or judgment. A technical description is not necessary nor is it necessary that the description should be full or precise or that the boundaries of the property should be given. The test is whether the description given would enable a party

familiar with the locality to identify the premises intended with reasonable certainty to the exclusion of others. It is sufficient if the description identifies the property by referring to the facts, and is if it points clearly to a piece of property and there is no other which will answer the description. A claim describing the property as a mill in a given town and county is sufficient as a matter of description where it does not appear that there is any other mill at that place. It is not necessary to give a technical description, but lien claimants who fail to give a legal description of the property on which they wish to file a lien can certainly be criticized for not obtaining the proper description is playing with fire as the description may be so loosely drawn as it will not describe the premises in question. The best description obtainable is the description giving the lot, block and tract number.

When the claimant has met the above requirements in his lien then it must be signed and verified. The claim of liens should be signed by the claimant and it must be verified by the oath of claimant or some other person. It may be verified by the claimant's agent, attorney or manager. The purpose of the verification is not to prove the claim but to show good faith and prima facie to support the claim the purpose of giving notice. A claim of a corporation need not bear the corporation seal where it is verified by a duly authorized officer. Heiberling vs. Day 59 App. Cal. 13.

No mistake or error in the statement of the demand or of the credits and offsets allowed or of the balance asserted to be due to claimant, nor in a description of the property against which the claim of lien is filed shall invalidate the lien unless the court finds that such error in the statement was made with the intent to defraud or the court shall find that an innocent third party without notice direct or constructive has since the claim was filed become the bona fide owner of the property liened upon and that the notice of lien was so defective that it did not put the party upon further inquiry in any manner. C. C. P. 1203. In the absence of fraud and prejudice to an innocent third party a mistake or error in the claim does not invalidate the lien.

The court does not expressly authorize the amendment of the claim of lien hence the claim of lien is not capable of being amended. However, a new claim of lien may be filed within the time in which liens must be filed.

Suits to foreclose liens must rely upon the claim of lien and defects in the claim of lien may not be aided by the complaint. Madera Flume Co. vs. Kendall 120 Cal. 182.

FIR-TEX INSULATING BOARD PLANT OPENS JULY 1

Completion of the new \$1,500,000 plant of the Fir-Tex Insulating Board Company at St. Helen's, Ore., by July 1 is announced by Sherman M. Miles, San Francisco official of the company.

The new product will be placed on the market shortly following that date. The plant has an estimated capacity of 75,000,000 feet annually of insulating board and lath.

VALUATION OF BUILDING PERMITS IN 22 CITIES*

	First 4 Months, 1930	First 4 Months, 1929	April, 1930	March, 1930
New York City	\$128,193,189	\$613,682,400	\$ 39,431,400	\$36,232,000
Los Angeles	27,085,813	37,534,185	7,026,972	7,045,931
Philadelphia	22,612,690	39,675,645	10,342,475	6,864,490
Chicago	21,973,200	67,523,700	6,490,300	4,597,800
Cincinnati	17,629,127	10,055,790	4,914,689	6,267,980
Detroit	17,358,699	35,057,169	4,556,439	5,230,080
Baltimore	13,435,800	12,479,280	5,526,120	2,531,160
Seattle	12,573,005	15,004,505	2,112,920	2,615,810
Milwaukee	10,339,630	12,434,652	2,552,620	2,297,762
Cleveland	9,704,750	11,910,100	2,868,975	1,469,925
Boston	9,660,081	17,436,433	1,672,627	2,780,766
San Francisco	7,435,010	10,609,697	1,356,653	3,502,312
Pittsburgh	5,179,666	8,379,524	1,302,201	1,783,623
Houston	6,506,120	19,991,367	2,829,831	1,332,985
Kansas City	5,346,375	3,681,750	2,562,250	1,276,225
St. Louis	4,995,406	11,394,752	2,577,845	1,168,281
Atlanta	4,343,612	5,763,806	876,241	2,115,848
Buffalo	4,092,670	4,425,953	827,710	1,131,610
Minneapolis	3,179,030	10,229,910	1,247,495	824,655
Indianapolis	2,976,005	4,713,834	716,637	817,698
Dallas	2,955,422	4,350,415	1,034,935	795,645
New Orleans	1,631,548	5,965,306	283,683	847,062
Totals	\$339,206,798	\$962,300,173	\$163,111,018	\$93,528,999

*Compiled by F. W. Dodge Corp.

SACRAMENTO BUILDERS TRADES GO FIVE-DAY WEEK ON JUNE 2

Officials of Sacramento Builders' Exchange and the Sacramento Building Trades Council, representing contractors and workers, announce that a joint conference of both bodies had agreed upon a 5-day week for members of all building trade unions in Sacramento, effective June 2nd.

The trades council, composed of representatives of the workers, has accepted the agreement. The board of directors of the exchange is expected to act favorably on the agreement during the next week.

The announcement was made jointly by L. L. Patterson and M. F. Connors, secretaries of the exchange and trades council, respectively. They estimated that between 2,500 and 3,000 tradesmen, helpers and contractors would be affected by the proposal.

Patterson said he regarded it as practically certain that the board of directors of the contractors' organization would approve the agreement.

The proposal has been before both groups since early last Fall. Referred to a joint conference board, it has been the subject of numerous meetings at which various minor compromises were effected.

Patterson said the terms of the

agreement had been made sufficiently broad to permit the contractors to give the same type of service to the public on Saturdays as they are giving now.

Any emergency work such as plumbing, wiring, sewage, etc., will be handled without inconveniencing the public in any way.

"The contractor will be able to get the same amount of work done in five days as in six, if he is pressed for time, by adding more men to the job," Patterson said.

Connors explained that the move was favored by the unions as a means of giving a greater number of men employment. He said there has been an oversupply of building craftsmen in Sacramento for some time due to a slowing up in building activity and other conditions.

The agreement will not affect the existing daily wage scales for the men engaged in the various crafts. The practical effect of the plan will be to decrease the average weekly earnings of men regularly employed on a six-day week basis, this decrease going into the pockets of the additional workers employed who otherwise would be without work.

proposed building construction work. Every building project will be thoroughly investigated for the purpose of determining, before the job starts, whether or not it is properly financed. This information will be available to associations affiliated with the bureau. These associations will in turn present such information to their members. It is believed this service alone will prove invaluable inasmuch as it will enable each unit concerned to know exactly what the financial status of each job is at all times until completed.

The aims of the bureau are tersely stated under five headings: 1. To strengthen the mutuality of interest between the responsible buyer and seller. 2. To protect bona fide dealers' responsible customers, and the building public. 3. To bring about results ante-mortem—not post-mortem. 4. To enable the individual to avoid making mistakes of judgment in the extension of credit. 5. To reduce, in the interests of economy in the general business of distribution, losses suffered through non-payment of accounts, due to dishonesty or financial irresponsibility, and which necessarily become a part of the overhead cost of distributing.

The operation of the plan was begun when each member dealer reported to the bureau a complete list of accounts on his books, giving the name, address, the total amount due, the amounts 30 days, 60 days and 90 days past due, as well as all accounts more than 90 days past due. The exact status of each account in other respects, such as whether the account was in the hands of an attorney, was protected by lien, whether a judgment had been secured, or the respective firm was out of business, in bankruptcy, etc.

On the first day of each month each member dealer reports to the bureau a list of all material accounts on their books, showing the balance due on the first of the month. This report must be in the bureau not later than the 10th of the month. A ledger account is opened in the bureau for each account reported by the members. This ledger account will carry separate columns for each member reporting the account and will show a complete record of all sales and collections by each member.

All accounts are payable on the 10th of the month following delivery, and any account unpaid on the first of the third month following delivery will be placed on the cash list. The bureau will notify customers on the 15th of the second month following delivery, to pay the account prior to the first of the next month if they wish to retain their credit privileges. A composite list will be prepared on the 10th of each month, listing the names and addresses of all customers to whom credit is thus refused.

Another list, termed "extra hazardous," will be issued quarterly and will contain the names of individuals or concerns who have gone out of business, leaving behind unpaid debts, well known "dead beats" and other undesirable accounts. Accounts may be removed from this extra hazardous list only by a vote of the Board of Directors of the Bureau. Other reports to be prepared and circulated among members include daily remittance reports, which will disclose the changing status of customers, etc.

The report of each cash payment of a delinquent account is telephoned to all members.

Contested accounts and other controversial matters are referred to the bureau in written form for adjustment. Should the bureau's decision not be satisfactory to both parties, either may appeal to the Board of Directors.

COOPERATIVE CREDIT BUREAU IS PERFECTED IN CHICAGO

A credit stabilization program has been completed and is in operation in the building industry of Chicago, Ill., says the American Contractor. This latest credit unit is composed of building material supply dealers, functioning in cooperation with associations of general contractors, sub-contractors and other units of the industry. The program in operation is much like that functioning in Detroit, Minneapolis and certain other cities. It is based on a fact finding and information service which is augmented

by stringent disciplinary measures to be used in connection with obviously irresponsible units in the industry. At the same time every precaution appears to have been taken in the formation of the plan to safeguard the responsible element who temporarily may be forced to extend their credit beyond the average limitations.

The name of the new organization is The Material Dealers Credit Bureau. One of its important functions is to collect and disseminate information as to the financial structure of

THE OBSERVER

WHAT HE HEARS AND SEES ON HIS ROUNDS

Rents reached a peak in 1924, then gradually decreased until 1928 and since that time have remained at a steady level, according to a report released by the California Building-Loan League, based upon a study of the "Cost of Living in the United States, 1914-1929," just completed by the National Industrial Conference Board. Clothing prices have risen substantially, during the past fifteen years. Among other important items in the budget of the consumer is food, which advanced sharply up to 1920, since when the prices for this commodity have been below the general price level. Light and fuel were also at their highest in 1920 but have steadily decreased since.

Considering major items only, the cost of living is now higher than before the War, the League report states, but for the past several years is greatly below the record figures of 1920.

A great variance is revealed in the rise in the prices of sundries, according to the separate items involved. One-fifth of the entire budget of the wage earner's family is expended for sundries.

Household furnishings made the greatest increase in the laundry group. Tobacco prices sagged steadily since 1920, while drugs touched their peak in 1925 and have declined since. Calfare was 52% higher than in 1914 at the opening of the current year, which however, is below the general increase in the total cost of living.

Food prices, as a whole, are at the lowest price level during April and at the highest in November, with higher prices prevailing during the summer season.

Total cost of living has dropped to 61% above that of July, 1914, from 68% the California Building-Loan League survey points out. The decrease in total cost of living, which began late in 1925, is still continuing.

Evidence that the volume of legitimate contract construction, despite a decrease in gross dollar value for all building, is now greater than at the same time in either 1928 or 1929, is revealed in a statistical study just completed by the Associated General Contractors of America, which also shows that a new all-time high record was established in the total award of surface pavement contracts during the first three months of the year. The total of these awards increased 63 per cent over that of the first quarter of 1929, the study indicates.

Bearing out its earlier predictions that there is to be an exceptionally large volume of engineering construction this year, the association's analysis discloses that long term state and municipal bond issues for the first quarter ran well in advance of the same period last year, totaling \$106,000,000 for March and averaging \$36,700,000 monthly as compared with \$88,200,000 during the first quarter of the previous year.

According to E. J. Harding, assistant general manager of the Associated General Contractors, the effect of this public works acceleration is strikingly marked in the phenomenal increase in the total yardage covered in the pave-

ment contracts. During the first three months of 1930, contract awards were made for 27,200,000 square yards, as compared with 16,700,000 during the first quarter of 1929. With contemplated work in this field continuing to come forward, and with the increased highway program made possible by upward revision of federal aid appropriations, Mr. Harding states that engineering construction faces a banner year.

Although the first 14 weeks of the year show a decline in the total value of contracts awarded for the various classes of construction, this decrease is attributed wholly to the elimination of speculative building, which in turn is spurring legitimate construction to greater and sounder activity.

Mr. Harding points out that the net decrease in the grand total embraces a substantial decline in commercial building and a larger drop in residential building—the two fields in which speculative operations had been particularly rampant—whereas in the unspeculative field of all types of legitimate contract work a definite increase is indicated.

Sacramento building trades craftsmen, in voting for the five-day week, have taken a progressive stand duplicated as yet in only seven other American cities.

While the movement is spreading rapidly over the country, the short week has been wholly in effect in the seven cities and partially in 37 centers of population.

According to information collected by Paul Yates from the United States department of labor in Washington, more than 142,000 New York City building trades workers are on a five-day basis, with 24,282 in Boston, 23,470 in Cleveland, 21,050 in Chicago and 20,000 in San Francisco.

California cities wholly or partially on a five-day basis with respect to building trades include, San Francisco, Los Angeles, Long Beach, Fresno, Bakersfield, Newton, Oakland, Santa Barbara, San Jose, Salinas and Venice.

The national industrial conference board recently made public the results of a survey of the five-day week among American manufacturing concerns.

Its report showed that 270 establishments, employing an aggregate of 216,321 wage earners, were operating the full year on a five-day basis at the close of 1928.

More than 70 per cent of these companies, the report states, are obtaining a greater output under the new plan than they obtained under a five and one-half or six-day week. The summary of the report says in part:

This evidence removes the five-day week from the status of a radical and impracticable administrative experiment to place it among plans which, however revolutionary they may appear to some, have demonstrated both practicability and usefulness under certain circumstances.

The Ford Motor Car Company of Detroit is among the manufacturers employing the five-day week as a regular policy.

Bids for three schools to be erected under a recently authorized \$330,000 bond issue will be asked shortly by the Santa Cruz Board of Education. In asking bids for construction the board stresses the fact that local labor and supplies will be given every preference in the construction of the three new buildings. In each of the contracts for construction will be this clause:

"It is stipulated and agreed that no mechanic or workman shall be employed in the actual construction of this public school building who is not a citizen of the United States."

"It is further stipulated and agreed that preference shall be given the citizens and residents of the city of Santa Cruz in all cases where laborers or mechanics are employed on erection of this public school building."

"It is understood and agreed that no mechanic or laborer shall be allowed or required to perform work on this public school building at a less minimum compensation per day than the prevailing current labor rates now prevailing in the county of Santa Cruz."

"It is stipulated and agreed that, other things being equal, all materials shall be purchased in the city of Santa Cruz."

"It is stipulated and agreed that contractors shall take out their surety bonds through local agents."

California leads the entire United States in the production of electricity by public utility companies with water power.

She is second only to New York State in the total production of electricity by water and fuel power.

Figures just released by the Geological Survey for 1929 show California plants turned out a grand total of 8,849,624,000 kilowatt-hours. Of this, 6,366,804,000 kilowatt-hours were by water power and 2,482,818,000 kilowatt-hours by fuel power.

New York State's total production was 14,465,073,000 kilowatt-hours, of which 5,617,418,000 hours were by water power and 8,847,655,000 hours by fuel power.

In fuel power production of electricity the California plants used 2,158,596 barrels of oil and 26,914,327 thousand cubic feet of gas.

PIPE LINE CONSTRUCTION IS AUTHORIZED

Pacific Gas and Electric Company has been authorized by the State Railroad Commission to enter into an agreement with Standard Oil Company of California for the purpose of constructing a single natural gas transmission line from Kettleman Hills oil and gas fields in Fresno and Kings counties to the San Francisco Bay area, through a third corporation to be known as Standard-Pacific Gas Line, Inc. The Commission specified in its authorization that all of the natural gas transported by means of the aforesaid pipe line for the use of Pacific Gas and Electric Company, or other public utility, shall be distributed, allocated and disposed of in accordance with the orders of the Railroad Commission.

The proposed pipe line, which will take the place of pipe lines that were to have been built independently by Pacific Gas and Electric Company and Standard Oil Company of California at a total cost of \$15,000,000, will cost approximately \$9,000,000, and will have a daily delivery capacity of 138,000,000 cubic feet of gas per day without compression, or 180,000,000 cubic feet per day, with compression, or approximately the same as the capacity of the two pipe lines).

ALONG THE LINE

E. A. Neumarkel, architect, formerly located at 544 Market St. has moved to larger quarters at 340 Kearny St., San Francisco.

Oliver W. Britt, general contractor, 57, a native of Ohio, died at his country place in Felton, Santa Cruz County, last Thursday. Mr. Britt had been in poor health for the past several months.

Neil M. Cecil of Modesto, and Geo. D. Macomber of Oakdale, will be candidates for the office of county surveyor of Stanislaus County at the August primaries. J. H. Hoskins, incumbent, will seek re-election to the office.

James F. Collins, state director of professional and vocational standards, will address members of the Builders' Exchange of Santa Clara County and the interested public at the Chamber of Commerce Hall, San Jose, next Monday evening. Director Collins will tell of the purpose of the law and what it has accomplished since adoption.

Roy A. Watkins, city manager of Pittsburg, Contra Costa County, has submitted his resignation to the city council. Watkins has been city manager of Pittsburg since 1904 and gives ill health as his reason for giving up the position. He plans to take treatments at the Mayo Clinic in Rochester, Minn.

James S. James, former city engineer of Burlingame, has announced his candidacy for the office of county surveyor of San Mateo County to oppose George A. Kneese, incumbent. The election will be held in August.

James has been a resident of San Mateo County for more than seven years having come from Colorado where he was county engineer of San Miguel County for two terms and city engineer of Telluride, Colo., for six years. He has served as city engineer of Burlingame for five years and has practiced civil engineering since 1906.

KAWNEER TAKES OVER ADELBERT COLMAN METAL WORKS

Further expansion of The Kawneer Company is announced by President Francis J. Plym, with the purchase of the Adelbert Coleman Architectural Metal Works Company of Chicago, formerly known as the Chicago Ornamental Iron Works. This is the second recent acquisition of important allied companies by Kawneer, the Zouri Drawn Metals Company having been acquired last month.

Assets, name and good will were included in the purchase for a cash consideration which is not stated. The Kawneer Company does not contemplate any additional financing in the transaction, according to the announcement.

"The purchase of the Coleman plant, which manufactures architectural metal work, including cast bronze, aluminum, nickel silver and iron, used for building purposes, will considerably enlarge the operations of The Kawneer Company in cast architectural materials," stated Mr. Plym in announcing the purchase. "The Adelbert Coleman Company will operate under its own charter as a division of The Kawneer Company. Benjamin R. Coleman, the former president, will remain with the corporation."

TRADE NOTES

Economic and mechanical advantages of the Fuller Leigh mills, both of the air and screen separation type, are given in a new 4-page circular issued by the Fuller Leigh Co., Fullerton, Pa.

Sunkist Lumber Company, operating throughout Southern California, has purchased the business and property of the Charles R. McCormick Lumber Co. at San Bernardino; also at Riverside and Oceanside. The McCormick yards in these cities will be operated under the name of the San Bernardino Lumber Company with Alvin D. White, former executive of the McCormick company, as manager.

The Celotex Company (New York) reports net profit of \$227,955 for the six months ended April 30, against \$370,338 for the same period of the preceding year. This was equivalent to 19 cents a share on 221,208 shares of common stock compared with \$1.03 on 178,033 shares in the prior interval. In the quarter ended April 30 net profit was \$467,293, or \$1.69 a share, against \$416,000, or \$1.31 in the first three months of 1929.

The White & Friant Lumber Company, organized in 1885, has filed a certified copy of its articles of incorporation at Sonora, Calif. All of the capital stock of the corporation, amounting to \$250,000, with shares at \$100 each, has been subscribed, according to the document. The owners of stock and the amount of the holdings of each follow: T. Stewart White, John Ruger and Thomas Friant, 620 shares each; Francis Lettellier and Monroe Miller, 310 shares each, and Hugh M. Boyer and Samuel H. Sweet, 10 shares each. The company's principal office is in Chicago.

Kern Rock Company of Bakersfield has been incorporated. Directors are C. W. Hartman, J. T. Carnahan and W. E. Roe, all of Bakersfield. The company will operate a rock quarry, haul and sell dirt and clay as well as conducting a general building material business.

E. R. De Graf, Portland, Ore., manager of the paint department of the Paraffine Companies, Inc., has resigned to become vice-president and general manager of the Southern Asbestos and Magnesite Corporation, with headquarters in Los Angeles. L. K. Bishop has been named manager of the Paraffine paint department.

CEMENT PRODUCTION DECLINES, SURVEY REVEALS

The ratio of operations to capacity of American Portland cement mills continues to be under that of a year ago, as indicated by the figures for the 12 months' period ending April 30. According to statistics released by the Bureau of Mines of the Department of Commerce, the ratio of operations to capacity for the last 12 months was 66.0 per cent. The ratio percentage for 12 months' period ending April 30, 1929, was 71.1 per cent. During the month 13,521,600 barrels were produced. 13,357,000 barrels were shipped, and stocks on hand at the end of the month were 30,637,000 barrels. Production in April, 1930, was 1.7 per cent less and shipments 0.5 per cent more than April, 1929. Stocks at the mills were 1.8 per cent more than a year ago.

HERE — THERE — EVERYWHERE

A decided difference in building razing bids was revealed in connection with the demolishing of the old Florence School Building in Northampton, Mass., recently when one contractor wanted \$12,000 to do the job. Another agreed to pay the city \$25 for the privilege of wrecking the structure. He was awarded the contract.

Recently the Court of Claims of the National Treasury Department handed down a decision in the case of Stafford Owners v. United States, which held that a co-operative apartment corporation was not a business carried on for profit within the meaning of the capital stock provisions of the 1921 and 1924 revenue acts.

Claude Hickman of San Pedro was elected president of the California State Master Plumbers' Association at the annual election of officers held in Sacramento. Jack Young of San Francisco was named vice-president; J. H. Hawley of Sacramento, treasurer, and C. R. Hutton of Los Angeles, secretary. Those named to the Board of Directors are: Hickman, Young, Thomas H. Hogan of Los Angeles, and R. W. Timmons of Richmond.

Advices from Portland, Ore. are that with upwards of 200,000,000 ft. of logs in the Columbia river the logging camps will be closed down for the summer vacation a month earlier than usual. Reports also indicate many mills in the northwest will eliminate their night shifts and will work only 5 days a week.

ON BRIDGE PROJECT

Bids will be considered by the Washington State Highway Commission on June 24 for the steel superstructure of the \$4,500,000 Aurora Avenue bridge. The project will involve 6,900,000 pounds of carbon structural steel; 3,100,000 pounds of silicon structural steel; 480,000 pounds of castings; 1,000,000 pounds of reinforcing steel; 4220 lineal feet of metal railing and other miscellaneous items.

This is one of the largest single contracts to be awarded on this job and involves approximately \$1,500,000.

Bids were called recently for construction of the north and south approach piers and two concrete girder piers. These will be received until June 3.

CELOTEX WINS POINT IN RECEIVER SUIT

Application for a receiver for the Celotex Company was dismissed by the Chancery Court at Wilmington, Del., May 16. The motion for dismissal of the application was made by counsel for David Adler, who recently filed a receivership bill against the company. Counsel for Adler and the company are to agree on an early date for a hearing on the application for a permanent receiver, which still remains to be disposed of.

Counsel for the Celotex Company wanted an immediate hearing on the merits of the entire case, but the court said that under the rules it would have to grant the motion for dismissal of the application for a receiver pendente lite.

TRADE LITERATURE

A new and complete 56-page catalog describing all products of the J. D. Adams Co., Indianapolis, Ind., has been issued by that company.

A new edition of bulletin 850 of the Chicago Pneumatic Tool Co., New York City, is devoted to the one-man self-rotating hand hammer drill and accessories.

Specifications and uses of the United crawler tractor are given in 8-page circular issued by the United Tractor & Equipment Corp., Milwaukee, Wis.

General Wheelbarrow Co., Cleveland, Ohio, has issued a folder briefly describing equipment for highway maintenance, including the Planestainer, rotary scraper, road drag, backfiller, plows and scrapers.

Reliance induction motors with ball bearings for two- and three-phase alternating-current circuits are described in bulletin 106, issued by the Reliance Electric & Engineering Co., Cleveland, Ohio.

Pump Guide No. 12, issued by the Chicago Pump Co., Chicago, Ill., contains 48 pages of data to aid in the selection of pumps for different services. A number of miscellaneous tables giving useful information on pump design are included.

Physical and chemical characteristics of stainless iron and steel alloys, particularly those containing chromium, are dealt with in considerable detail in a 21-page booklet "Corrosion Resistant Alloys in General Fabrication," by T. H. Nelson, published by the Dowtown Iron Works, Dowtown, Pa.

A complete handbook of metal lath and accessories, containing specifications and technical data following the standard practice of lathing and plastering associations and the standard specifications of both the Associated Metal Lath Manufacturers and the American Specifications Institute, has been published by the Genfire Steel Co., Youngstown, Ohio.

Recent publications of the Caterpillar Tractor Co., San Leandro, include bulletins devoted to blade graders, elevating graders, maintenance machines and a condensed catalog of the entire Caterpillar road machinery line (formerly known as the Russell). Separate bulletins describe two new pieces of equipment, a road planer and a trailer patrol.

An analysis of the cost elements of motor truck operation, together with charts, showing the average cost of haulage under different conditions, records from the experience of large trucking companies and a series of forms used in cost keeping are included in an interesting book, "Trucking Costs—How to Lower Them," by L. A. Graham, vice-president of Relay Motors Corp., Lima, Ohio, now being distributed by this company. Text matter is extremely simple, most of the information being presented in the form of graphs, illustrations and actual records.

SUB-CONTRACTORS ORGANIZE TO HALT UNFAIR TRADE PRACTICES

The Sub-Contractors Council of the Orange County Builders' Exchange, with headquarters at Santa Ana has been organized, it is announced by Frederic W. Sanford, exchange secretary-manager.

The council is composed of one member of each craft in addition to sub-contractors and material dealers. The purpose of the council is to create a better understanding between the general contractors and sub-contractors and to eliminate, as far as is possible, the several disastrous trade practices in the construction industry that have been in evidence so much in the last few years.

The following code of ethics has been adopted by the council:

(1). Sub-contractors may furnish to architects and general contractors unit prices and preliminary informal estimates of the cost of a proposed building, or part thereof, but approximates on a quantity basis in detail should be adequately paid for, particularly if in competition, and if there is a real doubt of the job going ahead.

(2). Sub-contractors should refuse to bid or estimate unless complete, clear and accurate plans and specifications and reasonable complete details are furnished in order to obtain intelligent, accurate, responsible and non-jeopardizing bids.

(3). The number of sets of plans and specifications provided by the Architect, or Engineer, or General Contractor, should be sufficient for the use of sub-contractors.

(4). Sufficient time for careful preparations of bids should be allowed all sub-contractors.

(5). Sub-contractors should insist that the proposed contract form be definitely decided before bids are called for; and a copy of such proposed contract form, and the basis of payments should be furnished in the call for bids.

(6). The new A. I. A. Joint Conference standard building contract forms are recommended, and if any other conditions will be required of the successful bidder this information should be furnished all bidders alike in the call for bids.

(7). If the sub-contractor is to be required to assist in financing the improvement this information should be clearly stated in the call for bids.

(8). When time is the essence of a contract the time limit should be set by the Architect or General Contractor, in order that all sub-contractors may bid on an equal basis.

(9). Cost of a bond (if required) should be included within the final price, and be definitely stated in the call for bids.

(10). Sub-contractors recommend that special bid forms be furnished for each job; and that no bid should be made which does not follow this form; and that the call for bids might be combined with the bid form. Sub-contractors should not submit voluntary bids after the time set by the General Contractor for receiving sub-bids on that portion of the work.

(11). Only those sub-contractors should be invited, or permitted to bid to whom the owner, general contractor and architect are willing to award the contract. No complimentary bids should be allowed.

(12). Only a limited number of sub-contractors should be asked to compete, preferably six to eight in number, of substantially equal ability and sufficient experience, financial standing, organization and plant equipment

and only those firms who conduct themselves along ethical lines.

(13). Sub-contractors should discourage requests for unit prices, alternate estimates and secondary estimates when making final bids.

(14). Sub-contractors should insist that general bids should be opened in the presence of bidders who care to attend, notice of time and place of opening having been furnished in the call for bids; these bids to be placed on file.

(15). With bids invited as above, the work should be awarded to the lowest bidder unless other considerations than price are to enter into the award, in which case the fact should be made clear in the call for bids.

(16). No sub-contractors will directly or indirectly seek to obtain any information from an architect, or general contractor, or owner, of the bid or prices, or estimates of any other sub-contractor in his line of work, until after sub-contract has been awarded.

(17). No sub-contractor will make or submit more than one bid upon any job, unless said work is submitted for further bidding because of any changes made by the architect, or general contractor, and new bids are asked for from all sub-contractors. Each sub-contractor shall have the right to withdraw his bid in case of error or oversight; provided, however, that withdrawal is made before the bid is used.

(18). Sub-contractors should not make an estimate, or accept any contract from any architect, general contractor, or owner, who is not conducting his business in accordance with the procedure set forth by this Committee.

(19). The practice of peddling bids in whatever guise, or form, is condemned without reserve by sub-contractors, and no ethical sub-contractor will participate directly or indirectly, nor seek to take advantage, directly or indirectly, in any manner, in such practice, and no sub-contractor, general contractor, architect, or owner, who knowingly indulges in or continues to be deemed to be reputable or responsible.

(20). No sub-contractor should rely upon the practice of "bid peddling" for his financial backing upon material dealers but will depend upon his own financial resources, or upon the accredited sources of financial assistance, i.e., banks, mortgage companies and legitimate money lenders.

(21). Any bid submitted by a sub-contractor should be deemed to cover the cost of the complete job, unless supplemented by a written statement to the contrary at the time the bid is submitted.

(22). Whenever sub-contractors are required to furnish a surety bond for their portion of the work or contract, they should furnish surety bond from the list of responsible surety companies.

(23). Sub-contractors should insist that the General Contractor shall make payments promptly in accordance with the terms of the contract.

(24). Every sub-contractor will to the best of his ability endeavor to protect and preserve the rights, work, material, tools, and property of others working upon the same improvement or building; and will be responsible for any willful or needless waste, destruction or damage to the work, materials, or tools, of others committed by his employees, or those under his charge.

**U. OF S. C. STUDENTS TO
FEATURE ARCHITECTURE**

The entire second floor of the State Building in Exposition Park, Los Angeles, is to be devoted to a display of the work of students in the School of Architecture of the University of Southern California from April 2nd to June 1st.

In addition to building plans and designs, there will be freehand drawings, mural paintings, stained glass designs, watercolor sketches, statuary, bas-reliefs, sketches of interior arrangements, ornamental iron work designs, friezes, and figurines clothed by co-eds to illustrate period costumes.

The same work will constitute a campus exhibit in Architecture Building of the University of Southern California during the Semi-Centennial celebration of the Trojan University, May 29 to June 7th. Other unique and significant exhibits to be featured in the Golden Anniversary program include scientific laboratory work, charts showing legal clinic work, a music exhibit, physical education demonstrations, and a relief map of the prospective permanent campus of S. C., as well as comparative relief maps showing the growth of the present campus since 1830, when the University of Southern California was founded.

**N. Y. LIEN LAW HAILED AS AID
TO BUILDING**

A new law just signed by Governor Roosevelt of New York is expected to have a considerable effect in the placing of the operations of contractors on a sound and business-like basis. The law provides that all moneys obtained pursuant to a loan mortgage during the process of construction and four months prior to the completion thereof shall constitute trust funds, and shall be held by the owner subject to the expenses for the cost of the improvement. The law is to go into effect October 1.

The law provides not only that all moneys received during the stated period shall be held in trust for the builder, but that money derived from any mortgage recorded during the same period shall be under the same ruling.

Under the statute the definition of the cost of improvement includes sums paid to contractors, architects, engineers, surveyors, sub-contractors, laborers and material men.

The significant difference between the present law and the 1929 one is that the former infractions of the rights of the contractors which were misdemeanors in 1929, triable before a magistrate, are defined as larceny by the present law. Misuse of the moneys either by contractor or by owner, is a crime subject to indictment and to trial by jury.

The commission which is responsible for the present law has been continued for another year.

GLIDDEN REFINANCING

The Glidden Company, Ohio, manufacturers of paints and varnishes, is engaged in new financing to retire bank debts made in increasing plant facilities and for additional working capital.

In this connection, Bancamerica-Blair Corporation is expected to announce the offering of \$6,000,000 of the company's 5-year 5½ per cent gold notes at a slight discount within a few days.

The notes are to be dated June 1, 1930; they mature June 1, 1935.

**"SAFETY COMPETITION" BOOK.
LET IS ISSUED**

Methods of stimulating employee interest in safety by developing the spirit of friendly competition or the desire to excel are presented in a report entitled "Safety Competition," published by the Policyholders Service Bureau of the Metropolitan Life Insurance Company.

This publication is the seventh of a series of industrial safety leaflets, based on a study of the field of safety engineering and outlining effective methods of applying the principles governing successful accident prevention work.

"Safety Competition" emphasizes the need for arousing interest in safe practices among employees and presents methods of planning and organizing inter-departmental contests which will serve as incentives for safe workmanship.

A copy of this study and the six previous leaflets in the series may be had upon application to the Policyholders Service Bureau, Metropolitan Life Insurance Company, New York City.

**L. A. TO INVESTIGATE EVILS OF
ASSESSMENTS**

At request of Mayor Porter, Council President Sanborn of Los Angeles, has named the committee which is expected to make a study of the assessment evil question in Los Angeles during the next few weeks, and to suggest changes to stop over-lapping assessments, and other evils due to public improvement projects. He named the mayor, City Engineer J. J. Jessup, City Attorney Erwin P. Werner, Efficiency Director Roy Knox, Zoning Engineer Thomas Coombs, and Councilmen Webster, Burns, Spoke, Davis and Randall. The council voted Sanborn to the committee membership as the 11th member.

**RUSSIAN COMPETITION WEAK-
ENS SWEDISH LUMBER
MARKET**

Russian competition and slow British buying weakened the Swedish lumber market somewhat during the spring 1930, according to recent advice from T. O. Klath, Commercial Attaché at Stockholm, to the Lumber Division of the Department of Commerce.

The exports of lumber during 1930 are expected to be about 15 per cent below that of 1929,—2,400,000,000 board feet. Advance sales for the first three months of 1930 were estimated at 900,000,000 compared to 1,135,000,000 board feet for the same period of 1929.

SURETIES MAKE REFUND

The five surety companies which wrote the \$120,000 bond for the contractors on the San Gabriel dam will refund \$150,670 out of the \$240,000 premium paid upon it. Their offer has been accepted by the Los Angeles county supervisors who furnished the bond for the contractors. The project was recently abandoned because a safe foundation could not be obtained at the Forks site.

INCORPORATES

Capitalized at \$200,000, an Oakland firm, Home Builders, Inc., Ltd., had filed articles of incorporation with the Secretary of State Frank C. Jordan. Directors named by the organization, which will engage in a general real estate business, are William H. Sims, Frances Sims and Howard F. Sims, all of Oakland.

PATRONIZE HOME INDUSTRY

Organized to encourage the buying of home products, 100 Sacramento business men have formed the Sacramento Payroll Builders, Mark L. Burns, Sacramento attorney, has been elected president; H. S. Parmelee, North Sacramento grocer, vice-president, and R. D. McFarland, Sacramento publisher, secretary. Members joining the organization promise "to give preference in my purchases whenever practical to Sacramento-made products."

**TECHNICAL ENGINEERS HOLD
DINNER DANCE**

Members of Sacramento Chapter No. 47 of Technical Engineers held a dinner and dancing party May 14 at the Alhambra Ranch, attended by thirty persons. Among those participating in the affair were: Messrs. and Mesdames W. O. Castello, Charles Deterding, G. W. Endicott, Fred Frieske, C. E. Hawthorne, Ed Hook, P. E. Jones, I. B. Mattson, J. L. R. Marsh, J. J. Rooney, D. B. Smith and E. E. Welch; Messrs. D. R. Cade and J. G. Kennedy; Mrs. Kathryn Date and Miss Mayme G. Kennedy.

**BUSINESS FAILURES SHOWING
RECESSION**

Business failures for the week as reported to R. G. Dunn & Co. totaled 517, as compared with 525 for the previous week.

The figures, however, show an increase of 42 over the 475 defaults a year ago.

Defaults of firms with liabilities of more than \$5,000 rose to 327, from 311 reported last week.

The California Railroad Commission is sending its transportation engineer, Joseph C. Hunter, east to attend the Hoover National Conference on Highway Safety, to be held in Washington, D. C., May 27, and the Eighth Annual Conference of State Utility Commission Engineers, to be held in Washington, D. C. June 5 and 6 next.

In addition to attending these conferences, Mr. Hunter will make a special study of the street transportation systems in a number of the eastern cities, as well as the various methods of protecting grade crossings throughout the country.

Just at this time there is considerable public interest being taken in devising means of reducing hazards at grade crossings. There have recently been developed a number of new automatic signal devices in the way of flashing lights, both incandescent and neon; second train indicators; various types of signals embodying both banner and flashing light indicators; automatic crossings gates and many types of highway markings. These devices are being presented to reduce the number of accidents at the many crossings where grade separations cannot be financed for the present.

California, like the other states, has its grade crossing problem in an acute form since we have a very high use of the automobile in this state, together with many improved highways which are open throughout the entire year and the present day tendency to increase rates of speed of both vehicular and train movements.

The grade crossing problem is one of the important matters to be discussed at the National Conference on Highway Safety and the California Railroad Commission, in line with its established policy, desires to contribute all possible to the solution of this problem.

REMOVE SHACKLES OF TRADITION WITH "MODERN DESIGN"—ARCHITECT

By SAM T. DE REMER*

*Architect of Grand Forks, N. D. Excerpts from an address on "Modern Design" delivered at the annual meeting of the Grand Forks Builders' and Traders' Exchange. Mr. De Remer is associated with his father, Joseph Bell De Remer, president of the North Dakota Association of Architects, in the practice of architecture at Grand Forks. Joseph Bell De Remer practiced architecture in Los Angeles for a number of years.

Contrary to the general opinion, modern design, or contemporary architecture, did not just recently come into being. It has been in the process of development some twenty years or more. True, it has just reached the zenith of perfection and is more or less generally accepted as being the modern style. When we speak of modern we don't mean that it is simply a passing fancy; it has taken too long in its inception. In any field of endeavor you will find individuals or parties devoting their efforts to the development of their interpretation of enlightenment as they see it. In religion, politics, government, et cetera, you will find liberals and extremists. Thus it is you will find these same groups in design.

It is here that I wish to point out the difference in modern and modernistic design. In my opinion, the modernistic is the extremist interpretation, and being extreme, will be short lived, as the futuristic, cubistic and impressionistic styles in the field of art have been. It may be that the modernistic is an outgrowth of these types; it would appear to me that it is not the case, but rather that it is an outcropping of the extremist views over the modern, caused by the spirit of unrest which always comes into existence after a great crisis, such as the late war.

The interesting feature about this modern architecture is that it is international and not purely American, as is quite generally believed. It seems to have broken out throughout Europe as well as on this continent.

An American Idea

Some twenty years ago, an American architect, having won world-wide reputation, started something different in the way of architecture. Working with concrete as a medium, he proceeded to embellish the structural members of his buildings simply by making them more conspicuous and massive. The teachings of the old school which had become more or less orthodox were thrown aside. This could hardly be called extreme in the sense as we know it today, but enough different so that it was too much of a shock for this country. He went abroad, thinking if he could get his ideas approved by foreign peoples that he then could return to this country and sell them here, knowing that anything however remotely associated with art, would have to have the foreign stamp of approval before it would be accepted in America.

His style was bold truth, being a series of etagiers as the French call it, or receding shelves, vertical lines being broken by the use of horizontal planes, all projections being at right angles to vertical planes. The cornice was not yet thrown into the discard. That was to come later. But his handling of it was different, simply pushing out a flat slab the two or three feet that was necessary and ornamenting it with a fine low relief.

But the eggs and darts were gone, the medallions were also missing, the

architecture and entablature were thrown in the ash can. Horrors, the old masters would turn in their graves, sacreligious cried some, and others that the hallowed past was profaned with incongruities, and so it went.

Europe Take Kindly To It

Later, Europe along with the rest of the civilized world, turned out to be not so civilized, and things were thrown in chaos, and in order that this great wrong might be righted the heads of the various governments decided to annihilate everybody living within the three-mile limit of this terrestrial sphere, who didn't have a government job—for they would be needed to draft more laws. And they were nearly successful in this undertaking. After every great war there is a period of reconstruction and readjustment. People try to shake off the shackles of tradition with which they have been bound. There is no question but what our modern architecture experienced its growing pains at this time of rehabilitation. Artists and architects were quick to grasp the opportunity and the people willing to accept. Naturally out of a melee such as this there would come bad with the good, but the big thing is that it was not all bad.

The people were dissatisfied and in quite a number of the European countries were revolting, revolting against the government which got them into this debacle. People fighting for freedom of expression, fighting against imperialistic governments, fighting for anything different than it was before.

With Europe well started on this new era, America was soon to follow. France, Germany, Austria, Holland, Denmark, Finland and the Scandinavian countries, I believe, are still ahead of us, with the exception of our skyscrapers, which are incomparable. That is, some of them are incomparable, and some are just as bad as it's possible to build them, big, cumbersome, ill-proportioned masses of junk, wherein the brick can't even get along with each other.

Along with the spirit of freedom felt after the war, architects were further encouraged to break away from the old school by the development in the manufacture of new building materials. Architects' offices today are continuously flooded with literature and samples of new materials being developed so fast that were one to become thoroughly acquainted with them all, he would have time for nothing else.

Modern vs. Classic

I have spoken as if this new freedom has been accepted wholeheartedly and unanimously by members of the architectural profession. That is not the case. There is still much discussion. The dyed-in-the-wool conservatives who are schooled after the Roman classics, are not prone to accept this new type.

The more liberal and broad visioned are satisfied by answering their arguments by saying that the old styles are not in harmony with our present-day mode of living. For architecture is, after all, a reflection of our mode of living. Why should we wrap up our buildings, whose plans function of necessity, with our present day activities which dif-

fer radically from those of centuries ago in an exterior resembling a Roman basilica when the building it to function as the New York Stock Exchange? Why top off a shaft of some twenty or more stories with a faithful copy of a Greek temple when on the inside in place of ancient Greeks in flowing robes and sandals, we find a modern broadcasting studio where every hour of the day they are announcing between saxophone solos and bed-time stories, the instantaneous relief awaiting your tired, aching feet if you will use save?

Influences of a New Age

In the nineteenth century any number of attempts were made for just this sort of freedom, but were short lived. Particularly after the Napoleonic wars this was true, and now some of our veterans of the old academy are citing these cases as proof that our modern style will likewise be of short duration. But what reason outside of a few dissatisfied souls was there for these earlier attempts to be long lived. There had been no radical change, either in an industrial way or in their habits of living.

Facts alter cases. There is no getting around the fact that we are living different lives, in a different atmosphere, than we were even twenty years ago. In fact, the whole order of things has been accelerated, economic, industrial, social and even our modes of worship. A few years ago, if one trespassed one bit from the accepted arrangement of church planning he had committed a gross sacrilege. The transept and nave were as necessary as the roof, and the whole adorned with Gothic tracery, vaulted ceilings, groined and pointed arches. Today our method of worship is not individual but group, and in the main large groups. On restricted sites, and there are few which are not restricted, with a large congregation to seat at one time, the former type is impossible for many reasons, among them the acoustical conditions are impossible. Also, it is necessary to have unobstructed vision. True, the cathedral type has been accepted for so long, that the building itself seems to inspire a spirit of reverence, but might not some other type suitable to our present-day needs be successful in like manner.

New Style Defined

After all this talk in favor of this new freedom, just what is our contemporary style? In as clear a conception as I can give, one who welcomes the opportunity of working in it, I would describe it as being a frank expression of unhampered individuality. One works with solids and voids, making no attempt to masquerade the structural features, on the contrary making the structural features function both for strength and beauty, abandoning the use of supercilious ornamentation in the shape of heavy cornices, belt courses and innumerable other jig saw embellishments scattered about over an unsuspecting facade as if from a salt and pepper shaker.

To make the picture complete it must have life. This is obtained by the use of very carefully selected materials, of which there is a wealth at hand, and this in turn painted, in the daytime by sunlight and shadow playing over the elevation and at night by appropriately colored flood lights.

A very important feature in the development of this new type and which is wholly American, is the set-

back which is the result of recent zoning laws in our larger cities. This was originally conceived not to enhance the beauty of our modern skyscraper, but as a means of enabling the sunlight to reach the depths of the brick canyons of which the busy thoroughfares of the large cities remind us. This set-back has been found very useful in problems of design and as a consequence is being used not only on the skyscraper, but on lesser buildings as well. Great care must, however, be exercised where the setback is to be used on smaller buildings, for one does not have the masses in the same proportion as on the larger or tower type and thus the set-back instead of being a thing of beauty becomes an ill conceived monstrosity.

Here is a graphic example of how the development of new building materials show their effect upon the design of buildings: in New York there is to be built a new sixty-story skyscraper—the Palais de France, it will be called. It is being financed by the French government at a cost of approximately fifty million dollars. It will house the French embassy along with the arts and science allied with that nation. Irvin S. Channin, head of the Channin Construction Company, has just returned from France, and is quoted as saying that owing to the discovery of a new type of glass, which is made in either plate form or brick form, the upper seven stories of this building will probably be built of glass. This glass has not been on the market long enough to have reached standardization and mass production, so that there is little danger of the brick masons having to look for a new vocation as yet, but it bids fair to establishing the glass setter on an equal basis with the major crafts. It is the intention on the new Palais de France building to crystalize the face of this glass to reflect the sunlight rays like jewels. Imagine the beauty of this huge seven-story jewel, sixty stories above the sidewalk, and imagine the beauty at night, when it will be illuminated by thousands of many-colored lights. And imagine, too, what the tariff will be on a suite of offices in this quartz palace.

Height Limit for Skyscrapers

While we are speaking of sixty-story buildings let me get off my subject of design for a minute. How high are these skyscrapers likely to go? That is a subject of much debate at the present time. It seems that there are no physical limits. One hundred stories are already being talked of, and engineers would jump at the chance of a two hundred-story job. But there are limitations of other kinds, and as important as the physical. For example, here is an economic limit. Experts have studied with great diligence for years on what the economic height limit will be. It has been found that on a \$200-a-foot square-foot site that the sixty-third story reaches the maximum economic return, while on a \$400-a-foot site, seventy-five stories have been found to be most economical. There are other difficulties confronting the prospective builders of skyscrapers — heating, sanitation, wiring, corridors, stairways, elevators. The handling of vertical traffic is a big problem. The speed of elevators will have to be increased from 300 feet per minute which is the present legal speed limit to the more than 1500 feet per minute, and it is doubtful if the human ear drum can

stand the vibration in the enclosed cab at that rate of speed. Another thing which will give the elevator engineers something to think about is the tremendous weight and size of the cables in buildings approximately 2000 feet in height. Then, too, there is the dispatching of cars, both express and local, which will have to be double-deckers to handle the crowds, with the possibility of having to change from an express which operates between, say the first fifty stories, to a local running from the fiftieth floor to the seventieth in order to get off at the sixty-third.

Taking Care of Tenants

Another great problem will be to outline a schedule of routine agreeable to tenants and in mesh with the scheme of operating a smoothly running machine, which will have to synchronize perfectly. Think of the thousands of people tenanted in a building of 200 stories. A large city within itself. Then think of the additional thousands who will have to carry on business with the people having offices in this vertical city. Now, it would be a physical impossibility for all these people to come in or go out at the same time. Even if the stairs, corridors, and elevators would handle the crowds, there would not be room on the ground floor for entrances sufficient to pass this mob. It would be like pouring water out of a large bottle when turned upside down; it becomes air bound. This would necessitate streets at different levels from which those who would go to the ninety-second floor would enter on, say D level, and those going to the one hundred and tenth floor would find entrance on some other level.

If, on the other hand, all these people have to find entrance on the ground floor, then, as I said, a system of routine will have to be followed similar to this: Those in a certain part of the building, on floors approx-

imating the same levels, will have to be in their offices at seven in the morning, and will lunch at ten-thirty or eleven, those in another portion will go to work at eight and lunch at noon, and those in still another strata will start the day off with the bankers at nine o'clock, and lunch at one, and so on, ad infinitum. Now, maybe the tenants might not like this arrangement. The commuters, would I am sure, insist on a nine o'clock lease, inasmuch as they already have to rise an hour or so earlier than the urbanites, but just try to get a New Yorker in his office before nine. I am afraid that this would be more of a stumbling block than the engineering difficulties. It might be necessary to change the working hours of the day from nine in the morning to five for one shift and ten to six, and eleven to seven for succeeding relays.

Importance of Good Design

With a "paying height" pretty well established and engineering problems in competent hands, the remaining important factor is what part design or art has on the attractiveness to tenants of one building, in comparison with its competitor across the street or around the corner. Design does play an important part and its influence is bound to increase as competition among building owners increases.

People today are taking more interest in the things which surround them than ever before, in the history of the country, and will be no more content to work in drab business quarters than to live in poorly furnished and inartistic homes. It is certain that a prospective owner cannot hope to realize a maximum return on his investment, if he does not insist upon beautifully designed, well proportioned facades, pleasing to the eye of a well informed public, along with a well planned interior which functions.

GENERAL CONTRACTORS HELD RESPONSIBLE FOR WORK OF SUBS

Warning of the responsibility of the general contractor for the work of his subcontractors under the California state license law was given by James F. Collins, Registrar of Contractors, at the meeting of the California State Branch, Associated General Contractors, at Los Angeles. Mr. Collins stated he had found it necessary to make the ruling, in a case which came before him recently, that the general contractor is the owner's agent and that it is up to him to see that work which is sublet is done in conformity to his contract to deliver the job in accordance with plans and specifications. He stated it was important, therefore, that this ruling should be understood by all contractors.

In the particular case which brought out the ruling, the subcontractor who did the painting on a building used other materials than those called for in the specifications. This was not disclosed until after the work was completed, and upon learning of it the general contractor withheld payment to the subcontractor. No complaint was made as to the character of the work. The subcontractor stated that he had used the materials substituted, believing that he would produce as good if not a better job. When the general contractor asked for an adjustment the subcontractor refused to make any concession, but offered to give a bond guaranteeing the work for a certain period.

After hearing the statements of all the parties concerned, the Registrar refused to suspend or revoke the li-

cence of the subcontractor and the latter immediately tendered the general contractor a bond and demanded payment. This placed the general contractor in the position of having to shoulder the full responsibility, first in the matter of payment to the subcontractor, and, second, in answering to the owner under his contract.

The Registrar pointed out that the general contractor was to receive his money in five payments. However, his agreement with the subcontractor was for a lump sum on completion and acceptance of the painting on the job. It was the opinion of the Registrar that had similar payments been called for on the subcontract the general contractor would probably have discovered the deviation from the specifications before the work had proceeded far and would have demanded compliance with them. By allowing the work to proceed without protest the general contractor accepted the full responsibility.

In answer to questions the Registrar stated that approval of work by the architect on a job would not relieve the general contractor of his responsibility as agent of the owner for full compliance with his contract and that such approval would be no defense of failure on his part to deliver the job in strict accordance with plans and specifications. The owner can only look to the general contractor for the proper execution of work included in his contract, and it behooves the general contractor to see to it that all work sublet is faithfully performed.

Building News Section

APARTMENTS

Preparing Working Drawings.
APARTMENTS Cost, \$75,000
SAN FRANCISCO. SE Parker Ave.
and California St.
Three-story frame and stucco apart-
ments (18 2-3- and 4-room apts.)
Owner—H. O. and W. R. Lindemann,
619 27th Ave.
Plans by L. O. Ebbets, Hobart Bldg.

Preparing Working Drawings.
APARTMENTS, ETC. Cost, \$350,000
SAN FRANCISCO. Richmond District.
Twelve 2-story frame and stucco flats
and four 3-story and basement
frame and stucco apartments.
Owner represented by Alberton Real-
ty Co., 5498 Geary St.
Plans by L. O. Ebbets, Hobart Bldg.

Plans Being Completed.
APARTMENTS Cost, \$125,000
STOCKTON, San Joaquin Co., Calif.
N Hunter Street.
Three-story and basement frame and
stucco apts. (reinforced concrete
basement; 42 2- and 3-room apts.)
Owner—Owen Jones.
Architect—Glenn Allen, Union Block
Bldg., Stockton.

Preparing Preliminary Plans.
APARTMENTS Cost, \$24,000
SACRAMENTO, Sacramento Co., Cal.
18th St., bet. H. and O Sts.
Two-story frame and stucco apart-
ments (8 apts, 8 baths).
Owner—Alice E. Harrison, San Fran-
cisco.
Architect—Frederick S. Harrison, P.
O. Box 873, Sacramento.
Cast cement, Roman brick and Cali-
fornia stucco exterior finish, wood
frame, wood and California stucco in-
terior finish, Longlife rustic shingle
roof, wood, tile and oak flooring,
steam heating system and incinerator,
Standard Mfg. Co. plumbing goods,
Marshall & Stearns wall beds, tile
bath rooms, Kelvinator refrigeration.

Preparing Preliminary Plans.
APARTMENTS Cost, \$91,300
SACRAMENTO, Sacramento Co., Cal.
Four-story brick and concrete apart-
ments (36 apts and baths).
Owner—Withheld.
Architect—Frederick S. Harrison, P.
O. Box 873, Sacramento.

Klinker and common brick, Flemish
bond and cast cement ornament finish
wood, oak and tile floors, terra cotta,
tile and composition roofing, steam
heating system, Otis elevators, Stand-
ard Mfg. Co. plumbing, Marshall-
Stearns wall beds, mahogany and O.
P. interior finish, Kelvinator refrig-
eration.

Sub-Bids Being Taken.
APARTMENTS Cost Approx. \$100,000
VALLEJO, Solano Co., Cal. Capitol
Way.
Three-story reinforced concrete apart-
ments (21 2, 3 and 4-room apts.)
Owner and Builder—Dr F. Burton
Jones, 327 Georgia St., Vallejo.
Plans by W. A. Pentecost, 465 25th
St., Oakland.
Bids are being received by W. A.
Pentecost.

Preparing Working Drawings.
APARTMENTS Cost, \$200,000
BERKELEY, Alameda Co., Cal. Sac-
ramento St. and University Ave.
Three-story Class C brick apartments
(56 2, 3 and 4-room apts.)
Owner—Davis-Pearce Co., Grant and
Weber Sts., Stockton.
Architect—Davis-Pearce Co., Grant
and Weber Sts., Stockton.
Plans will be ready for bids in from
thirty to forty-five days.

Plans Being Revised.
ALTERATIONS Cost, \$40,000
SAN FRANCISCO. NW Bush St. and
Polk St.
Alter present apartments.
Owner—Estate of Louis Freidman.
Architect—S. Helman, 605 Market St.
New bids will be taken at a later
date.

Form, Concrete and Framing Bids
Wanted.
APARTMENTS Cost, \$650,000
SAN FRANCISCO. California St. and
Joice St.
Eight-story class A steel frame and
reinforced concrete apartments
(300 rooms).
Owner & Builder—Marian Realty Co.,
110 Sutter St.
Architect—H. C. Baumann, 251 Kear-
ny Street.
Bids are to be in on May 26. Plans
available from owner.

Contract Awarded.
APARTMENTS Cost, \$20,832
SAN FRANCISCO. N 21st Street E
Church St.
Three-story frame and stucco apts.
(9 apts.)
Owner—H. Tillman, 4344 Balboa St.
Architect—F. W. Dakin, 625 Market.
Contractor—A. R. Larson, 4020 24th
Street.
Plumbing, Heating and Electrical
Work—Frank J. Klimm, 456 Ellis
St., \$6,300.

Plans Being Prepared.
APARTMENTS Cost, \$25,000
MILBRAE HIGHLANDS, San Mateo
Co., Cal.
Two-story frame and stucco apart-
ments and store building.
Owner—Milbrae Highlands, Inc.
Architect—Chas. Strothoff, 2274 15th
St., San Francisco.

A Demonstration of the SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

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GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
Tools.

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1267

BONDS

WINTERS, Yolo Co., Cal.—Winters
Grammar School District votes bonds
of \$16,000 to finance erection of ad-
ditional classrooms and remodeling
of present school building.

FRESNO, Fresno Co., Cal.—Elec-
tion held in Bullard School District
to vote bonds of \$30,000 to finance
erection of additions to the present
school was defeated. Swartz & Ry-
land, Brix Bldg., Fresno; 373 Main St.,
Salinas, and Spazier Bldg., Monterey.

ONTARIO, San Bernardino Co.,
Cal.—Electors of the Chaffey Union
High School District defeated bond
issue of \$410,000 for construction of
Junior College plant and additions to
present High School buildings. Junior
College project was estimated to cost
\$210,000, and alterations and addi-
tions to existing school, \$200,000.
Allison & Allison, 1005 California Re-
serve Bldg., Los Angeles, architects.

REDWOOD CITY, San Mateo Co.,
Cal.—Until June 2 bids will be re-
ceived by county supervisors for pur-
chase of \$35,000 bond issue of the
Hillsborough Grammar School Dist.;
proceeds of the sale to finance school
improvements. Willis Polk Co., 277
Pine St., San Francisco, architects.

CHURCHES

Plans Complete.
ADDITION Cost approx. \$25,000
OAKLAND, Alameda Co., Calif. 26th
Street and Broadway.
Hollow tile addition to present church.
Owner—First Presbyterian Church.
(Rev. Frank Sillsley, pastor).
Architect—Jos. J. Rankin, 26 O'Far-
rell St., San Francisco.
Bids will be taken about June 1.

Contract Awarded.
TEMPLE Cost, \$—
STOCKTON, San Joaquin Co., Calif.
Willows and Madison Sts.
One-story brick Jewish Temple.
Owner—Temple Israel.
Architect—Glenn Allen, Union Block
Bldg., Stockton.
Contractor—L. S. Peletz, 1660 West
Acacia St., Stockton.

Contract Awarded.
ALTERATIONS Approx \$50,000
SAN FRANCISCO. Van Ness Ave.
and Broadway.
Alterations to exterior of church.
Owner—Roman Catholic Archbishop,
1100 Franklin St., San Francisco.
Architect—H. A. Minton, Bank of
Italy Bldg., San Francisco.
Contractor—G. E. Scully, Phelan
Bldg., San Francisco.
Sub-bids will be taken shortly.

Preparing Plans.
CHURCH Cost, \$40,000
SACRAMENTO, Sacramento Co., Cal.
Reinforced concrete church with tile
roof (auditorium and classrooms)
Owner—First Nazarene Church.
Architect—Frederick Gloege, C. W.
Dustin, Associated, Los Angeles.
Plans will be completed in four
weeks.

Plans Being Figured.
ALTERATIONS Cost, \$16,000
SANTA ROSA, Sonoma Co., Cal.
 Alterations and additions to present church building (erect social hall and general alterations).
 Owner—First Methodist Episcopal Church.
 Architect—Rollin S. Tuttle, Box C, Los Gatos.
 Mead Clark, E. A. Eymann and W. J. Meeker are on the building committee.

Plans Being Figured—Bids Close May 30, 4:30 P. M.
CHURCH Cost, \$40,000
OAKLAND, Alameda Co., Calif. St. James Road.
 One-story frame and stucco church (Spanish type).
 Owner—Corpus Christi Parish.
 Architect—W. E. Schirmer, 700 21st St., Oakland.

Factories and Warehouses

Plans Being Prepared.
FACTORY Cost, \$25,000
OAKLAND, Alameda Co., Cal. 46th and Telegraph Aves.
 Two-story reinforced concrete factory and warehouse.
 Owner—Margaret Burnham Candy Co. 3800 Piedmont Ave., Oakland.
 Private Plans.

May 22, 1930
 Plans Being Figured.
CREAMERY Cost, \$14,000
SAN MATEO, San Mateo Co., Calif. Bayshore Highway.
 Owner—Jersey Farm Creamery.
 Plans by Enri Cavasso, 235 3rd Ave., San Mateo.

Bids Opened.
WAREHOUSE Cost, \$60,000
WATSONVILLE, Santa Cruz Co., Cal.
 Two-story reinforced concrete warehouse and general offices.
 Owner—Espindolas, Inc.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
 Following is a complete list of bids:
 Lawrence Scudder and Co., 369 Pine St., San Francisco.....\$ 80,000
 M. J. Murphy, Monterey..... 83,421
 Fred. McCrary, Monterey..... 83,500
 The Minton Co., Mt. View..... 86,642
 D. T. Walstrum, Watsonville..... 87,370
 Wm. Radtke, Gilroy..... 87,788
 T. H. Rosewall, Watsonville..... 90,500
 J. H. Graham, Salinas..... 92,000
 C. E. Burts, Oakland..... 92,770
 J. T. Walsh Co., S. F..... 100,000
 Bids held under advisement.

Plans Being Figured.
WAREHOUSE Cost, \$30,000
SACRAMENTO, Sacramento Co., Cal. Tenth and R Streets.
 Two-story and basement concrete brick plant warehouse.
 Owner—W. P. Fuller & Co., 301 Mission St., San Francisco.
 Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento.

Contract Awarded.
LAUNDRY Cost, \$50,000
 (including equipment)
MARTINEZ, Contra Costa Co., Cal.
 One-story steel frame and brick laundry.
 Owner—Martinez Steam Laundry, 709 Howard St., Martinez.
 Plans by A. L. Rector, 6410 Amador St., Richmond.
 Contractor—Wallace Snelgrove, 24th and Esmond Sts., Richmond.

Plans Being Prepared.
TRANSIT SHED Cost, \$—
OAKLAND, Alameda Co., Cal. Outer Harbor.

400 ft. extension to transit shed.
 Owner—City of Oakland Port Commission, 424 Oakland Bank Building, Oakland.
 Architect—Eng. Dept. of Owner.

Plans Being Completed
REMODELING Cost approx. \$7000
SAN JOSE, Santa Clara Co., Calif.
 Second and San Fernando Sts.
 Remodel present warehouse.
 Owner—Lion & Co., San Jose.
 Architect—Herman Krause, Bank of San Jose Bldg., San Jose.
 Plans will be ready for bids within ten days.

Bids Opened.
CLEANING PLANT Cost, \$6000
HAYWARD, Alameda Co., Calif.
 One-story brick cleaning establishment (30x50-feet) and one-story hazardous building (32x14-ft.).
 Owner—Star Cleaners (Mr. Palmtag), Hayward.
 Architect—E. P. Whitman, 192 Main St., Hayward.

Following is a complete list of bids:
 C. Schwartz, Hayward.....\$6,238
 Tuttle & Green, Hayward.....\$6,500
 F. C. Little, Hayward..... 6,650
 A. Holyoke, Hayward..... 6,650
 Carl Sorensen, Hayward..... 6,750
 A. F. Hansen, Hayward..... 6,780
 James Willison, Hayward..... 6,880
 M. Russell, Hayward..... 7,190
 Bids held under advisement until May 19th.

Sub-Contracts Awarded.
WAREHOUSE Cont. price, \$17,999
OAKLAND, Alameda Co., Cal. 14th Ave. and E 14th St.
 Three-story factory and warehouse (wood and steel frame, reinforced concrete and hollow tile construction).
 Owner—Caldow Paint Co., 1422 14th Ave., Oakland.
 Architect—C. W. McCall, 1404 Franklin St., Oakland.
 Contractor—Villadsen Bros., 461 Market St., San Francisco.
 Excavation—I. C. Lacey, 5207 West St., Oakland.
 Mill Work and Lumber—Sunset Lbr. Co., 400 High St., Oakland.
 Steel Sash—Detroit Steel Products Co. Hunter-Dulin Bldg., San Francisco

Preparing Working Drawings—Contract Awarded.
BUILDING Cost, \$25,000
SAN FRANCISCO, N Mission St. bet. 5th and 6th Sts.
 Two-story reinforced concrete bldg.
 Owner—Mrs. T. Lyons.
 Architect—G. Frederick Ashley, 525 Market St.
 Contractor—G. P. W. Jensen, 320 Market Street.

Preparing Plans.
MFG. PLANT Cost, \$75,000
WATSONVILLE, Santa Cruz Co., Cal.
 One-story brick vitamin manufacturing plant.
 Owner—Lettisvine Vitamin Co., Inc., Watsonville.
 Plan by Mr. Brositt, Eng. Dept. Chas. Dickens & Staff, 4 Key Route Ar. cade, Oakland.
 Bids will be taken in about 30 days.
 Incorporators are: Dr. Chas. Dickens of Oakland; H. F. Boyer, James T. Mann, Harry B. Sears, Ned B. Strong and James R. Cutler of Watsonville, and W. W. Benchley of Oakland, oleomargarine manufacturer.

Plans Being Completed.
OFFICES Cost, \$3500
SAN JOSE, Santa Clara Co., Calif.
 One-story frame and stucco offices and warehouse.
 Owner—Williams & Russo, Fourth & Virginia Sts., San Jose.
 Architect—Herman Krause, Bank of San Jose Bldg., San Jose.
 Bids will be taken in about 1 week.

Sub-Contracts Awarded.
ADDITION Cost, \$—
EMERYVILLE, Alameda Co., Cal.
 One-story brick addition to factory and warehouse.
 Owner—California Packing Company, 101 California St., San Francisco.
 Engineer—Phillip Bush, 101 California St., San Francisco.
 Contractor—Chas. D. Vezey & Sons, 354 Hobart St., Oakland.
Reinforcing Steel—Concrete Engineering Co., 1230 Indiana St., S. F.
Brick Work—White & Gloor, Monadnock Bldg., San Francisco.
Miscellaneous Iron—Judson-Pacific Co., 608 Mission St., San Francisco.
Sand Fill—Ariss-Knapp Co., 961 41st St., Oakland.
Glass—East Bay Glass Co., 621 6th St., Oakland.
Sheet Metal—Superior Metal Products Co., 4400 Market St., Oakland.

Well Boring Bids Wanted.
INDUSTRIAL BLDG. Cost, \$—
SAN FRANCISCO, SE Russ and Howard Streets.
 Three-story reinforced concrete industrial building.
 Owner—Eng-Skell Co., 208 Mission St., San Francisco.
 Engineer—A. C. Gricwank, 208 Mission St., San Francisco.
 Concrete piling bids will be taken in one week.

Plans Being Prepared.
ALTERATIONS Cost, \$25,000
ALAMEDA, Alameda Co., Cal. West end Pacific Avenue.
 Alterations and additions to three-story reinforced concrete factory and warehouse (41x230 feet).
 Owner—Sea-Maid Corporation, 360 17th St., Oakland (J. M. Solon, President).
 Architect—Withheld.
 Part of the work will be done by the owner. Plans will be ready for general contract figures in 30 days.

Site Purchased—Plans To Be Prepared.
WAREHOUSES Cost, \$—
SAN FRANCISCO, W Third St. from Mariposa to Sixteenth St.
 Four huge warehouses (assembling, storage, etc.)
 Owner—Pacific Coast Steel Co., 111 Sutter St., San Francisco.
 Architect—Eng. Dept. of Owner.
 Will cover an area of 175,000 square feet.

Sub-Contracts Awarded.
MFG. PLANT Cost, \$125,000
SOUTH SAN FRANCISCO, San Mateo Co., Calif.
 Part 2-story and part 6-story steel, brick and concrete manufacturing plant.
 Owner—Pacific Bone, Coal & Fertilizer Company.
 Engineers—Ellison and Ellison, Pacific Bldg., San Francisco.
 Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
 Brick—Emil Hogberg, 249 Edgewood Avenue.
Reinforcing Steel—Pacific Coast Steel Co., 111 Sutter St., San Francisco.
 As previously reported piling awarded to Healy-Tibbitts Const. Co., 64 Pine St., San Francisco; lumber to Loop Lumber Co., Central Basin, San Francisco; structural steel to Dyer Bros. Iron Works, 17th and Kansas Sts., San Francisco.

PITTSBURG, Contra Costa Co., Cal.—Shell Development Co. a subsidiary of the Shell Co., is reported to be seeking a site in the Pittsburg area on which it is proposed to erect a chemical plant. Sites are also being considered for such a plant in the vicinity of Martinez.

Contract Awarded.
CLEANING PLANT Cont. price, \$6293
HAYWARD, Alameda Co., Calif.
 One-story brick cleaning establishment
 (30x50 ft.) and 1-story hazardous building (32x14-ft.)
 Owner—Star Cleaners (Mr. Palmtag),
 Hayward.
 Architect—E. P. Whitman, 192 Main
 St., Hayward.
 Contractor—C. Schwartz, Hayward.

Contract To Be Awarded.
CREAMERY Cost, \$65,000
OAKLAND, Alameda Co., Calif. San
 Pablo Ave. and Athens St.
 One- and two-story brick and tile
 creamery.
 Owner—Willow Brook Dairy.
 Architect—Diggs and Marshall, Inc.,
 Latham Square Bldg., Oakland.
 Contractor—E. S. Campomencis, 6401
 Broadway, Oakland.

GARAGES AND SERVICE STATIONS

Contract To Be Awarded.
AUTO SALES BLDG. Cost, \$—
ALAMEDA, Alameda Co., Cal. Park
 St. and Buena Vista Ave.
 One-story class C auto sales and ga-
 rage building.
 Owner—Frank Dietz, 2318 Central Av-
 enue, Alameda.
 Plans by Angelo Hewetson, 1100 Ver-
 sailles Ave., Alameda.
 Contractor—Conrad Roth, 2101 Cen-
 tral Ave., Alameda.

GOVERNMENT WORK AND SUPPLIES

SACRAMENTO, Cal.—Until May 23,
 3 P. M., under Order No. 1945-1634-23,
 bids will be received by U. S. Engineer
 Office, California Fruit Bldg., to
 furnish and deliver miscellaneous cast-
 ings and angle iron. Specifications ob-
 tainable from above office.

POMONA, Los Angeles Co., Cal.—
 Until 2 P. M., June 2, bids will be re-
 ceived by Supervising Architect,
 Treasury Dept., Washington, D. C.,
 for topographical survey and soil in-
 vestigation of proposed new U. S.
 Post Office building site in Pomona.
 Specifications on file at office of
 Postmaster Harry B. Westgate, Po-
 mona. Cost, \$250,000.

Plans Being Figured—Bids Close May
 28, 11 P. M.
WAREHOUSES Cost, \$—
SAN FRANCISCO, Fort Mason.
 Paint iron, etc., on certain portions of
 warehouses.
 Owner—U. S. Government.
 Architect—None.
 Bids are being received by Depot
 Quartermaster, Fort Mason.

Low Bidder.
REROOFING Cost, \$—
SAN FRANCISCO, Fort Mason.
 Reroofing Warehouses Nos. 14, 16, 18.
 Owner—U. S. Government.
 Architect—Constructing Quartermas-
 ter, Fort Mason, San Francisco.
 Low Bidder—Herman Kohlweiss, 140
 Ortega St., San Francisco, at
 \$4800.

WASHINGTON, D. C. (By Special
 Wire)—Schuler and MacDonald, Inc.,
 1723 Webster St., Oakland, Calif., at
 \$32,494 submitted low bid May 21 to
 Bureau of Yards and Docks, Navy
 Department, for one gate house, in-
 cluding fences and gates; wash house
 and boiler room, paint storehouse,
 gasoline service station, two bath
 houses, 2 comfort stations, beach de-
 velopment, including board walks, pier,
 floats and breakwaters; wire fencing
 and flagpole at the naval ammunition
 depot, Hawthorne, Nev. Next two low

bidders were: Robert E. McKee, Los
 Angeles, \$39,900; Newport Contracting
 and Engineering Co., Leehall, Va.,
 \$103,531. Complete tabulation of bids
 will be published in these columns
 shortly.

Bids Opened.
SKYLIGHTS Cost, \$—
SAN FRANCISCO, Building No. 11,
 Yerba Buena Island (San Fran-
 cisco Bay).
 Install seven metal skylights, complete
 with glass and glazing (Specification
 No. 6093).
 Owner—U. S. Government.
 Architect—Public Works Office, 12th
 Naval District, 100 Harrison St.,
 San Francisco.
 Following is a complete list of bids:
 Conlan & Roberts, 410 Natoma
 St., San Francisco.....\$185
 Epp Sheet Metal Works, S. F.....1750
 Forrester Corncor Works, S. F.....1774
 Bids referred to Washington for
 award.

SACRAMENTO, Cal.—Until May 27,
 3 P. M., under Order No. 301-367, Spec-
 ification No. 1930-1623, bids will be re-
 ceived by U. S. Engineer Office, Cali-
 fornia Fruit Bldg., Sacramento, to fur-
 nish and deliver welded dredge pipe.
 Further information obtainable from
 above.

HAWTHORNE, Nevada — Emil
 Brown & Co., Los Angeles, at \$7300
 awarded contract by Bureau of Yards
 and Docks, Navy Department, Wash-
 ington, D. C., to furnish and install
 kitchen and cafeteria equipment at
 Naval Ammunition Depot, Haw-
 thorne.

SACRAMENTO, Cal.—Until May 27,
 3 P. M., under Order No. 1975, bids
 will be received by U. S. Engineer Of-
 fice, California Fruit Bldg., for use of
 launch for a period of 150 days. Fur-
 ther information obtainable from
 above.

SAN FRANCISCO—Until May 28, 11
 A. M., under Specification No. 6174,
 bids will be received by Public Works
 Officer, Twelfth Naval District, 100
 Harrison St., for painting exterior
 Quarters No. 1 of Receiving Ship Sta-
 tion at Yerba Buena Island, San Fran-
 cisco Bay. Contract will involve all
 exterior woodwork, wood shingle and
 tin roofs and foundations walls.
 Specifications and further informa-
 tion obtainable from above.

May 20, 1930
 Plans Being Figured—Bids Close June
 11, 11 A. M.
REPAIRS Cost, \$—
SAN FRANCISCO, Yerba Buena
 Island, San Francisco Bay.
 Repair and reroof Building No. 13 at
 Naval Receiving Ship Station
 (Specification No. 6094).
 Owner—U. S. Government.
 Architect—Bureau of Yards and Docks
 Navy Dept., Washington, D. C.
 Bids for this work will be received
 by the Public Works Officer, Twelfth
 Naval District, 100 Harrison St., San
 Francisco, and will involve repairing
 and replacing roofing, flashings and
 counter-flashings, etc.

SAN BERNARDINO, Cal.—Until 3
 P. M., June 6, bids will be received
 by the Supervising Architect, Treas-
 ury Department, Washington, D. C.,
 for furnishing and installing freight
 elevator in new U. S. postoffice build-
 ing in San Bernardino. Plans obtain-
 able from architect at Washington.

JUNEAU, Alaska—Kimball Bros.
 Co., Council Bluffs, Iowa, at \$15,122
 submitted low bid to Supervising Ar-

chitect, Treasury Department, Wash-
 ington, D. C., to furnish and install
 elevators in postoffice at Juneau,
 Alaska. Otis Elevator Co., Washing-
 ton, D. C., at \$15,754 only other bid-
 der.

SAN FRANCISCO—Until May 28, 3
 P. M., under Order No. 1982, bids will
 be received by U. S. Engineer Office,
 California Fruit Bldg., Sacramento, to
 furnish, deliver and place rip-rap
 stone along the Sacramento river in
 the vicinity of Rio Vista, Solano Coun-
 ty. Further information obtainable
 from above office.

WASHINGTON, D. C.—Bids are be-
 ing received by Bureau of Supplies and
 Accounts, Navy Department, Wash-
 ington, D. C., to furnish and deliver
 miscellaneous supplies and equipment
 as noted in the following schedules,
 further information being available
 from the Navy Department Office
 100 Harrison St., San Francisco:

Bids Open June 3
 Mare Island, composition pipe fit-
 tings, sch. 3413.
 Western yards, sailmakers' and
 tinners shears, sch. 3417.
 Mare Island, gasoline torches, sch.
 3428.
 Western yards, oil syringes, sch.
 3433.
 Western Yards, steel stamping fig-
 ures and letters, sch. 3432.
 San Diego and Puget Sound, 210
 sailmakers' palms, sch. 3431.
 Western yards, 160 gasoline fire
 pots, sch. 3430.
 Western yards, pliers and nippers,
 sch. 3429.
 Western yards, screwdrivers, sch.
 3427.
 San Pedro, 4 fuel oil meters and
 spares, sch. 3421.
 Western yards, carbon and high
 speed twist drills, sch. 3427.
 Western yards, portland cement
 sch. 3396.
 Puget Sound, 8 electro-hydraulic
 deck winches, parts and tools, sch.
 3440.
 Puget Sound, 3000 ft. white ash
 sch. 3436.
 San Diego 200,000 lbs. cotton rags
 Mare Island 400,000 lbs. do, sch. 3457.
 Western yards, rules and tapes
 sch. 3418.
 Western yards, electric drills and
 grinders, sch. 3456.
Bids Open June 10
 San Diego, 42 electric soldering
 irons: Mare Island, 125 do; Puget
 Sound, 90 do, sch. 3452.
 Western yards, vices, sch. 3441.
 Western yards, hammers, axes
 hatches, mallets, sledges and raw-
 hide heads, sch. 3446.
 Western yards, ratchet braces and
 drills, breast, and hollow handle
 drills, sch. 3447.
 Western yards, chain holsts, sch.
 3450.
 Western yards, sharpening stones,
 sch. 3454.
 Mare Island, 100 transmitting vacu-
 um tubes, sch. 3455.
 San Diego, 1 crane hoist truck,
 sch. 3460.
 Hawthorne, Nevada, 8 flat and box
 railway cars, sch. 3461.
 Mare Island, 481 steam and water
 valves, sch. 3414.

Bids To Be Asked Within a Few Days
HEADLIGHT SYSTEM Cost, \$—
SAN FRANCISCO, Crissy Field, Pre-
 sidio.
 Headlight system at airport.
 Owner—U. S. Government.
 Architect—Constructing Quartermas-
 ter, Fort Mason.
 Certain equipment in connection
 with this project will be furnished by

the Government. The installation will be similar to that installed at Dayton Ohio. It will be a complete underground system.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured—Bids Close June

2nd, 2 P. M.
LODGE BLDG. Cost, \$10,000
 ESCALON, San Joaquin Co., Cal.
 Two-story brick class C lodge building (banquet hall kitchen and lodge rooms).

Owner—Masonic Lodge.
 Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Plans Completed.
GYMNASIUM Cost, \$35,000
 VALLEJO, Solano Co., Cal. York and Clara Sts.

One-story gymnasium (type of construction not decided: 90x56 ft.)
 Owner—Naval Y. M. C. A. (W. T. Wilkie, manager), Vallejo.

Plans by Owner.
 Bids will be taken in about one week. Plans will be obtainable from owner.

EUREKA, Humboldt Co., Cal.—Harris Sheet Metal Works, Eureka, at \$1,767 and \$1,755 respectively, awarded contracts for heating in connection with the Futuna and Arcata Veterans' Memorial Buildings. The supervisors rescinded a previous resolution rejecting the bids on this unit of the work. Newton Ackerman, architect, 102 W 4th St., Eureka.

Plans Being Figured By Selected List Of Contractors.

LODGE BLDG. Cost, \$30,000
 NILES, Alameda Co., Cal.
 Two-story brick lodge building.
 Owner—Odd Fellows Lodge.
 Architect—George Ellinger, 1723 Webster St., Oakland.

May 20, 1930
 Incinerator Contract Awarded.

CLUB BLDG. Cost, \$65,000
 Total cost of improvement, \$540,000
 MILLBRAE, San Mateo Co., Cal.

One and one-half-story frame and stucco Spanish type club house.
 Owner—Union League Golf & Country Club (Subsidiary of Union League Club.)

Architect—Willis Polk & Co., 277 Pine St., San Francisco.

Contractor—C. T. Magill, 185 19th Ave San Francisco.

Incinerator—Kerner Incinerator Co., 450 Clementina St., San Francisco

As previously reported, tile awarded to Ginsberg Tile Co., 540 Turk St., S. F., at \$2400; painting to D. Zelinsky & Son, 165 Grove St., S. F., at \$3150; plumbing to Scott Co., 243 Minna St., S. F.

Plans Being Prepared.
ALTERATIONS Cost approx. \$50,000
 SAN FRANCISCO, 1142 Van Ness Avenue.

Minor alterations to club.
 Owner—Concordia Club (Harry Hilp, president).

Architect—Hyman and Appleton, 68 Post St.

Contractor—Barrett & Hilp, 918 Harrison St.

Work consists mostly of interior work, i. e. new furnishings, furniture, etc. Work will be started about July 1st.

HOSPITALS

Contracts Awarded.
EQUIPMENT Cost, \$—

EUREKA, Humboldt Co., Calif.
 County Hospital equipment.

Owner—County of Humboldt (Fred M. Kay, county clerk).

Architect—Newton D. Ackerman, 102 W 4th St., Eureka.

Office Equipment—Humboldt Paper Co., Eureka, \$456.

Kitchen Equipment—Brizard's, Arcata, \$348.49.

Furniture and Bedding—Brizard's, Arcata, \$14,509.09.

Surveys Being Made.
ALTERATIONS Cost, \$—

OAKLAND, Alameda Co., Cal.
 Alterations and changes to reduce fire hazards in County Detention Home.

Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Spb-Contracts Awarded.
ADDITION Cost, \$70,000

(Including equipment).
STOCKTON, San Joaquin Co., Cal.
 Lincoln and Magnolia Sts.

Three-story and basement brick and concrete hospital addition.

Owner—Dameron Hospital, Lincoln & Magnolia Sts., Stockton.

Architect—H. G. Bissell, 421 E-Miner St., Stockton.

Contractor—O. H. Chain, Bank of America Bldg., Stockton.

Concrete Work—J. A. Silver, 1229 N-EI Dorado St., Stockton.

Lumber—San Joaquin Lumber Co., Scott and Madison Sts., Stockton

Ornamental and Miscellaneous Iron—Seiler Iron Works, 945 S-Pilgrim St., Stockton.

Structural Steel—Seiler Iron Works, 945 S-Pilgrim St., Stockton.

Glass and Glazing—W. P. Fuller & Co., 218 N-Aurora St., Stockton

Mill Work—Electric Planing Mill, Hazelton and Monroe Sts., Stockton.

Painting—L. A. Danner, 20 N-California St., Stockton.

Sub-bids are being taken on refrigeration and plastering and reinforcing steel.

As previously reported, plumbing, heating and mechanical work awarded to Miller-Hays Co., Grant and Weber Sts., Stockton; electric work to Franke Elec. Co., 748 E-Weber St., Stockton; elevators to Spencer Elevator Co., 156 7th St., San Francisco.

EUREKA, Humboldt Co., Calif.—County supervisors take under advertisement bids to furnish and deliver furniture, safe, bedding, decks, dishes and other equipment for new county hospital. Bidders were: Colson Co. of the Pacific; O'Keefe & Co., Inc.; A. Brizard, Inc.; Dohrmann Hotel Supply Co., and Hall Bros. Newton Ackerman, architect, 102 W 4th St., Eureka.

Plans Being Completed.
ADDITION Cost, \$150,000

REDWOOD CITY, San Mateo County.
 Cal. County Hospital Grounds at Beresford.

Wing addition to county hospital.
 Owner—County of San Mateo, Elizabeth M. Kneese, county clerk.

Architect—Will H. Toepke, Call Bldg., San Francisco.

Contracts Awarded.
ADDITION Cost, \$70,000

(Including equipment)
STOCKTON, San Joaquin Co., Calif.
 Lincoln and Magnolia Sts.

Three-story and basement brick and concrete hospital addition.

Owner—Dameron Hospital, Lincoln & Magnolia Sts., Stockton.

Architect—H. G. Bissell, 421 E-Miner St., Stockton.

Contractor—O. H. Chain, Bank of America Bldg., Stockton.

Plumbing, Heating and Mechanical Work—Miller-Hays Co., Grant and Weber Sts., Stockton.

Electric Work—Franke Electric Co., 748 E Weber St., Stockton.

Elevators—Spencer Elevator Co., 156 7th St., San Francisco.

Sub-Bids Being Taken.
ADDITION Cost, price, \$150,389

OAKLAND, Alameda Co., Cal. Fairmont Hospital.

Two-story class C reinforced concrete hospital addition.

Owner—County of Alameda.

Architect—H. H. Meyer, Kghl Bldg., San Francisco.

Contractor—Geo. J. Maurer, 50 York Drive, Oakland.

HOTELS

Plans Being Figured—Bids Close June 2nd.

HOTEL Cost, \$500,000
EUREKA, Humboldt Co., Cal. NW Fourth and F Sts.

Ten-story class B reinf. conc. 200-room modern hotel building.

Owner—Pickwick Co. (Ed. Thompson, 34th and Mission Sts., San Francisco, in charge).

Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.

As previously reported, soundings by Mercer-Fraser Co., Eureka.

Plans Being Prepared.
ADDITION Cost, \$700,000

PASADENA, Los Angeles Co., Cal.
 No. 125 S. Grand Avenue.

Six-story reinforced concrete hotel addition (182 rooms).

Owner—Vista del Arroyo Hotel (R. O. Comstock, Mgr.)

Architect—George Wiemeyer, 110 Sutter St., San Francisco.

Contractor—Orndorff Construction Co., 437 S. Hills St., Los Angeles.

Plans Being Figured.
HOTEL Cost, \$150,000

RENO, Nevada. No. 151 Sierra St.

Four-story fireproof hotel and stores (90 rooms with private baths).

Owner—Barango Bros., Reno, Nevada.

Architect—F. J. DeLongchamps, Gazette Bldg., Reno.

Bids are being taken for a general contract.

Sub-Contracts Awarded.
HOTEL Cost, \$17,220

SALINAS, Monterey Co., Cal.
 Two-story class C hotel and stores.

Owner—King Lung Co., 40 Soledad St., Salinas.

Plans by W. E. Greene.
 Contractor—W. E. Greene, 27 Lincoln Ave., Salinas.

Excavating—H. Shaw, Salinas.

Reinforcing Steel—W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.

Lumber, Cement, Roofing and Roofing Tile—Tynan Lumber Co., Salinas.

Miscellaneous Iron Work—L. Schaffer & Co., 264 10th St., San Francisco.

Steel Sash—U. S. Metal Products Co., 230 10th St., San Francisco.

Millwork—Salinas Planing Mill, Salinas.

Plumbing and Sheet Metal Work—B. E. Underwood, Salinas.

Electrical Work—Electric Service Co., Salinas.

Painting—Geo. A. White, Salinas.

Sub-bids are wanted on concrete aggregates, plastering, tiling, glass and glazing, finish hardware, electrical fixtures.

Preliminary Plans Being Prepared.
THEATRE & HOTEL Cost, \$500,000

MARTINEZ, Contra Costa Co., Calif.
 Escobar and Las Juntas Sts.

Six- or seven-story class A theatre and hotel building (theatre to seat approx. 1400).

Owner—Earl B. Hough.

Architect—W. H. Weeks, Hunter-Du-lin Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Sub-Bids Being Taken.

HOTEL Cost, \$300,000
SAN FRANCISCO. N McAllister 137 W Polk St.

Ten-story class A hotel (166 rooms). Owner and Builder—Haley Bros., Russ Building.

Plans by Owner.
Building permit has been applied for.

POWER PLANTS

PASADENA, Los Angeles Co., Cal.—R. V. Orblson, Pasadena city manager, announces proposed expenditure of \$1,000,000 for new light unit and additional building for municipal light plant. Capacity use of present unit necessitates expansion and it is planned to have the new unit in operation by Nov. 1st, 1931. \$150,000 addition will be built adjoining present building on Glen Arm St. and electric unit will cost approximately \$900,000. It has not been decided if engineering department will prepare plans for building or an architect selected.

LOS ANGELES, Cal.—County supervisors will ask bids shortly to furnish one 150-h. p. boiler to be installed at Olive View Sanitarium.

SAN MIGUEL, Sn Luis Obispo Co., Cal.—Midland Counties Public Service Corp., 1118 Morro St., San Luis Obispo, will start construction shortly on a \$30,000 power line to Stone Canyon Mines, 35 miles east of San Miguel. Initial work will be a 60-k. w. sub-station and two miles of line, according to H. J. Kelly, manager for the company.

Plans Being Prepared.

POWER HOUSE Cost, \$30,000
MODESTO, Stanislaus Co., Cal.
Stanislaus County Hospital.

Two-story reinforced concrete and hollow tile power house (unit 3). Owner—County of Stanislaus.

Architect—Russell Guerne De Lappe, 1710 Franklin St., Oakland.

Bids will not be taken until about August 1st.

ALASKA—George T. Cameron, Chronicle Bldg., San Francisco, authorized by Federal Power Commission to proceed with the construction of a 23,000-horsepower project on Dorothy Lake and creek in the Tongass National Forest, Alaska, power to be used in the manufacture of wood pulp and paper.

ALASKA—D. C. Brownell and L. V. Ray, Seward, Alaska, authorized by the Federal Power Commission to develop a power project with a capacity of approximately 2440-horsepower on Lost Creek in the Chugach National Forest, Alaska.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans Being Figured.
HALL OF JUSTICE Cost, \$200,000
PASADENA, Los Angeles Co., Cal.
North Garfield Avenue.

Four-story reinforced concrete hall of justice building (80x100 ft.)

Owner—City of Pasadena
Architect—J. J. Blick and W. W. Warren, 1247 E. Green St., Pasadena.

SANTA ROSA, Sonoma Co., Cal.—County supervisors reject all bids to furnish and install steel filing equipment to replace that now in use in the county clerk's office.

Plans Being Figured—Bids Close June 4, 2:30 P. M.

FIRE HOUSE Cost, \$—
SAN FRANCISCO. W 18th Ave. 225 N Rivera St.

Mission and Spanish type 50 by 120-ft. fire house (cement plaster and hollow tile construction).

Owner—City and County of San Francisco.

Architect—Bureau of Architecture, Board of Public Works, 2nd floor, City Hall.

Estimated costs as follows:
General Construction\$29,500
Electrical Work 2,500
Plumbing 6,700
Plans obtainable from Bureau of Architecture, 2nd floor, City Hall.

Plans Being Figured—Bids Close May 23, 8 P. M.

CITY HALL Cost, \$10,000
MORGAN HALL, Santa Clara Co., Cal.
One-story brick city hall.

Owner—City of Morgan Hill.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Site Purchased—Plans To Be Made.

LIBRARY Cost, \$—
SUSANVILLE, Lassen Co., Cal. Adjoining city hall.

Fireproof branch county library.

Owner—City of Susanville.

Architect To Be Selected.

Plans Being Figured—Bids Close June 17, 2 P. M.

GUARD HOUSE Cost, \$15,000
YOUNTVILLE, Napa Co., Cal. Veterans' Home.

Two-story reinforced concrete guard house (tile roof) (30x70 ft.)

Owner—State of California.

Architect—Geo. B. McDougall, Public Works Bldg., Sacramento.

Preliminary Estimates Being Taken.
LEGION BLDG. Cost, \$2,000,000
SAN FRANCISCO, Civic Center.

Four-story and basement concrete class A Legion Building (brick backing and terra cotta facing).

Owner—City and County of San Francisco (S. F. War Memorial).

Architect—G. A. Lansburgh 140 Montgomery St. and Arthur Brown, 251 Kearny St.

A. Wagstaff, 451 Montgomery St., is in charge of the memorial drafting rooms.

RESIDENCE

Preliminary Estimates Being Taken.
RESIDENCE Cost, \$20,000
SAN FRANCISCO. Pacific Avenue.

Two-story brick veneer residence.

Owner—Mrs. E. Lent, 2100 Jackson St., San Francisco.

Architect—Erle J. Osborne, Balboa Bldg., San Francisco.

Working Drawings Being Prepared.
RESIDENCE Cost, \$20,000
HEALDSBURG, Sonoma Co., Cal.

Two-story brick veneer residence

Owner—O. A. White.

Architect—Erle J. Osborne, Balboa Bldg., San Francisco.

Bids will be taken about June 15.

Bids In Held Under Advisement.
RESIDENCE Cost, \$—
WOODSIDE, San Mateo Co., Cal.

One-story frame and stucco residence (12 rooms).

Owner—Leon Sloss Jr., 2700 Broadway, San Francisco.

Architect—W. W. Wurster, 260 California St., San Francisco.

Will be erected around a court.

Plans Being Figured.
RESIDENCE Cost, \$700;
SAN MATEO, San Mateo Co., Calif.

Peninsula Manor.

One-story frame and stucco residence

Owner—Peninsula Manor, Bayshore Blvd. and Peninsula Avenue, San Mateo.

Plans by Enrl E. Cavasso, 235 Thlr Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, \$12,000
PALO ALTO, Santa Clara Co., Cal.

No. 320 Sequoia Ave.

Two-story frame and stucco residence

Owner and Builder—W. S. Miller, 255 Bartlett St., Palo Alto.

Architect—Douglas L. Stone, Great Western Power Bldg., Oakland.

Plans Being Figured By Selected List Of Contractors.

RESIDENCE Cost, \$—
SAN JOSE, Santa Clara Co., Calif.

Two-story frame and stucco residence (12 rooms).

Owner—Withheld.

Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.

Bids are to be in May 27th.

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Contract Awarded.
HOTEL Cost, \$17,220
SALINAS, Monterey Co., Cal.
Two-story Class C hotel and stores.
Owner—King Lung Co., 40 Soledad St., Salinas.
Plans by W. E. Greene.
Contractor—W. E. Greene, 27 Lincoln Ave., Salinas.

Plans Being Prepared.
RESIDENCE Cost, \$7000
SAN JOSE, Santa Clara Co., Calif.
One-story frame and stucco residence.
Owner—E. Locke.
Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Plans Being Prepared.
RESIDENCE Cost, \$20,000
SAN FRANCISCO. Location Withheld.
Owner—Withheld.
Architect—Edward Eames, 352 Sacramento St., San Francisco
Plans will be ready for bids in ten days.

Plans Being Figured.
ALTERATIONS Cost, \$25,000
BERKELEY, Alameda Co., Cal. No. 2667 Hearst Avenue.
Alterations and additions to two-story fraternity house.
Owner—Beta Theta Pi, Premises.
Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley.

Contract Awarded—Sub-Bids Being Taken.
HOUSE Cost, \$—
LAKE TAHOE, Calif.
Country House.
Owner—Mrs. Laura B. Westphal, Lake Tahoe.
Architect—Kent and Hass, 525 Market Street, San Francisco.
Contractor—Larsen and Larsen, Russ Bldg., San Francisco.
Structure will contain nine rooms and three baths; natural stone and log construction; asbestos shingles; steel sash; metal screens; wood and Celotex interior, wood frame, oak and pine; linoleum floors; electric heat and light; incinerator; pressure water pump and tank; patent flues; fireplace. A boat landing will also be provided. Separate garage with chauffeur's living quarters is also included.

Owner Taking Bids.
RESIDENCE Cost, \$—
SAN FRANCISCO, Green St. W. Hyde.
Two-story frame and stucco residence
Owner—A. Craviotto, 48 Russell St.
Plans by C. M. Baker, 155 Montgomery Street.
Bids are being taken on both a general contract and on a segregated basis.

Plans Being Completed.
RESIDENCE Cost, \$28,000
SAN JOSE, Santa Clara Co., Cal. The Alameda.
Two-story and basement frame and stucco residence (11 rooms).
Owner—Richard Bressani, Bank of Italy Bldg., San Jose
Architect—Herman Krause, 243 N. Ninth St., San Francisco.
Bids will be taken in about two weeks.

Low Bidder.
ALTERATIONS Cost, \$6000
BERKELEY, Alameda Co., Cal. San Luis Road.
Alterations and additions to two-story frame and stucco residence (tile roof).
Owner—Withheld.
Architect—Sidney B., Noble & Archie T. Newsom, Federal Realty Bldg., Oakland.
Low Bidder—A. Cederborg, 1455 Excelsior Blvd., Oakland.

Plans Being Prepared.
RESIDENCE Cost, \$10,000
SAN JOSE, Santa Clara Co., Calif.
One-story frame and stucco residence.
Owner—O. A. Harlan.
Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Bids In—Held Under Advertisment.
RESIDENCE Cost, \$30,000
SAN FRANCISCO. Santa Rita and San Marcos Sts.
Two-story frame and stucco residence (8 rooms).
Owner—Cleveland Wright, Insurance Exchange Bldg.
Architect—Farr and Ward, Foxcroft Building.

Plans Being Completed.
RESIDENCE Cost, \$25,000
MONTREY, Monterey Co., Calif.
Two-story and basement frame and stucco residence.
Owner—Arthur Metz.
Architect—W. O. Raiguel, Hotel Del Monte, Monterey.
Bids will be taken in ten days.

Plans Being Prepared.
RESIDENCE Cost, \$8500
SAN FRANCISCO N Jefferson St. 100 W Divisadero St.
Two-story frame and stucco residence (7 rooms, 2 baths).
Owner—Louis Franceschi, 125 Cervantes St., San Francisco.
Architect—R. R. Irvine, Call Bldg., San Francisco.

Preparing Working Drawings.
RESIDENCE Cost, \$8500
LOS ALTOS, Santa Clara Co., Cal.
Two-story frame and stucco residence
Owner—Mrs. H. A. Kunz, 2265 Larkin St., San Francisco.
Architect—Pring & Lesswing, 645 Market St., San Francisco.
Plans will be ready for figurs in one week.

Low Bidder.
RESIDENCE Cost, \$20,000
SAN FRANCISCO. Forest Hill.
Two-story and basement frame and stucco residence (10 rooms).
Owner—Charles Bullotti.
Architect—Harold G. Stoner, 220 3rd Ave., San Mateo.
Low Bidder—J. Prout, 515 Magellan Ave., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$30,000
SAN FRANCISCO. 18th Ave. near Vicente Street.
Two-story frame and stucco parochial residence for St. Cecelia's Parish.
Owner—Roman Catholic Archbishop, 1100 Franklin St.
Architect—H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts.
Contractor—S. Rasori, Call Bldg.

Construction Under Way.
RESIDENCE Cost, Approx. \$100,000
SAN MATEO, San Mateo Co., Cal. Tobin Clark Estate.
Two-story residence (English type).
Owner—Mrs. Tobin Clark, San Mateo Architect—David Aden, Chicago, Ill.
Mgr. of Constr.—Mr. Lane, Premises.

Contract Awarded.
RESIDENCE Cost, \$7000
SAN FRANCISCO. W Elgin Park S McCoppen.
Two-story and basement frame and stucco residence.
Owner—F. Meyer, 30 Seward St., San Francisco.
Architect—Walter Falch, Hearst Bldg. San Francisco.
Contractor—A. D. Collman, 666 Mission St., San Francisco.

Plans Completed.
RESIDENCE Cost, \$20,000
PIEDMONT, Alameda Co., Cal. St. James Wood.
Two-story and basement frame and stucco residence
Owner—Timothy E. Colvin, 461 Bellevue Ave., Oakland.
Architect—Sidney B., Noble & Archie T. Newsom, Federal Reserve Bk. Bldg., Oakland.
Whether bids will be taken or not is indefinite at this time.

Plans Being Figured By Elected List of Contractors.
ALTERATIONS Cost, \$6000
LAKE TAHOE, Placer Co., Cal.
Alterations and additions to frame residence.
Owner—Walter S. Heller, Mills Bldg., San Francisco.
Architect—Joseph J. Rankin, 26 O'Farrell St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, \$12,000
HOLLISTER, San Benito Co., Cal
Two-story frame and stucco residence
Owner—Leah Vile.
Architect—Binder & Curtis, 35 W San Carlos St., San Jose.

Contract Awarded.
RESIDENCE Cost, \$50,000
LOS ANGELES, Cal. No. 5224 W. Second St
Two-story brick veneer residence (10 rooms, 4 baths.)
Owner—Dr. Edw. M. Pallette, 950 S. Hoover St., Los Angeles.
Architect—David J. Witmer and Loyall F. Watson, 903 Architects' Bldg., Los Angeles.
Contractor—E. H. Knepper, 823 W. Tenth St., Los Angeles.

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Plans Being Completed.
RESIDENCE Cost, \$7000
 SAN JOSE, Santa Clara Co., Cal.
 One-story frame and stucco residence
 Owner—E. Locke.
 Architect—Wolfe & Higgins, Realty
 Bldg., San Jose.
 Bids will be taken in about two weeks.

Plans Being Figured By Selected List
 Of Contractors.
ALTERATIONS Cost, \$6000
 SAN FRANCISCO. No. 2737 Divisadero Street.
 Alterations and additions to frame and stucco residence.
 Owner—P. C. Peterson, Premises.
 Architect—Joseph J. Rankin, 26 O'Farrell St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, \$7000
 SAN LUIS OBISPO, San Luis Obispo Co., Cal.
 Two-story frame and stucco residence (6 rooms).
 Owner—Mr. Fell.
 Architect—Chas. Strothoff, 2274 15th St., San Francisco

Plans Being Prepared.
RESIDENCE Cost, \$5000
 MILBRAE HIGHLANDS, San Mateo Co., Cal.
 One-story frame and stucco residence (7 rooms).
 Owner—Milbrae Highlands, Inc.
 Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Preparing Plans.
RESIDENCE Cost, \$15,000
 MONTEREY, Monterey Co., Calif.
 Two-story frame and stucco residence (10 rooms).
 Owner—E. G. McMenamin, Monterey.
 Architect—Swartz & Ryland, Spazier Building, Monterey; Brix Building, Fresno, and 373 Pearl St., Salinas.

Contract Awarded.
RESIDENCE Cost, \$25,000
 CARMEL, Monterey Co., Calif.
 Two-story stone residence (7 rooms).
 Owner—Colonel Dutton, Monterey.
 Plans by Owner.
 Contractor—Frederick Ruhl, Carmel.
 Construction is started. All sub-contracts are in and will be awarded shortly.

Plans Being Figured By Selected List
 Of Contractors.
RESIDENCE Cost, \$—
 SAN FRANCISCO. Location Withheld.
 Two-story frame and stucco residence (14 rooms).
 Owner—Withheld.
 Architect—Farr & Ward, 68 Post St., San Francisco.

Plans Being Completed.
RESIDENCE Cost, \$10,000
 SAN JOSE, Santa Clara Co., Cal.
 One-story frame and stucco residence
 Owner—O. A. Harlan.
 Architect—Wolfe & Higgins, Realty Bldg., San Jose.
 Bids will be taken in two weeks.

SCHOOLS

Completing Plans.
SCHOOL Cost, \$60,000
 SAN JOSE, Santa Clara Co., Cal. (Garden School).
 One-story frame and stucco school (12 classrooms).
 Owner—San Jose School District.
 Architect—Warren Skillings, Garden City Bank Bldg., San Jose.
 Bids will be advertised for within one week

TAFT, Kern Co., Cal.—Until June 10, 7:30 P. M., bids will be received by H. E. Osburn, clerk, Taft Union High School District, to furnish and deliver:

- (a) Janitor's Supplies.
- (b) General Instructional Supplies.
- (c) Industrial Arts Supplies, including Lumber for Manual Training.
- (d) Transportation Supplies.
- (e) Science Supplies.
- (f) Domestic Science Supplies.
- (g) Art Supplies.
- (h) Drugs for Gymnasium and Athletics.

Delivery to be made between Aug. 15 and Sept. 1, except manual training lumber which will be delivered as provided in the specifications obtainable from the clerk. Certified check 5% payable to clerk required.

Plans Being Figured—To Be Opened
 June 19, 4 P. M.
ADDITION Cost, \$150,000
 SAN JOSE, Santa Clara Co., Calif.
 Roosevelt High School.
 One-story reinforced concrete high school addition.
 Owner—San Jose Board of Education
 Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Plans Being Prepared.
ADDITION Cost, \$50,000
 EMERYVILLE, Alameda Co., Calif.
 Reinforced concrete addition to high school.
 Owner—Emeryville School District.
 Plans by S. Arnold, Emeryville High School, Emeryville.

Plans Being Figured.
SCHOOL Cost, \$25,000
 EMERYVILLE, Alameda Co., Calif.
 One-story brick elementary school.
 Owner—Emeryville School District.
 Plans by S. Arnold, Emeryville High School, Emeryville.

SAN FRANCISCO.—Until June 2, 3 P. M., under Proposal No. 592, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and install print shop equipment for Presidio Junior High School and for Roosevelt Junior High School. Specifications and further information obtainable from above.

Plans Being Figured—Bids Close June 11.
SCHOOL Cost, \$35,000
 UPPER LAKE, Lake Co., Cal.
 One-story reinforced concrete high school.
 Owner—Upper Lake Union High School District.
 Architect—William Herbert, Rosenberg Bldg., Santa Rosa.
 Plans will be ready for bids in three weeks.

Contract Awarded.
SCHOOL Cost, \$14,819
 SANTA ROSA, Sonoma Co., Cal. So. Park Section.
 One-story frame and stucco school with tile roof (3 rooms and auditorium).
 Owner—City of Santa Rosa School District.
 Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.
 Contractor—Jack Lindsey, Santa Rosa

Commissioned To Prepare Plans.
SCHOOL Cost, \$15,000
 WINTERS, Yolo Co., Calif.
 One-story frame and stucco school (2 classrooms).
 Owner—Winters School District.
 Architect—Dean & Dean, California State Life Bldg., Sacramento.

Plans Being Figured—Bids Close June 10, 8 P. M.
SCHOOL Cost, \$20,000
 SAN JOSE, Santa Clara Co., Cal.
 The Alameda (Hester School).
 Steam heating plant at school.
 Owner—San Jose School District.
 Architect—Ralph Wyckoff, Growers Bank Bldg., San Jose.

Grading Contract Awarded.
SCHOOL Cont. price, \$459,000
 SAN FRANCISCO. Onondago, Cayuga, Otsego and Seneca Aves.
 Third unit of Balboa (South Side) high school, comprising auditorium of steel frame and reinforced concrete, and 4-story reinforced concrete Academic building with tile roof.

Owner—City and County of San Francisco.
 Architect—Bakewell and Weihe, 251 Kearny St.
 Contractor—MacDonald & Kahn, Financial Center Bldg.
 Grading—Sibley Grading & Teaming Co., 165 Landers St.
 As previously reported mechanical equipment awarded to Scott Co., 243 Minna St., \$35,977; plumbing to H. Lawson, 465 Tehama St., \$32,000; electric work to R. Flatland, 1899 Mission St., \$41,000.

Plans Being Figured—Bids Close June 10, 5 P. M.
RETAINING WALL Cost, \$—
 HILLSBOROUGH, San Mateo Co., Cal
 Concrete retaining wall on portion of bank of San Mateo Creek adjoining school grounds.
 Owner—Hillsborough School District.
 Architect—Willis Polk & Co., 277 Pine St., San Francisco.

Certified check 10% required with bid. Plans obtainable from Thos. H. Breeze, District Clerk, Hillsborough.

Bids Rejected—Plans Being Revised.
SCHOOL Cost, \$14,819
 SANTA ROSA, Sonoma Co., Cal. So. Park Section.
 One-story frame and stucco school with tile roof (3 rooms and auditorium).
 Owner—City of Santa Rosa School District.
 Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.
 New bids will be called for shortly.

Preparing Plans.
SCHOOL Cost, \$—
 CARMEL, Monterey Co., Calif.
 One-story frame and stucco school (2 classrooms).
 Owner—Carmel Grammar School Dist.
 Architect—Swartz & Ryland, Spazier Building, Monterey; Brix Building, Fresno, and 373 Pearl St., Salinas.

SAN FRANCISCO.—Following contracts awarded by Board of Supervisors to furnish and install school furniture, as follows:
 800 chair desks No. 1, \$5.78 each; Peck & Hills Furn. Co.
 1200 chair desks No. 2, \$5.78 each; Peck & Hills Furn. Co.
 3500 chairs, library, \$2.59 each; Stevenson & Son.
 40 chairs, swivel, \$3.90 each; Peck & Hills Furn. Co.
 750 chairs, tablet arm, \$4.89 each; Rucker Fuller Co.
 100 desks, 42 by 32 inches, \$19.00 each; Rucker Fuller Co.
 24 desks, 50 by 32 inches, \$25.90 each; Rucker Fuller Co.
 500 stools, size 18 inches, \$1.25 each; C. F. Weber & Co.
 500 stools, size 24 inches, \$1.40 each; C. F. Weber & Co.

SAN FRANCISCO.—Until June 4th, 2:30 P. M., bids will be received by Board of Public Works to furnish and install chairs in the Park—Presidio High School; estimated cost \$7,000.

Bond of \$1,750 required of the successful bidder. Specifications obtainable from Bureau of Architecture, 2nd floor City Hall.

Contract Awarded.
SCHOOL Cost, \$105,000
WILLIAMS, Colusa Co., Cal.
Reinforced concrete and hollow tile grammar school.
Owner—Williams School District.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Contractor—Azevedo & Sarmento, 920 O St., Sacramento.

Following is a complete list of bids:
Azevedo & Sarmento, Sacto.....\$76,634
C. J. Hopkins, Sacramento.....31,474
Mathews Const. Co., Sacto.....31,600
H. H. Henning, Stockton.....32,180
Lindgren and Swinerton, Inc., Sacramento.....32,765
Wm. C. Keating, Sacramento.....33,500
Campbell Const. Co., Sacto.....33,836
J. F. Shepherd, Stockton.....36,200
C. J. Evans, Chico.....36,477
P. F. Bender, Sacramento.....37,462
F. H. Betz.....39,600

Sub-Contracts Awarded.
SCHOOL Cost, \$100,000
OAKLAND, Alameda Co., Cal. NE Pleasant and Champion Sts.
Three-story brick and steel parochial school.

Owner—St. Jarlath Parish.
Architect—Geo. McCrea, Hearst Bldg., San Francisco.
Contractor—Mealey & Collins, 666 Mission St., San Francisco.
Concrete—W. C. Keating, Central Bank Bldg., Oakland.
Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.
Mill Work—Lannom Bros. Mfg. Co., Fifth and Magnolia Sts., Oakland.
Painting—S. H. Laker Co.

As previously reported, excavating awarded to J. Catucci, 1212 18th Av., Oakland; reinforcing steel to W. S. Wetenhall, 17th and Wisconsin Sts., S. F.; steel shak and steel frames to Michel & Pfeffer Iron Works, Harrison & Tenth Sts., S. F.; lumber to E. K. Wood Lumber Co., 1 Drumm St., San Francisco.

Plans Being Figured—Bids Close June 10, 8 P. M.
SCHOOL Cost, \$80,000
SANTA CRUZ, Santa Cruz Co., Cal.
One-story frame and stucco school (7 classrooms and assembly hall).
Owner—Santa Cruz School District.
Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Plans Being Figured—Bids Close June 18, 2:30 P. M.
SCHOOL Cost, lat unit, \$700,000
SAN FRANCISCO. Aptos and Westgate Aves.
Class A Aptos Junior High School (accommodate approx. 1200 students)
Owner—City & County of San Francisco.
Architect—Shea and Shea, 454 Montgomery St.

Segregated bids are wanted for:
General Contract, estimated cost \$663,400, bond of \$165,850 required of successful bidder. Deposit of \$50 required for plans.
Mechanical Equipment, estimated cost \$58,000, bond \$14,500, \$25 for plans.
Pumping, estimated cost \$39,000, bond \$9750, \$25 for plans.
Electric Work, estimated cost \$33,000, bond \$8250, \$25 for plans.

NEWMAN, Stanislaus Co., Calif.—Until May 31, 1 P. M., bids will be received by H. J. von Renner, clerk, Newman Grammar School District, to place new roof on Yolo St. School. Certified check 10% required with bid.

Specifications and further information obtainable from clerk.

Preliminary Plans Being Prepared.
GYMNASIUM Cost, \$50,000
BERKELEY, Alameda Co., Cal. Addison and Curtis Sts.
Burbank Junior High School Gymnasium.
Owner—Berkeley School District.
Architect—Hardman and Russ, Berkeley Bank Bldg., Berkeley.

Sub-Contracts Awarded.
GYMNASIUM Cont. price, \$15,395
ARCATA, Humboldt Co., Cal.
Completion of gymnasium bldg. (work involves plastering, etc.)
Owner—State of California.
Architect—George B. McDougall State Architect, Public Works Building, Sacramento.

Contractor—Fred J. Maurer, Eureka.
Tile Roof—J. A. Parks Roofing Co., Eureka.
Metal Lockers—Dwan & Co., 534 6th St., San Francisco.
Exterior and Interior Plastering—M. Cookson, Eureka.
Millwork and Lumber—Little River Rdw. Co., Arcata.
Hardwood Floors—Geo. C. Jacobs Co., Eureka.

Painting—Nelson Bros., Eureka.
As previously reported electric work awarded to Arcata Elec. Shop, Arcata, 1997; plumbing, heating and ventilating to Hatley & Hatley, 1710 10th St., Sacramento, \$5,621.

Plans Being Prepared.
SCHOOL Cost, \$35,000
LIVERNE, Lake Co., Cal.
Reinforced concrete grammar school.
Owner—Lucerne School District.
Architect—N. R. Coulter, 46 Kearny St., San Francisco.
Bids will be called for in about 3 weeks.

Plans Being Figured—Bids Close May 31, 4 P. M.
SCHOOL Cost, \$—
YUBA CITY, Sutter Co., Cal.
Re-roof school building and pump-house.

Owner—Tierra Buena School District, Hans Nygaard, Clerk, Yuba City.
Architect—Chester Cole, 303 First National Bank Bldg., Chico.
Certified check or bidder's bond of \$150 required with bid. Plans obtainable from architect and on file in office of the county superintendent of schools at Yuba City.

Contract Awarded.
SCHOOL Cost approx. \$145,000
PITTSBURG, Contra Costa Co., Cal.
Group of four brick and terra cotta Junior High School buildings (attached) academic building, gymnasium, shops and auditorium.
Owner—Pittsburg School District.
Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.
Contractor—George Maurer, 50 York Drive, Oakland.

BANKS, STORES & OFFICES

Contract Awarded.
BALLROOM Cost, \$100,000
OAKLAND, Alameda Co., Cal Grand Ave. and Webster St.
Four-story steel frame and concrete ballroom.
Owner—Geo. Ebe, 3919 Angelo St., Oakland.
Architect—Ray F. Keefer, 1723 Webster St., Oakland.
Lessee—Sweet's Ballroom.
Contractor—Jacobs & Pattiani, 337 17th St., Oakland.
Sub-bids will be taken in one week.

Plans Being Figured.
STORES Cost, \$16,000
SAN FRANCISCO. West Portal Ave. and Vicente St.
Two-story and basement frame and stucco stores (several stores, garage, private reading room and library).
Owner—C. A. Chaquette, 155 Montgomery St.
Architect—S. Helman, 605 Market St.

Contract Awarded.
STORES Cost, \$—
GONZALES, Monterey Co., Cal.
One-story concrete and steel stores.
Owner—Sneible & Traveretti, Sunnysvale.
Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Erix Bldg., Fresno.
Contractor—Hugh Comstock, Carmel.

Contract Awarded.
STOREROOMS, ETC. Cost, \$—
WATERFORD, Stanislaus Co., Cal. Bentley and E Streets.
Two-story reinforced concrete building (60x80 ft.) (4 storerooms and public hall).
Owner—Waterford Mercantile Co.
Architect—G. N. Hilburn, Modesto.
Contractor—Harvey Rebmam, Modesto.

Plans Being Figured—Bids Close May 29th, 12 Noon.
STORES Cost, \$30,000
SAN FRANCISCO. NE 9th Ave. and Irving St.
One- and part 2-story frame and stucco stores and offices (4 stores).
Owner—Wobber Bros., 412 Jessie St.
Architect—Albert Schroeffer, 14 Montgomery St.

The corner store has been leased to Frank Dessel, druggist, who has been a tenant on this corner for 16 years. Safeway Stores will occupy 25 ft. on the Irving St. frontage, leaving one store to be leased.
On Ninth Ave., S. L. Fromholz has leased space for a barber and beauty shop.

Contract Awarded.
STORE Cost, \$13,000
SAN FRANCISCO. 707 Clement St.
One-story and basement frame and stucco store.
Owner—F. W. Woolworth, Financial Center Bldg.
Architect—Eng. Dept. of Owners.
Contractor—MacDonald & Kahn, Financial Center Bldg.

Plans To Be Prepared.
ALTERATIONS Cost, \$—
SAN JOSE, Santa Clara Co., Cal. E South-First St., bet. San Fernando and San Antonio Sts.
Alterations and additions to two-story building.
Owner—Zukors, Inc., Market St. near Fifth St., San Francisco.
Architect—Not Selected.
Nathan Steinberg (Zukor's Store, San Francisco), will be in charge of new building.

Contracts Awarded.
RESTAURANT Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal. Fair Grounds.
One-story brick restaurant (150x40-ft.; structural steel frame to support tile roof).
Owner—State of California.
Architect—George B. McDougall State Architect, Public Works Building, Sacramento.

General Work
Guth & Fox, 1516 27th St., Sacramento.....\$18,626
Electrical Work
Latourette-Pical Co., 907 Front St., Sacramento.....\$1,132
Plumbing and Ventilating
Latourette-Pical Co., 907 Front St., Sacramento.....\$1,853

Site Purchased.
BANK Cost, \$—
SAN FRANCISCO. N Ocean Ave.,
Bet. Lakewood and Manor Drive.
Fireproof bank (height and type of
construction not decided).
Owner—San Francisco Bank, 526
California St., San Francisco.
Architect—Not Selected.
Proposed project is in a preliminary
stage.

Revised Plans Being Completed.
STORE Cost, \$150,000
OAKLAND, Alameda Co., Calif. 20th
St. and Broadway.
Three-story class A store.
Owner—I. Magnin & Co., Grant Ave.
and Geary St., San Francisco.
Architect—Weeks & Day, Financial
Center Bldg., San Francisco.
New bids will be taken in about 2
weeks.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$17,000
SAN FRANCISCO. No. 653 Mission
Street.
Alterations to offices.
Owner—Owl Drug Co., 511 Mission St.,
San Francisco.
Plans by Mr. Duval.
Contractor—Edwin A. Duval, Dalziel
Bldg., Oakland.
Cabinet Work—Lanom Bros. Mfg. Co.,
Fifth and Magnolia Sts., Oakland.
Painting and Decorating—Gurnette &
Chandler, 51 Beaver St., S. F.
Electric Work—Chas. A. Langlais, 472
Tehama St., San Francisco.
Tile—Scott Co., 243 Minna St., San
Francisco.
Plumbing and Heating—C. Petersen
Co., 390 6th St., San Francisco.

Additional Sub-Contracts Awarded.
BUILDING Cost, \$400,000
SAN FRANCISCO. Sansome St. and
Merchant St.
Eight-story and basement Class A re-
inforced concrete building
Owner—California Ink Co.
Architect—Willis Polk & Co., 227 Pine
St., San Francisco.
Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco.
Elevators—Spencer Elevator Co., 166
Seventh St., San Francisco.
Reinforcing Steel—Pacific Coast Steel
Co., 111 Sutter St., San Francisco
Ornamental Iron—Michel & Pfeffer
Iron Works, Harrison and Tenth
St., San Francisco.

As previously reported steel sash
awarded to Michel & Pfeffer Iron
Works; lumber to San Francisco
Lumber Co., Foot of Mason St., S. F.;
piling to M. B. McGowan, 74 New
Montgomery St., S. F.; excavating to
Sibley Grading & Teaming Co., 165
Landers St., S. F.; wrecking to Cali-
fornia Wrecking Co., 666 Mission St.,
San Francisco.

Contract Awarded.
ALTERATIONS Cost, \$12,000
FRESNO, Fresno Co., Cal. No. 1041
Fulton Street.
Alterations and additions to present
building.
Owner—Fresno Guarantee Bldg. &
Loan Assn., 1041 Fulton St.,
Fresno.
Architect—Fisher & Lake, Pacific
Southwest Bldg., Fresno.
Contractor—Fisher & Lake, Pacific
Southwest Bldg., Fresno.

Sub-Contracts Awarded.
ADDITION Cost, \$18,000
OAKLAND, Alameda Co., Cal. No.
674 Twenty-third Street.
Three-story concrete addition to bldg.
Owner and Builder—C. S. Booth, 375
Euclid Ave., Oakland.
Architect—None.

Concrete—Pacific Coast Aggregates,
Inc., 111 Sutter St., San Francisco
Reinforcing Steel—Pacific Coast Steel
Co., U. C. Campus, Berkeley.

Contract Awarded.
ADDITION Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.
Willow and Lick Streets.
Class C addition to store and resi-
dence.
Owner—A. Badalamente, 1003 Lick
St., San Jose.
Architect—None.
Contractor—V. R. Caminetti, 975 Vino
St., San Jose.

Contract Awarded.
FILM EXCHANGE Cost, \$175,000
PORTLAND, Ore. 19th and Kearney
Streets.
Two-story 100x150-ft. concrete and
heavy mill construction film ex-
change building.
Owner—Commonwealth Corp., Port-
land.
Architect—Edmund Bidwell, % Com-
monwealth Corp., Portland.
Contractor—L. H. Hoffman, Public
Service Bldg., Portland.

Sub-Bids Being Taken.
ALTERATIONS Cost, \$1500
SAN FRANCISCO. Ocean Ave. and
Miramar Street.
Remodel interior of two-story frame
and stucco drug store and apart-
ments.
Owner and Builder—A. J. Herzig, 635
Victoria St., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San
Francisco.

Bids Opened.
RESTAURANT Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal.
Fair Grounds.
One-story brick restaurant (150x40-ft.)
(structural steel frame to support
tile roof).
Owner—State of California.
Architect—Geo. B. McDougall, State
Architect, Public Works Building,
Sacramento.
Following is a complete list of bids:
General Work
Guth & Fox, Sacramento.....\$18,626
Wm. C. Keating, Sacramento.....19,875
W. L. Chatterton, Sacramento.....19,999
C. J. Hopkinson, Sacramento.....20,749
T. B. Hunt, Sacramento.....20,795
Wm. Murrell, Sacramento.....21,296
George W. Kopp, Sacramento.....21,885
Mathews Const. Co., Sacto.....22,223
M. R. Petersen, Sacramento.....22,687
Engineer's estimate.....21,627

Electrical Work
Latourrette-Fical Co., 907 Front
St., Sacramento.....\$1,132
Scott Plumbing & Electric Co.,
Sacramento.....1,197
Reliable Electric Works, Sacto.....1,200
Luppen & Hawley, Sacramento.....1,207
J. W. Thomas, Sacramento.....1,322
Engineer's estimate.....1,260
Plumbing and Ventilating
Latourrette-Fical Co., 907 Front
St., Sacramento.....\$1,853
H. L. Dallman, Sacramento.....2,162
F. A. McIntyre, Sacramento.....2,209
Luppen & Hawley, Sacramento.....2,321
Scott Plumbing and Electric Co.,
Sacramento.....2,387
Hately & Hately, Sacramento.....2,757
Engineer's estimate.....2,501
Bids held under advisement.

Completing Plans.
STORES Cost, \$30,000
SAN FRANCISCO. NE 9th Ave. and
Irving St.
One- and part 2-story frame and stuc-
co stores and offices (4 stores).
Owner—Wobber Bros., 412 Jessie St.
Architect—Albert Schroeffer, 14 Mont-
gomery St.
Bids will be taken in one week. The
corner store has been leased to Frank
Dessel, druggist, who has been a ten-

ant on this corner for 16 years. Safe-
way Stores will occupy 25 ft. on the
Irving St. frontage, leaving one store
to be leased.

On Ninth Ave., S. L. Fromholz has
leased space for a barber and beauty
shop.

Additional Sub-Contracts Awarded.
OFFICES Cost, \$100,000
SAN FRANCISCO. Third and Steven-
son Streets.
Seven-story Class C concrete office
building.
Owner—Pacific States Auxiliary Corp.
Architect—Albert F. Roller, Crocker
First National Bank Bldg., S. F.
Engineer—H. J. Brunner, Sharon
Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco.
Tile—Mangrum-Holbrook Co., 1235
Mission St., San Francisco.
Terrazzo Floors—California Terrazzo
& Marble Co., 2085 San Bruno
Ave., San Francisco.
Mill Work—Anderson Bros. Planing
Mill Co., Quint & Custer Sts., San
Francisco.
Kalamein Doors—Capitol Art Metal
Co., 1028 Howard St., San Fran-
cisco.
As previously reported, steel forms
awarded to Soule Steel Co., Rialto
Bldg., S. F. electric work to Cali-
fornia Elec. Constr. Co., 639 Mission St.,
S. F.; concrete to Golden Gate Atlas
Material Co., 16th and Harrison Sts.,
S. F.; steel pan forms to Soule Steel
Co., Rialto Bldg., S. F.

THEATRES

Plans Being Prepared.
THEATRE Cost, \$100,000
SIERRA MADRE, Los Angeles Co.
Reinforced concrete theatre (to seat
1500).
Owner—Nicholas I. Rhodes, 1500 N.
Vermont Ave., Los Angeles.
Architect—None.

Plans Being Figured.
REMODELING Cost, \$—
VALLEJO, Solano Co., Cal.
Remodel theatre building.
Owner—Fox-West Coast Service Corp.,
Washington and Vermont Streets,
Los Angeles.
Architect—Balch and Stanbery, Film
Exchange Bldg., Los Angeles.
Work will include remodeling the
fronts, interior alterations, painting
and decorating, etc. The estimated
cost is \$20,000 each. Elmer C. Hanks,
Loew's Warfield Bldg., San Francisco,
will be in charge of the construction.
Plans available from him. Plans are
being completed on the second the-
atre and bids will be called for short-
ly.

Sub-Contracts Awarded.
ALTERATIONS Cost, \$35,000
HOLLISTER, San Benito Co., Cal.
Alterations and additions to theatre.
Owner—Opal Theatre.
Architect—Clausen & Amandes,
Hearst Bldg., San Francisco.
Contractor—Alfred Hooper, 1769 Pleas-
ant Ave., Oakland.
Lumber—Homer T. Hayward Lumber
Co., Hollister.
Structural Steel—California Steel Co.,
Second & Harrison Sts., Oakland
Erection of Structural Steel—J. T.
Walsh, 608 Woodland St., Oak-
land.
Plumbing and Sheet Metal—Brown &
Chappell, Hollister.
Steel Sash—Truscon Steel Co., Call
Bldg., San Francisco.
Sub-bids are wanted on roofing,
plastering, glass and glazing, metal
display frames, tile work and orna-
mental iron.

Contract Awarded.

THEATRE Cost, \$60,000
AUBURN, Placer Co., Cal.
 Two-story reinforced concrete theatre, offices and stores (seat 1200).
 Owner—Auburn Amusement Co.
 Architect—Rudolph Falkenrath Jr., 611 Chamber of Commerce Bldg., Los Angeles
 Contractor—Salih Bros., Quinby Bros. Los Angeles.

There will be stores on the main floor and offices on the second floor. Plans call for reinforced concrete construction, steel trusses, composition roofing, stucco facing, art stone trim, plate glass, cement and hardwood floors, steam heat, ventilating system, etc. Construction will start next week.

Preliminary Estimates Being Taken.

OPERA HOUSE Cost, \$1,500,000
SAN FRANCISCO. Block bounded by Van Ness Ave., Franklin, Grove and Fulton Sts.
 Six-story class A opera house, seating capacity, 4000; stand room, 500.
 Owner—City and County of San Francisco (S. F. War Memorial).
 Architect—G. A. Lansburgh 140 Montgomery St. and Arthur Brown, 251 Kearny St.

Sub-Contracts Awarded.

ALTERATIONS Cost, \$—
MONTEREY, Monterey Co., Cal.
 Golden State Theatre.
 Extensive alterations to balcony of theatre.
 Owner—Golden Gate Theatre.
 Architect—None.
 Contractor—Alfred J. Hopper, 1769 Pleasant Valley Ave., Oakland.
Lumber and Mill Work—Work Lumber Co., Monterey.
Steel Work—California Steel Co., 2nd and Harrison Sts., Oakland.
Erection of Steel Work—J. T. Walsh, 608 Woodland St., Oakland.
Plastering—W. N. Ingram, Monterey.

Bids Received—New Bids Being Taken
ART GALLERY \$50,000 available
STOCKTON, San Joaquin Co., Calif.
 Victory Park.
 Haggin Memorial Museum and Art Gallery.

Owner—San Joaquin Pioneer and Historical Society (Donation of Mrs. Ella McKee).
 Architect—W. J. Wright, Mail Bldg., Stockton.

Consulting Architect—Lewis P. Hobart, Crocker Bldg., San Francisco
 Following is a complete list of bids:

General Work
 W. J. Scott, 1661 W. Poplar St., \$50,990
 E. H. Riley, Stockton, \$3,455
 J. Cavanaugh, Stockton, \$4,100
 J. A. Allen, Stockton, \$6,100
 J. F. Shepherd, Stockton, \$9,750

Heating
 Pahl-Harry Co., 427 E Channel St., Stockton, \$5,389
 Mills-Hays Co., Stockton, \$5,435
 J. Black, Stockton, \$5,470

Plans will not be revised and bids are now being taken from all contractors. Under the previous call bids were taken from a selected list of contractors.

Bids Opened.
BEACONS, ETC. Cost, \$—
SAN FRANCISCO.

Installation of beacons and construction of safety zone stations.
 Owner—City and County of San Francisco.
 Architect—Bureau of Engineering, Department of Public Works, Third Floor, City Hall.

(a) beacons; (b) concrete safety zone and beacon combined.
 R. Flatland(a) \$305; (b) \$461
 G. A. Love(a) \$318; (b) \$498
 D. J. Clancy(a) \$340; (b) \$550

Construction involves the installation of three beacons, complete, on existing concrete and stone safety zones and for the construction of one safety zone and installation of one beacon.

PITTSBURG, Contra Costa Co., Cal.—T. A. Jackson, Joseph J. Aiello and D. F. Minney, all of Pittsburg, are completing negotiations for the purchase of the Sino-Linschold Tract one mile south of the Southern Pacific depot for sub-division purposes. Tract comprises about 50 acres which will be improved with paved streets, sewers, electric, gas and water services.

Contract Awarded.
ADDITION Cost, \$—
CLEARWATER, Los Angeles Co., Cal
 Reinforced concrete and structural steel radio station addition.
 Owner—Mackay Radio & Telegraph Corp.

Architect—None.
 Contractor—Greppin Engineering Co., 9507 S. Figueroa St., Los Angeles
 Sub-bids are wanted on reinforced concrete work, structural steel, steel trench covers, hollow tile, plastering and stucco, electrical work, painting, copper gutters and down drains, 8-inch cement floor, roof trusses and five-ply roofing.

Sub-Contracts Awarded.
REPAIRS Cont. price, \$26,456
SAN FRANCISCO, Marina District.
 Repairs to Palace of Fine Arts.
 Owner—City and County of San Francisco (Park Commission, B. P. Lamb, secretary).
 Engineer—Henry D. Dewell, 55 New Montgomery St.
 Contractor—Monson Bros., 375 6th St.
Roofing—Alta Roofing Co., 976 Indiana Street.
Reinforcing Steel—Gunn, Carle & Co., 444 Market St.

Bids Opened.
FIELD HOUSE Cost, \$—
SAN FRANCISCO. Portola Playground, Felton and Hamilton Sts.
 One-story playground field house (steel frame, wood and plaster construction).

Owner—City and County of San Francisco (Playground Commission).
 Architect—Gardner Dailey, Room 610, 425 Mason St.

Following is a complete list of bids:
 Jacks & Irvine, 74 New Montgomery St.\$64,126
 Spivock & Spivock, S. F. 64,490
 F. J. Reilly, S. F. 65,322
 F. W. Cobby & Son, S. F. 66,150
 W. J. La Voie, S. F. 66,283
 Vogt & Davidson, S. F. 67,437
 J. H. Johnson, S. F. 67,539
 Barrett & Hilp, S. F. 67,927
 Anderson & Ringrose, S. F. 68,495
 Clinton Const. Co., S. F. 69,440
 J. A. Grant, S. F. 69,757
 C. G. W. Haun, S. F. 71,595
 Mission Concrete Co., S. F. 72,751
 Bids held under advisement.

EUREKA, Humboldt Co., Cal.—Until June 10, bids will be received by Fred M. Kay, county clerk, to paint buildings in block between I and J, 5th and 6th Sts. Specifications on file in office of clerk.

Plans To Be Prepared.
DEPOT Cost, \$—
VALLEJO, Solano Co., Cal. NE
 York and Sonoma Streets.
 Modern stage depot.
 Owner—Pickwick Stages, Fifth and Mission Sts., San Francisco.
 Architect—Not Selected.
 Project is in a very preliminary stage.

TULARE, Tulare Co., Cal.—Tulare 20-30 Club has appointed a committee to secure preliminary estimates of cost in connection with the proposed community natatorium. Committee consists of Louis Sweet, Malcolm Nelson and Ray Taylor. Headquarters of the club are located in the Hotel Tulare.

Funds To Finance Appropriated.
ALTERATIONS \$12,000 Appropriated
MODESTO, Stanislaus Co., Cal.
 Remodel and minor additions to City Hall.
 Owner—City of Modesto, H. E. Gragg, City Clerk.
 Architect—Not Stated.

Plans Being Completed.
DEPOT Cost, \$28,000
RENO, Nevada. East Fourth St.
 One or two-story brick freight depot (36x100 ft.)
 Owner—Western Pacific Railroad Co., Mills Bldg., San Francisco.
 Architect—Eng. Dept. of Owner
 Will be covered platform, 35 by 70 feet, and an open platform 16 by 70 feet. The foundations and floor of the warehouse will be concrete. There will be an incline approach to the north end of the building.
 Plans will be ready for bids in 30 days.

BUSINESS OPPORTUNITIES

Mr. G. R. Finney, Director of Sales, Ride-Easy Seat Co., 632 First Wisconsin National Bank Bldg., Milwaukee, Wis., manufacturers of a new spring cushion for heavy trucks anxious to market their products thru well-established sales organization.
 Mr. Fred L. Anderson, B. C. Metal Stamping Co., 327 Langston St., San Francisco, manufacturers of a metal decoy desire to secure a jobber located in the Chicago territory to handle their product.

WHARVES AND DOCKS

LONG BEACH, Cal.—City defeats proposal to issue bonds of \$300,000 to finance construction of a navy landing pier.

MISCELLANEOUS CONSTRUCTION

Contracts Awarded.
SWIMMING POOL Cost, \$20,000
SAN LEANDRO, Alameda Co., Cal
 At Roosevelt Grammar School in Dowling Blvd.
 Concrete swimming pool, 60x120 ft.
 Owner—City of San Leandro (Donation of Henrietta Farrell, dec'd).
 Engineer—Merrill Guitwitz, Assistant City Engineer, San Leandro.
General Work—Chester A. Gossett, San Leandro, at \$14,950.
Heating—Carl T. Doell, 467 21st St., Oakland, at \$5142.

Surveys Being Made.

JAIL FARM Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
 Milpitas.
 County jail farm.
 Owner—County of Santa Clara, Henry A. Pfister, County Clerk.
 Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.

The project will be of the "prison farm" type where prisoners will be required to work and rehabilitate themselves. Estimates of cost for the buildings, equipment and land necessary for the project are now being prepared.

Engineering News Section

BRIDGES

NEVADA COUNTY, Cal.—Until June 11, 2 P. M., bids will be received by State Highway Commission, Sacramento, to construct overhead crossing over tracks of S. P. R. R. near Yuba Pass consisting of one 112-ft. deck plate girder span, one 66-ft. deck plate girder span, one 54-ft. deck plate girder span, all on concrete piers, and 279 lin. ft. timber trestle approach on framed bents and rubble masonry abutments.

See call for bids under official proposal section this issue.

NEVADA COUNTY, Cal.—Until June 11, 2 P. M., bids will be received by State Highway Commission, Sacramento, to construct reinforced girder bridge across South Fork of Yuba River near Indian Springs consisting of one 70-ft. span and one 30-ft. span on concrete pier and concrete abutments with wing walls.

See call for bids under official proposal section this issue.

AMADOR-EL DORADO COUNTIES, Cal.—Until June 11, 2 P. M., bids will be received by State Highway Commission, Sacramento, to construct timber bridge across Cosumnes River about 10 miles south of El Dorado consisting of one 120-ft. through truss span on concrete piers and nine 19-ft. approach spans on frame bents with concrete pedestals, and approx. 0.14 mile of roadway to be graded and surfaced with untreated crushed gravel or stone.

See call for bids under official proposal section, this issue.

EUREKA, Humboldt Co., Calif.—Henry Padgett, Eureka, at \$4,418 awarded contract by county supervisors to construct culvert over Quill Slough.

VALLEJO, Solano Co., Cal.—City council has approved plans of the San Francisco, Napa and Calistoga Railroad for the proposed new Sacramento street steel and concrete overhead crossing. It will be 93 ft. long and 40 ft. wide. The plans will be submitted to the State Railroad Commission for approval. The project will be financed by the R. R.

Contract Awarded.
TRESTLE Cost, \$10,000
SAN FRANCISCO. Beach St. between Hyde and Leavenworth Sts.
Reconstruct trestle.
Owner—California Packing Corp., 101 California St.
Architect—None.
Contractor—Eaton & Smith, 715 Ocean Avenue.

VALLEJO, Solano Co., Cal.—Until May 26, 11 A. M., bids will be received by Alf. E. Edgumbe, city clerk, to construct Sacramento street overhead crossing, over tracks of the San Francisco, Napa and Calistoga Railway. Certified check 10% payable to city required with bid. Plans on file in office of clerk. T. D. Kilkeny is city engineer.

LOS ANGELES, Cal.—Merrill Butler, chief bridge engineer, city hall,

reports that construction of the Sixth Street Viaduct will probably start soon after the first of the next year. This bridge will have a total length of 3600 ft. with a width of 56 ft. between curbs at each end and 46 ft. between curbs in the center portion. It will comprise 42 reinforced concrete spans. Eight of the footings, including three river footings, will be built in connection with the Sixth Street Undercrossing, for which bids are being received by the Board of Public Works June 11.

SAN CARLOS, San Mateo Co., Cal.—City trustees set June 3 as date to vote bonds of \$14,000 to finance construction of five culverts, four along Pulgas Creek and one in Cordilleras Creek.

NEVADA COUNTY, Calif.—As previously reported, bids will be received June 11 by State Highway Commission to construct reinf. conc. girder bridge over South Fork of the Yuba river near Indian Springs, consisting of one 70-ft. span and one 30-ft. span on a concrete pier and concrete abutments with wing walls. Project involves 175 cu. yds. struc. excav.; 145 cu. yds. class B cem. conc.; 260 cu. yds. class A do.; 11 cu. yds. class E do.; 54,000 lbs. reinf. steel; 2000 lbs. cast steel (rockers and bearings); 1 lot misc. items of work.

NEVADA COUNTY, Calif.—As previously reported, bids will be received June 11 by State Highway Commission to construct overhead crossing over tracks of S. P. Ry. at Yuba Pass, consisting of one 112-ft. deck plate girder span, one 66-ft. deck plate girder span, one 54-ft. deck plate girder span, all on concrete piers, and 279-lin. ft. timber trestle approach on framed bents and rubble masonry abutments. Project involves: 1175 cu. yds. struc. excav.; 475 cu. yds. class B cement concrete; 375 cu. yds. class A do. (struc.); 127 cu. yds. class A do. (pave). 57,000 lbs. reinf. steel; 270,000 lbs. struc. steel; 6000 lbs. cast steel (bearings and rockers); 60 M. ft. b.m. redwood timber, dense select all-heart struc.; 45 M. ft. b.m. redwood timber select all-heart struc.; 120 cu. yds. rubble masonry; 1 lot misc. items of work.

AMADOR & EL DORADO COUNTIES, Cal.—As previously reported, bids will be received June 11 by State Highway Commission to construct timber bridge over Cosumnes river, 10 miles south of El Dorado, consisting of one 120-ft. through truss span on concrete piers and nine 19-ft. approach spans on frame bents with concrete pedestals, and approx. 0.14 miles of roadway to be graded and surfaced with untreated crushed gravel or stone. Project involves: 1300 cu. yds. rdwy. excav. without class; 2400 sta. yds. overhead; 390 cu. yds. hand placed fill; 265 cu. yds. untreated crushed gravel or stone surf.; 22 M. gals. water for surfacing; 8 sta. finish rdwy.; 1 boulder to be removed; 350 cu. yds. struc. excav.; 210 cu. yds. class A cem. conc.; 42 cu. yds. class B do.; 6500 lbs. reinf. steel; 14,000 lbs. struc. metal; 7250 lbs. steel castings; 129 M. ft. b.m. Douglas fir timber, select struc. grade; 37 cu. yds. broken stone (bitum. mac. surf.); 4 tons as-

phaltic road oil; 26 lin. ft. clean and relay corrug. metal pipe; 29 lin. ft. 12-in. corrug. metal pipe; remove 1 existing bridge; 1 lot misc. items of work.

State will furnish untreated crushed gravel or stone for surfacing and corrugated metal pipe

SAN JOSE, Santa Clara Co., Calif.—Until June 16, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to construct reinforced concrete bridge on Penetencia Creek Road in Supervisor District No. 3. Plans obtainable from County Surveyor Robt. Chandler.

SAN JOSE, Santa Clara Co., Calif.—Until June 16, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to construct reinforced concrete bridge on Bloomfield Ave. over Canadadero Creek in Supervisor District No. 1. Plans obtainable from County Surveyor Robt. Chandler.

SAN JOAQUIN CO., Cal.—Following bids received May 21 by State Highway Commission to construct bridge over Mokelumne river near Lodi, consisting of three 54-ft. reinforced concrete girder spans on concrete piers with pile foundations, and thirty 19-ft. timber approach spans with concrete deck on pile bents:

J. S. Metzger & Son, Stockton and Los Angeles.....	\$ 84,379
Jacobs & Pattian, Oakland.....	88,703
Frederickson & Watson Const. Co., Oakland.....	89,297
Ward Eng. Co., San Francisco.....	92,552
Lord & Bishop, Sacramento.....	94,822
Rocca & Coletti, San Rafael.....	95,372
M. B. McGowan, San Francisco.....	96,644
Rutte Const. Co., S. F.....	102,249
Utah Const. Co., S. F.....	103,732
Bodenhamer Const. Co., San Diego.....	105,201
Mathews Const. Co., Sacto.....	110,024
Healy-Tibbitts Const. Co., San Francisco.....	110,781
A. W. Kitchen, San Francisco.....	113,509

EUREKA, Humboldt Co., Cal.—Following bids taken under advisement by county supervisors to construct reinforced concrete bridge over South Fork of Eel River at Redway: Henry Padgett, Eureka, bridge, \$37,292; fills at 70 cents per cubic yd. Hirshbach & Sciarrino, San Jose, bridge, \$35,127; fills, \$4987.50; total, \$40,124.50.

W. L. Proctor, Santa Rosa, bridge proper, \$37,070; fills, \$4702; total, \$41,772.

F. J. Maurer & Son, Eureka, bridge, \$38,685; fills, \$4332; total, \$43,017. Thomas Englehart, Eureka, bridge, \$40,277; fills, \$3135; total, \$43,412. Smith Bros. Co., Eureka, bridge, \$43,195; fills, \$6783; total, \$49,978.

Argument arose when Henry Padgett explained that his bid of \$37,292 covered the total figure, and that he did not figure the fill work as part of the total. The two low bids were referred to the district attorney's office for a decision.

LOS ANGELES, Cal.—E. G. Perham, 1125 Stearns Dr., Los Angeles, at \$22,560 awarded contract by county supervisors to construct wooden truss bridge in Washington St. over San Gabriel river.

DREDGING, HARBOR WORKS & EXCAVATIONS

SALINAS, Monterey Co., Cal.—Until June 2, 10 A. M., bids will be received by C. F. Joy, county clerk, to construct bridge over Salinas river, 2 miles from Gonzales in Supervisor District No. 2; steel and concrete construction; 24-ft. roadway; estimated cost \$100,000. Plans obtainable from County Surveyor Howard Cozens.

SALINAS, Monterey Co., Cal.—Until June 2, 10 A. M., bids will be received by C. F. Joy, county clerk, to construct two reinf. concrete bridges on Pacific Grove-Carmel road in Supervisor District No. 5. Plans obtainable from County Surveyor Howard Cozens.

OLYMPIA, Wash.—Until June 24, 10 A. M., bids will be received by State Highway Commission to construct steel super-structure of the \$4,500,000 Aurora Ave. bridge in Seattle, involving: 6,900,000 lbs. carbon structural steel; 8,100,000 lbs. silicon structural steel; 450,000 lbs. castings; 1,000,000 lbs. reinforcing steel; 4,220 lin. ft. metal railing, and other items.

Bids for the construction of the north and south approach piers and two concrete girder piers in connection with this project will be opened by the commission on June 3.

Plans are obtainable from the commission offices at Olympia.

COLUSA-GLENN COUNTIES, Cal.—Lilly, Willard & Blassotti, Stockton, at \$6,421.50 awarded contract by State Highway Commission to construct drainage ditch between Hunter's Creek and $\frac{1}{2}$ mile north of Glenn-Colusa boundary.

SAN FRANCISCO.—Until May 28, 3 P. M., under Order No. 1882, bids will be received by U. S. Engineer Office, California Fruit Bldg., Sacramento, to furnish, deliver and place rip-rap stone along the Sacramento river in the vicinity of Rio Vista, Solano County. Further information obtainable from above office.

STREET LIGHTING SYSTEMS

OAKLAND, Cal.—Butte Electric & Manufacturing Co., 956 Folsom Street, San Francisco, at \$6,238 submitted low bid to city council to install electro-light system in 17th St. bet. Harrison St. and San Pablo Ave. Complete list of bids, all taken under advisement, follows:

Butte Elec. & Mfg. Co., S. F.	\$6233
W. Nelson-High Chick, 2055 Center St., Berkeley	6700
H. C. Reid & Co., 389 Clementina St., San Francisco	7186
Walker, Martin & Montgomery, 3607 Midvale Ave., Oakland	7255
R. Flatland, 1899 Mission Street, San Francisco	9235

SAN FRANCISCO—E. J. Treacy, Cal Bldg., at \$16,280 submitted low bid to Board of Public Works, to install ornamental street lighting system in Hyde street between Market and California Sts. Complete list of bids follows:

E. J. Treacy	\$16,280
P. Grassl	16,287
C. E. Burgess	16,930
R. Flatland	17,050
Alta Electric Co.	17,090
C. L. Harney	19,324
Butte Elec. & Mfg. Co.	19,700
H. C. Reid Co.	19,900

MACHINERY AND EQUIPMENT

KING CITY, Monterey Co., Cal.—Until June 4, 8 P. M., bids will be received by J. A. Wasson, city clerk, to furnish and deliver one light truck with steel dump body for City Street Department. Certified check 10% required with bid. Specifications on file in office of clerk.

ELK GROVE, Sacramento Co., Cal.—Until June 9, 8 P. M., bids will be received by Phil E. Smith, clerk, Elk Grove Union High School District.

(a) to furnish one 3-ton truck chassis (Dodge Bros. or equal);

(b) to furnish one 50-passenger school bus body on Dodge Bros. 3-ton chassis, or equal.

Certified check 10% payable to Board of Trustees of district required with bid. Specifications obtainable from clerk.

KINGSBURG, Fresno Co., Cal.—Until June 10, 8:30 P. M., bids will be received by Kingsburg Joint Union School District to furnish and deliver one $\frac{1}{2}$ -ton bus chassis to properly mount a 55- to 65-passenger body; also one 55- to 65-passenger bus body to be mounted on above chassis. Total cost not to exceed \$2,400. Allowance may be made for 1913 Garford bus now owned by the district.

SACRAMENTO, Cal.—Until May 29, 2 P. M., bids will be received by D. H. Greeley, superintendent of equipment, Shop 3, State Highway Commission, for the purchase of the following equipment, no longer required by the commission:

Asphalt Plant, Warren Bros. No. 90;	CHC 2029 Liberty 3-yd. Dump Truck, underbody hoist;
CHC 61 F.M. 4x5 PUMP and 3 H. P. F. M. Gas Engine;	
CHC 32 Gould Pyramid Pump with 3 H.P. Novo Gas Engine;	
CHC 4 Pittsburg Gas Engine 35 HP.	
CHC 1 Auto Traffic Line Marking Machine, Model B;	
CHC 80 I-R Pavement Breaker Model CC-25.	

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at 1836 34th St., Sacramento, California, from 8:30 A. M. to 4:30 P. M. on any working day.

CHUALAR, Monterey Co., Cal.—Until June 9, 8 P. M., bids will be received by Chualar Union School Dist. to furnish school bus for transportation of pupils; to be Reo 2-ton chassis, 6-cylinder, 4-wheel hydraulic brakes; 168-inch wheel base; body 54-inches high, 7-ft. 6-in. wide, 16 $\frac{1}{2}$ -ft. long, seating 43 pupils and driver. Further information obtainable from clerk of district at Chualar.

GALT, Sacramento Co., Cal.—Election will be held today (Saturday) in Galt School District to vote direct tax of \$5,500 to finance purchase of motor school busses for transportation of pupils.

FRESNO, Fresno Co., Cal.—Until June 25, 8 P. M., bids will be received by J. A. Polytress, Secretary, Washington Union High School District, to furnish and deliver:

(a) one 40-passenger bus body, to be built and mounted on chassis to be furnished by district;

(b) One 6-cylinder truck chassis, with frame extended to properly mount a 40-passenger body, dual wheels on rear.

SACRAMENTO, Cal.—Until May 29, 2 P. M., bids will be received by D. H. Greeley, superintendent of equipment, Shop 3, State Highway Commission, for the purchase of the following equipment, no longer required by the commission:

CHC 1876 F.W.D. 2-ton truck chassis only;	
CWC 2118 $\frac{3}{4}$ -ton Hand Dump Graham Truck;	
CHC 43 5-ft. Rawls Highway Mower;	
CHC 44 5-ft. Rawls Highway Mower;	
CHC 36 Killester 2 $\frac{1}{2}$ -yard Revolving Scraper;	
McCormick Deering 10-20 Tractor Eng. No. IND 32539;	
CHC 177 Spears Wells Tractor Grader equipped with	
CHC 67 10-20 McCormick Deering Tractor.	

Bidders may make offers for one or more items but must state price offered for each item. No lump sum bids will be considered.

All equipment may be inspected at the Division of Highways yards at 1832 34th St., Sacramento, California, from 8:30 A. M. to 4:30 P. M. on any working day.

SAN FRANCISCO.—Until June 2, 3 P. M., under Proposal No. 592, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and install print shop equipment for Presidio Junior High School and for Roosevelt Junior High School. Specifications and further information obtainable from above.

STOCKTON, San Joaquin Co., Cal.—County Purchasing Agent authorized to purchase a Ford truck, a paint machine and air compressor for the county highway department. Julius Manthey is county surveyor.

TOMALES, Marin Co., Cal.—Until June 10, 8 P. M., bids will be received by A. L. Cunningham, Clerk, Tomales Joint Union High School District, to furnish one new combination passenger carrying and haulage unit car of Ford Station wagon type; to have side entrance; standard chassis; curtains opening with doors. Allowance to be made for Studebaker no longer required by the district.

GALT, Sacramento Co., Cal.—Galt School District defeats proposal to issue bonds of \$5500 to finance purchase of and maintenance of school busses issue defeated by vote of 140 to 44.

RAILROADS

PORTLAND, Oregon.—Hauser Const. Co., at approximately \$200,000 awarded contract by Oregon Electric Railway for clearing, grading, grubbing and bridging the first section of the extension east of Lebanon. The section between Lebanon and Albany is covered by a joint operating contract under which the Oregon Electric will use the Southern Pacific's existing tracks.

LOS ANGELES, Cal.—Hauser Construction Co., Inc., Securities Bldg., Los Angeles, at \$117,500 awarded contract by county supervisors to lay r. track and furnish and place rip-rap on levees of Los Angeles river, involving 7000 ft. r. r. work; 42,000 tons rock rip-rap on west levee facing and 23,000 tons on east levee facing.

FIRE ALARM SYSTEMS

SAN BRUNO, San Mateo Co., Cal.—City trustees contemplate purchase of a new fire truck for the Volunteer Fire Department.

FIRE EQUIPMENT

BERKELEY, Alameda Co., Cal.—Mack Truck Co. at \$13,571 submitted only bid to city council to furnish combination pumper and hose truck for fire department. Bids referred to City Manager John N. Edy for report.

RESERVOIRS AND DAMS

SAN DIEGO, Cal.—The citizens' committee has petitioned the city council to start construction immediately on the El Capitan dam on the San Diego River. About \$3,500,000 of bond money is available.

SACRAMENTO, Cal.—State Engineer Edward Hyatt has proposed that three dams be built on the American River as part of the statewide water conservation and power development program for 1931. The three dams, which are estimated to cost \$45,550,000, would be built at Folsom, Coloma, and Auburn. The Folsom dam would have a storage capacity of 350,000 acre feet, the other two 100,000 acre feet each.

PIPE LINES, WELLS, ETC.

SAN FRANCISCO—State Railroad Commission has approved an agreement between the Standard Oil Company of California and the Pacific Gas & Electric Company to construct a joint pipe line for the transportation of natural gas between the Kettleman oil fields and Richmond in Contra Costa County. The pipe line will be constructed at an approximate cost of \$9,000,000. It will have a daily delivery capacity of 135,000,000 cubic feet of gas without compression or 180,000,000 cubic feet with compression. A new corporation to be known as the Standard-Pacific Gas Line, Inc., will be formed to build the line.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN FRANCISCO.—MacDonald and Kahn, Financial Center Bldg., at \$93,002 submitted low bid to Board of Public Works to construct Section D of the Fillmore St. sewer, involving: 2,638 lin. ft. 6 ft. 6 in. circular reinf. conc. sewer; 115 lin. ft. 3 ft. by 4 ft. 6 in. reinf. conc. sewer; 111 lin. ft. 2 ft. 6 in. by 3 ft. 9 in. reinf. conc. sewer; 10 lin. ft. by 5 ft. brick sewer; 25 lin. ft. 21-in. and 35 lin. ft. 15-in. V.C.P. sewer; 90 lin. ft. 10-in. V.C.P. culvert connection; 15 manholes on reinf. conc. sewer; 2 manholes on existing V.C.P. sewers; 3 manholes on existing brick sewers; 1 taper connection of reinf. conc. Alter-

ations of auxiliary water supply pipe (in lump sum bid) involving: 215 lin. ft. 12-in. V.C.P. underdrain, 430 ft. 10-in. do, 850 ft. 8-in. do, and 1710 ft. 6-in. do, all covered with concrete or imbedded in broken rock. Complete list of bids follows:

MacDonald & Kahn	\$ 93,002
Clinton Const. Co.	95,184
C. C. W. Hahn	95,755
Peter McHugh	108,651
E. J. Treacy	110,008

RENO, Nevada.—Bids will be asked shortly by city council to construct sewage disposal plant; estimated cost \$300,000. C. C. Kennedy, engineer, Cal. Bldg., San Francisco.

SAN FRANCISCO.—MacDonald and Kahn, Financial Center Bldg., at \$75,976 awarded contract by Board of Public Works to construct Section C of the Fillmore Street Main Sewer.

LIVERMORE, Alameda Co., Cal.—John Pestana, 1232 35th Ave., Oakland, at \$1,022.64 awarded contract by city trustees to construct 866 lin. ft. 6-in. sewer in North 1st St. bet. Railroad Ave. and Junction Ave. Complete list of bids follows:

John Pestana, Oakland	\$1,022
M. J. McGuire, Oakland	1,087
M. Gonzales, Oakland	1,189
Ajax Const. Co., Oakland	1,313
Martin Murphy	1,350
Oakland Sewer Const. Co.	1,393
DeGolyer & Bruce, Oakland	1,437
Geo. French, Jr., Stockton	1,455
Fred Meyers, Richmond	1,670
T. E. Clinch, Richmond	1,636
R. B. McNair, Oakland	1,993

SANGER, Fresno Co., Cal.—Trustees rescind award of contract to Sanger Plumbing House to construct extension to sewer system and the work indefinitely postponed.

DAVIS, Yolo Co., Calif.—Oakland Const. Co., 755 60th St., Oakland, at (a) stucco finish for buildings and sewers, \$8,800; (b) for corrugated iron building finish with sewers, \$8,700, submitted low bid to city trustees to construct sewer from State Highway south for a distance of 3,000 ft. and construct two sumps together with pumping apparatus and equipment for such sumps. Other bids follow:

DeGolia and Bruce, Piedmont, (a)	\$; (b) \$9,889.
A. F. Anderson, Oakland (a)	\$10,635; (b) \$10,505.
J. F. Klinch, Richmond (a)	\$10,772; (b) \$10,572.
P. & H. Const. Co., (a)	\$10,850; (b) \$10,750.
P. L. Burr, San Francisco, (a)	\$11,323; (b) \$11,098.
Frederickson & Watson, Oakland, (a)	\$11,750; (b) \$11,450.
C. B. Cowden, San Francisco, (a)	\$12,300; (b) \$11,975.
J. W. Terrill, Sacramento, (a)	\$13,051; (b) \$12,801.

Bids taken under advisement until May 26.

REDWOOD CITY, San Mateo Co., Cal.—County declare intention (22) to sewer portions of Alameda de las Pulgas; Portola Ave.; Cerrito Ave. Santiago Ave., Santa Clara Ave., Harvard St., Sequoi Ave., Belmont Ave., and Eeresford Ave., involving vitrified salt glazed sewer pipe; hydraulic cement concrete pipe; part cast iron pipe; wye branches; manholes; two 6-in. United Iron Works vertical pumps, capacity of 1000 gal. min. with appurtenances; redwood settling tank 42 ft. in dia. with concrete foundation and appurtenances; gravel sluage bed; tile drain. County Imp. Act 1921. Bond Act 1915. Hearing June 2. Elizabeth M. Kneese, county clerk. R. A. Klassen, engineer, Court House, Redwood City.

WATER WORKS

LONG BEACH, Cal.—Griffith Pipe & Supply Co., 4585 S. Alameda St., Los Angeles, submitted low bid to the city manager at \$51,555.50 for furnishing 223,930 ft. of wrought iron pipe in sizes as follows: 14-in. 2-in., 3-in., 4-in., 6-in., 8-in., and 10-in.

LONG BEACH, Cal.—City defeats proposal to issue bonds of \$4,460,000 to finance water works extensions and other municipal water system improvements.

SAN BERNARDINO, Cal.—Contracts for furnishing cast iron pipe and riveted steel pipe were awarded by the city water commission May 14 as follows:

U. S. Pipe & Foundry Co.—20,000 ft. 4-in. cast iron pipe at 43.5c ft.; 20,000 ft. 6-in. at 64.5c ft.; 1450 ft. 12-in. at \$17 ft.

American Cast Iron Pipe Co.—156 ft. 16-in. cast iron pipe at \$2,539 ft. Western Pipe & Steel Co.—7000 ft. 8-in. riveted steel pipe at 53c ft.

MODESTO, Stanislaus Co., Calif.—Until May 28, 7:30 P. M., bids will be received by H. E. Gragg, city clerk, to furnish and install one deep well, 590 or 870 r.p.m., 2000 g.p.m. turbine pump and 125-hp. vertical squirrel cage motor. Certified check 10% payable to Mayor of City required with bid Specifications obtainable from Frank Rossi, city engineer.

SAN FRANCISCO.—Fire Commission requests Finance Committee of Board of Supervisors to provide \$8,500 to finance installation of water pipes and hydrants in County Jails Nos. 2 and 3.

LOS ANGELES, Calif.—City votes bonds of \$38,800,000 to finance improvements and extensions to water system, including purchase of lands and water rights in Mono Basin and Owens Valley, construction of an 11 mile tunnel, pipe lines, storage and aqueduct extensions, improve and expand Hollywood reservoirs and extend distributing system in city limits.

STREETS AND HIGHWAYS

SAN BERNARDINO COUNTY, Cal.—C. G. Willis and Son, Inc., Los Angeles, at \$15,019 awarded contract by State Highway Commission to grade 0.8 mile at Mojave river.

MONO COUNTY, Cal.—L. C. Pulley, 1960 Alamos St., Long Beach, awarded contract by State Highway Commission: Item (1) \$3.18, and item (2) \$5.38 per bbl. for improving state highway in Mono County bet. Devil's Punch Bowl and Leevining, and at Bridgeport about 16.3 miles in length, heavy fuel oil to be furnished and applied as a dust layer.

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DEL NORTE COUNTY, Cal.—Smith Bros. Co., Eureka, at \$32,650 awarded contract by State Highway Commission to surface with untreated crushed gravel or stone, 15.2 miles bet. Smith River and Patricks Creek.

MONO COUNTY, Cal.—Leonard Pulley, 1960 Alamitos St., Long Beach, awarded contract by State Highway Commission at \$2.39 per bbl. for improving state highway in Mono County bet. the summit of Sherwin Hill and Devil's Punch Bowl, 24 miles heavy fuel oil to be applied as a dust layer.

SANTA CRUZ, Santa Cruz Co., Cal.—Granite Const. Co., Watsonville, at \$16,995.22 submitted low bid to city council (458-C) to improve portions of Windsor St., South Branciforte Ave. and Pine St., involving cement conc. pavement, curbs, sidewalks, driveway approaches, catchbasins; vit. clay pipe sewer laterals; wrought iron water pipe service, Thompson Bros., Santa Cruz, only other bidder at \$17,473.84. Taken under advisement.

SAN MATEO COUNTY, Cal.—A. J. and J. L. Fairbanks, South San Francisco, at \$108,967 submitted low bid to Joint Highway District No. 9, Room 235, City Hall, San Francisco, to grade and construct concrete structures in San Mateo County on the San Pedro Mountain Unit between Rockaway Beach and Farallone City, Section A, approximately 2.73 miles in length and Section B approximately 1.86 miles in length. Complete list of bids, all taken under advisement, follows:

A. J. & J. L. Fairbanks.....	\$108,967
F. Bryant, San Francisco.....	129,672
Granfield, Farrar & Carlin, San Francisco.....	135,885
P. L. Burr, San Francisco.....	150,710
H. W. Roni, Los Angeles.....	155,399

VISALIA, Tulare Co., Cal.—The Sequola National Park and the General Grant National Park will be available during the next twelve months approximately \$520,000. Of this amount \$150,000 will be expended for maintenance, and the balance for new road construction. The greater part of the \$370,000 will be used for construction on the "Generals Highway," connecting the two parks.

HUMBOLDT COUNTY, Calif.—Following bids received May 21 by State Highway Commission to improve 5.2 miles of highway between Loleta and two miles north of Beatrice, 2.6 miles to be graded and 5.2 miles surfaced with river run gravel:

J. P. Holland, San Francisco.....	\$51,480
E. C. Coates, Sacramento.....	59,200
C. W. Wood, Stockton.....	63,409
W. C. Colley, Berkeley.....	64,723
Geo. Pollock, Sacramento.....	69,155
Hemstreet & Bell, Marysville.....	69,698
Ingelhart Paving Co., Eureka.....	71,200
Larsen Bros., Galt.....	74,860
Jasper-Stacy Co., S. F.....	79,956

REDDING, Shasta Co., Cal.—Jack Casson, Hayward, at \$2,399 per bbl., (approx \$12,000) awarded contract by State Highway Commission for oiling 50 miles of Susanville-Reno Highway. Involves 5000 bbls. oil.

HUMBOLDT COUNTY, Cal.—J. V. Galbraith, Petaluma, at \$148,707 awarded contract by State Highway Commission to grade and pave with cement concrete, 4.3 miles between Fortuna and Loleta.

SAN FRANCISCO—Pay Improvement Co., Phelan Bldg., at \$64,757 submitted low bid to Board of Public Works, to improve Harrison Street, between 2nd and 3rd Sts., Involving

grade; concrete curbs; 12-in. vit. clay pipe sewers with wyes; side sewers; brick manholes; 1½-in. asph. concrete surface pavement, 1½-in. binder course with 8-in. class B conc. base. Complete list of bids follows:

Fay Improvement Co.....	\$64,757
C. L. Harney.....	67,746
E. J. Treacy.....	68,526
J. P. Holland.....	74,073
C. B. Eaton.....	75,608
Meyer Rosenberg.....	76,003
MacDonald & Kahn.....	96,512

SAN JOAQUIN COUNTY, Cal.—D. McDonald, Sacramento, at \$22,147 awarded contract by State Highway Commission to grade and surface with untreated crushed gravel or stone, 0.7 mi., between Lodi and ¼ mi. north of the Mokelumne river.

SAN MATEO, San Mateo Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at \$2518 awarded contract by city council for grading and paving Bell street crossings of Southern Pacific Railroad. A. G. Raisch, San Francisco, only other bidder at \$2965.

BURLINGAME, San Mateo Co., Cal.—Hanrahan Co., Standard Oil Bldg., San Francisco, at \$7520 awarded contract by city council to resurface California Dr., between Oak Grove Ave. and Broadway, etc. Other bids: A. G. Raisch, San Francisco, \$8250; Pacific States Construction Co., San Francisco, \$8448; Union Paving Co., San Francisco, \$8576.

SANTA ROSA, Sonoma Co., Cal.—Proceedings will be started at once by city council to improve Nason St., between King and Wright Streets, involving grade pave; curbs, walks, gutters. S. P. Noyes, is city engineer.

SAN MATEO, San Mateo Co., Cal.—City council rejects bids to widen North B St. (Acq. and Imp. District No. 1) and new bids will be asked. Project involves: Grading, 6-inch conc. base pavement with 2-in. asph. conc. surface; const. reinf. conc. brdge; comb. conc. curbs and gutters; cem. walks; 8-in. and 4-in. vit. pipe lateral sewers; br. manholes; 10-n. cem. conc. pipe storm water sewers; electrolier lighting with underground system. Acq. and Imp. Act 1925.

SAN JOSE, Santa Clara Co., Calif.—A. J. Raisch, 46 Kearny St., San Francisco, at \$1,995 awarded contract by county supervisors to improve 2nd and 3rd Sts., in town of Campbell, Supervisor District No. 4; surveyor's estimate \$3,450. Other bids were: O. G. Ritchie, 3,725; Granite Const. Co., \$3, 752.

SAN JOSE, Santa Clara Co., Calif.—A. J. Raisch, 46 Kearny St., San Francisco, at \$26,816, surfacing, base mix-

ed, per ton \$3.57, awarded contract by county supervisors to improve Santa Clara - Los Gatos road in Supervisor District No. 4. Surveyor's estimate, surfacing, \$28,500, base mixed, per ton \$4.25. Other bids follow:

San Jose Paving Co., \$21,738; \$5.16 ton.
Union Paving Co., \$23,892; \$4.35 ton.
Peninsular Paving Co., \$28,535; \$4 ton.

SAN JOSE, Santa Clara Co., Calif.—Until June 16, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve:

- (1) Story Road in Supervisor District No. 2;
- (2) Trimble Road in Supervisor District No. 2;
- (3) Yerba Buena Road in Supervisor District No. 2.

Plans obtainable from Robt. Chandler, county surveyor.

WOODLAND, Yolo Co., Cal.—Until 2, 8 P. M., bids will be received by J. H. Laugenour, city clerk, (\$59) to improve alley bet. Third and Second Sts., Main St. and Lincoln Ave., involving 6-in. hyd. cem. conc. pave. 1911 Act Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

REDWOOD CITY, Cal.—L. A. Bachelder, Palo Alto, at \$21,193.32 awarded contract by city council (M-7) to improve Minnie St., bet. Broadway and James St., and George St. bet. Minnie and El Camino Real, involving: 403 lin. ft. 6-in. vit. clay sewer; 12 4x6-in. sewer wyes; 464 lin. ft. 4-in. vit. clay sewer; 3 brick manholes with cast iron frame and covers; 1911 sq. ft. pavement to be removed; 1668 lin. ft. integral curb; 43,358 sq. ft. cem. conc. pave.; 54,692 sq. ft. rock cushion with 1-in. sand cushion; 9980 sq. ft. sidewalk with rock cushion 3-in. thick and 1-in. sand cushion; 1169 cu. yds. cutting; 483 cu. yds. filling; 9254 lin. ft. 3x7-in. headerboards; 1 reinf. cem. conc. culvert 5x4 ft. with two catchbasins with cast iron frame and gratings; 520 lin. ft. 12-in. storm water sewer with 8 catchbasins and c. i. frames; 1 complete electrolier system, being 15 2-light electroliers and 18 single light electroliers, with conduit wiring transformer, etc. Complete list of bids follows:

L. A. Bachelder.....	\$21,193
W. O. Tyson, Redwood City.....	22,261
N. M. Ball, Porterville.....	22,300
W. A. Dontanville, Salinas.....	23,767
Peninsula Paving Co., S. F.....	24,338

SAN FRANCISCO—Louis Johnson at \$5,140 awarded contract by Board of Public Works for grading Phelps St. bet. Jerrold and Evans Aves., including crossings.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;
BLACKSMITHING AND WELDING

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 Zoe St., bet. 3rd and 4th, off Brannan St.

Phone KEarny 1885

San Francisco

SANTA BARBARA - SAN LUIS OBISPO COUNTIES, Cal.—Until June 11, 2 P. M., bids will be received by State Highway Commission, Sacramento, to grade and surface 26.2 miles between Third Crossing and Easterly Boundary with oil treated crushed gravel or stone.

See call for bids under official proposal section, this issue.

SANTA CLARA COUNTY, Cal.—Until June 11, 2 P. M., bids will be received by State Highway Commission, Sacramento, to grade and pave 4.9 miles between San Antonio Ave. and Sunnyvale with Portland cement concrete and asphalt concrete.

See call for bids under official proposal section, this issue.

LOS ANGELES COUNTY, Cal.—Until June 11, 2 P. M., bids will be received by State Highway Commission, Sacramento, to grade and pave with asphaltic concrete 1.0 mile between Citrus Avenue and Glendora.

See call for bids under official proposal section, this issue.

SONOMA AND MENDOCINO COUNTIES, Cal.—Until May 28, 2 P. M., bids will be received by John H. Skeggs, District Engineer, State Highway Commission, Room 211, State Bldg., San Francisco, to furnish and apply asphaltic road oil on 12.5 miles between Cloverdale and Hopland.

See call for bids under official proposal section, this issue.

SONOMA COUNTY, Cal.—Until May 28, 2 P. M., bids will be received by John H. Skeggs, District Engineer, State Highway Commission, Room 211, State Bldg., San Francisco, to furnish and apply asphaltic road oil on 3.3 miles between Beltane and Shellville.

See call for bids under official proposal section, this issue.

SALINAS, Monterey Co., Cal.—Granite Construction Co., Watsonville, at \$11,646.20 awarded contract by county supervisors to surface with oil macadam 10 miles of the Carmel Valley road, commencing at the Hatton Dairy.

SALINAS, Monterey Co., Cal.—Granite Construction Co., Watsonville, at \$54,557.82 awarded contract by county supervisors to gravel, oil and pave King City-Jolon road, the San Lucas-Lockwood road and the Lonoke road, involving 56 miles in all.

SAN BERNARDINO COUNTY, Cal.—Following bids received May 14 by State Highway Commission to grade 0.8 mile at Mojave River:

C. G. Willis & Son, Inc., L. A.\$15,019
Triangle Rock & Gravel Co. 16,149
San Bernardino 18,630
Bert. Calvert, Los Angeles 21,830
F. J. Knapp, Oakland 21,891
General Eng. Corp., Ltd., L. A. 28,187

WILLOWS, Glenn Co., Calif.—Hemstreet and Bell, Marysville, at \$1,478 awarded contract by county supervisors to resurface 9 miles of the Linville-Foster road and the Hanson-Schaad road at \$1,490, of approximately the same length.

SAN LUIS OBISPO COUNTY, Cal.—Until May 28, 10 A. M., bids will be received by L. H. Gibson, district engineer, State Highway Commission, Bank of Italy Bldg., San Luis Obispo, to improve 5.9 miles between Estrella River and Sacramento Ranch, involving seal coat to be applied to existing bituminous macadam surfacing. Plans obtainable from above

SAN FRANCISCO.—Fay Imp. Co., Phelan Bldg., at \$17,993 awarded contract by Board of Public Works to improve Utah St. bet. 18th and 19th Sts., and 19th St. bet. Utah St. and San Bruno Ave., involving grading; concrete retaining walls; asphalt pavement, etc.

PALO ALTO, Santa Clara Co., Cal.—City Council declares intention (\$71) to construct sidewalks on portions of Ramona and Alma Sts., and California Ave. involving hydraulic concrete sidewalks. Imp. Act 1911. Hearing May 28. E. L. Beach, city clerk. J. F. Byxbee Jr., city engineer.

RICHMOND, Contra Costa Co., Cal.—City Council declares intention (475) to improve portions of Pennsylvania Avenue, between 19th and 20th Sts., involving grading; paving with 4-inch broken rock base; 1 to 2 in. asphaltic conc. pave 2½-in. base; 1½-in. surface; portions of existing roadway to be repaved with seal coat; conc. curbs with galvanized steel bars; cem. conc. sidewalks and gutters. Imp. Act 1911. Hearing June 2. A. C. Faris, city clerk. E. A. Hoffman, city engineer.

HOLLISTER, San Benito Co., Cal.—Granite Construction Co., Watsonville, at \$67,814 awarded contract by city trustees (16-C) to improve portions of Hawkins St., East St., South St., Third St., etc., involving 6-in. cem. conc. pavement on 4-inch gravel cushion; conc. curbs, gutters, driveway approaches; conc. catchbasins; vit. sewers, etc.

SAN FRANCISCO.—C. B. Eaton, 715 Ocean Ave., at \$10,114 awarded contract by Board of Public Works to improve Section E of the Alemany Blvd. at inter. of Sagamore St. and Orizaba Ave., under Contract No. 20, involving 31,800 sq. ft. asphalt concrete pave, consisting of 1½-in. asphalt surface, 1½-in. in. under course and 8-in. class E conc. base; 1900 sq. ft. 1-course concrete sidewalks; 2200 sq. ft. 4-in. macadam sidewalk; 215 lin. ft. armored concrete curb; 570 lin. ft. r.w. conc. curb, exposed surfaces painted; 60 lin. ft. r.w. hears, 2x10-in.; one 3-unit warning sector post.

TEHAMA COUNTY, Calif.—Tieslaus Bros., 2819 Grove St., Berkeley, at \$53,279 submitted low bid to C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, to surface 7.52 miles of Sections C-3 and C-4 and portions of Sections C-1 and C-2 of Route No. 1, Loop Section, Lassen Volcanic National Park Highway, involving:

3,000 cu. yds. unclass. excav. (borrow and slide removal);
7.52 mi. fine grading sub-grade and shoulders;
14,900 cu. yds. crushed rock surfacing;
1,750 cu. yds. supplemental crushed rock;
2,100 cu. yds. additional binder;
6,000 cu. yds. miscellaneous hauling binder;

900 M. gals. watering;
341 lin. ft. 6-in. vit. tile underdrain (in place).

Complete list of bids, forwarded to Washington, D. C., for approval, follows:

Tieslaus Bros.\$53,279
C. R. Johnson, Portland, Ore. 57,355
C. A. Lindberg, Stockton 60,889
Hemstreet & Bells, Marysville. 61,171
Jasper-Stacy Co., S. F. 70,683
Engineer's estimate 66,301

SANTA CLARA COUNTY, Cal.—As previously reported, bids will be received by State Highway Commission, June 11, to grade and pave with cem. conc. and asphalt concrete, 4.9 miles between San Antonio Ave. and

Sunnyvale. Project involves: 3550 cu. yds. rdwy. excav. without class; 22,500 cu. yds. imported borrow (embankments); 900 cu. yds. imported borrow (park areas); 2000 sta. yds. overhaul; 2750 cu. yds. structure excavation; 23,300 sq. yds. subgrade for pavement; 5300 tons crusher run base; 13,700 tons asphalt concrete; 7800 cu. yds. class A Portland cement concrete (pavement); 1370 cu. yds. class A Portland cement concrete (structures) 163 lin. ft. 15-in. corr. metal pipe; 390 lin. ft. 15-in. corr. metal pipe; 235,000 lbs. bar reinf. steel (pavement and structures); remove trees; 200 cu. yds. remove and dispose of existing conc. (pave. and struc.); 800 sq. yds. remove and dispose of asphalt concrete surf. over exist. pave.; 53,000 sq. yds. asphalt. plant binder; 250 tons screenings (bit. surf. treatment); 18 tons emulsified asphalt (bit. surf. treatment); 127 cu. yds. class A Port. cem. conc. (curbs and sidewalks); 20 cu. yds. rubble masonry (retaining wall); 253 sta. finish roadway; 75 monuments, complete, in place.

State will furnish corr. metal pipe and cast steel frames and covers for drop inlets.

TEHAMA COUNTY, Calif.—Christie & Allen, 511 Crocker Bldg., San Francisco, at \$55,044 submitted low bid to C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, San Francisco, to grade 7.71 miles of Section E of Route No. 1, Loop Route, Lassen Volcanic National Park Highway, involving:

16 acres clearing;
90,050 cu. yds. unclass. excav.;
530 cu. yds. unclassified excav. for structures;
6,250 cu. yds. unclassified excav. for borrow;
25,000 sta. yds. overhaul;
7.71 miles finishing;
63 cu. yds. cem. rubble masonry;
2,126 lin. ft. corrugated metal pipe (in place);

(Maintenance of existing road; extra work, est. \$500);
7,200 cu. yds. misc. hauling borrow.

Complete list of bids, forwarded to Washington, D. C., for action, follows:
Christie & Allen\$ 55,044
Mathews Const. Co., Sacto. 83,941
O. A. Lindberg, Stockton 92,124
Jasper-Stacy Co., S. F. 102,181
C. R. Johnson, Portland, Ore. 103,788
A. J. Fairbanks, South S. F. 107,774
Engineer's estimate 97,587

WHITE PINE COUNTY, Nevada.—Wheelwright Const. Co., Ogden, Utah, at \$92,659.52 submitted low bid to State Highway Commission to construct highway bet. Robinson Summit and Keystone and Magnuson's and North County Line, 47.01 miles, involving grading; structures and gravel surfacing. Complete list of bids, all taken under advisement, follows:
Wheelwright Const. Co.\$ 92,659
J. N. Tedford, Fallon, Nev. 95,401
Dodge Bros., Fallon, Nev. 99,744
A. D. Drumm, Fallon, Nev. 102,702
Isbell Const. Co., Carson City. 106,518
Engineer's estimate 93,655

PACIFIC GROVE, Monterey Co., Cal.—City council has started proceedings to improve Laurel St. bet. 15th and Congress Sts., and 15th bet. Light-house Ave. and Laurel St.

ALPINE COUNTY, Cal.—Skeels & Graham, Roseville, at \$3264 (\$3.40 bbl.) awarded contract by State Highway Commission to fur. and apply light fuel oil on 8.6 miles between Hangman's Bridge and Woodfords.

TULARE, Tulare Co., Cal.—Union Oil Co., at \$1 0356 barrel awarded contract by city council to furnish oil for street improvements.

PLUMAS COUNTY, Cal.—Until June 10, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market Street, San Francisco, to grade and surface 3.35 miles on Sections C and D of Route 23, Quincy-Beck with National Forest Highway, involving: 41,203 cu. yds. unclassified excav.; 605 cu. yds. unclassified excav.; 61,883 sta. yds. overhaul; 6.55 miles fine grading subgrade and shoulders; 21,255 cu. yds. crushed rock or crushed gravel surfacing; 1,000 cu. yds. supplemental crushed rock or crushed gravel; Provide and maintain water plants; 232.51 cu. yds. class B concrete; 26.79 cu. yds. class C concrete; 22,507 lbs. reinf. steel; 1,254 lin. ft. corr. metal pipe in place; 1,000 lin. ft. porous tile underdrain in place; Maintenance of existing road (extra work, est. cost \$600); 128 right of way monuments; Haul and piling logs. Specifications and further information obtainable from above office.

WOODLAND, Yolo Co., Cal.—Until June 2, 8 P. M., bids will be received by J. H. Laugenour, city clerk, (591) to improve alley bet. Elm and Walnut Sts., Lincoln Ave. and Main St., involving 6-in. hyd. concrete pavement. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

SALINAS, Monterey Co., Cal.—Until June 2, 10 A. M., bids will be received by C. F. Joy, county clerk, to grade and surface Pacific Grove-Carmel road from Pacific Grove to top of Carmel Hill, in Supervisor District No. 5. Plans obtainable from County Surveyor Howard Cozzens.

SANTA CLARA, Santa Clara Co., Cal.—City Council declares intention (20-D) to improve portions of Union Ave. and Bellomy St., involving grading; asphaltic concrete pavements on quarry waste base; cement concrete curbs; drop curbs; gutters; sidewalks, driveway approaches; vit. clay pipe main can sewers, water branches; laterals; manholes. Bond Act 1915. Imp. Act 1911. Hearing June 2, 1930. J. Cronin, city clerk. George Sullivan, city engineer.

SAN MATEO, San Mateo Co., Cal.—Until June 6, 8 P. M., bids will be received by E. W. Foster, city clerk, (30-2) to improve portions of 9th Ave., 10th Ave., 7th Ave., etc., involving grading; comb. hyd. cem. conc. curbs and gutters, walks; asph. conc. base pavement on waterbound rock macadam cushion with 2-in. asph. conc. surface; hyd. cem. conc. pipe storm water sewers; vit. clay pipe san. sewers; manholes; conc. sump and pumping unit complete. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. E. P. Wilsey, city engineer.

WOODLAND, Yolo Co., Cal.—Until June 2, 8 P. M., bids will be received by J. H. Laugenour, city clerk, (590) to improve alley bet. College and Elm Sts., and Lincoln Ave. and Main St., involving 6-in. hyd. cem. conc. pave. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

WOODLAND, Yolo Co., Cal.—Until June 2, 8 P. M., bids will be received by J. H. Laugenour, city clerk, (588) to improve alley bet. Third and Fourth

Sts., Main St. and Lincoln Ave., involving 3½-in. asph. conc. pavement with 1½-in. asph. conc. surface.

1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

MARTINEZ, Contra Costa Co., Cal.—Peres and Gatto, Richmond, at \$13,098 awarded contract by county supervisors to improve portions of Valley Road, Ocean View Ave., Oak View Ave., etc., in Road Imp. Dist. No. 1, involving grading; 4-in. waterbound macadam base course with 3-in. asphaltic concrete surface; conc. curbs and gutters; part circle corr. iron pipe culverts; 10-in. vit. pipe; catch-basins.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock, P. M., on June 11, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made of portions of State Highway, as follows:

Nevada County, a reinforced concrete girder bridge across South Fork of Yuba River near Indian Springs (111-Nev-37-A), consisting of one 70-foot span and one 30-foot span on a concrete pier and concrete abutments with wing walls.

Nevada County, an overhead crossing over the tracks of the Southern Pacific Railroad near Yuba Pass (111-Nev-37-A), consisting of one 112-foot deck plate girder span, one 66-foot deck plate girder span, one 54-foot deck plate girder span, all on concrete piers and 279 lineal feet of timber trestle approach on framed bents and rubble masonry abutments.

Santa Clara County, between San Antonio Avenue and Sunnyside (IV-SCI-2-A), about four and nine-tenths (4.9) miles in length, to be graded and paved with Portland cement concrete and asphalt concrete.

Santa Barbara and San Luis Obispo Counties, between Third Crossing and the Easterly Boundary (V-S-B, SLO-57-C,D,C), about twenty-six and two-tenths (26.2) miles in length, to be graded and surfaced with oil treated crushed gravel or stone.

Los Angeles County, between Citrus Avenue and Glendora (VII-LA-9-H), about one (1.0) mile in length, to be graded and paved with asphalt concrete.

Amador and El Dorado Counties, a timber bridge across Cosumnes River about 10 miles south of El Dorado (X-Ama-E-D-65-A,C), consisting of one 120-foot through truss span on concrete piers and nine 19-foot approach spans on frame bents with concrete pedestals, and approximately 0.14 mile of roadway to be graded and surfaced with untreated crushed gravel or stone.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis

Obispo, Fresno, Los Angeles, San Bernardino, and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

C. H. PURCELL,
State Highway Engineer.
Dated May 14, 1930.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received by the Department of Public Works, Division of Highways, at the office of the District Engineer, Room 211, State Building, San Francisco, California, until 2:00 P. M. on Wednesday, May 28, 1930, at which time they will be publicly opened and read, for performing work as follows:

Sonoma and Mendocino Counties, between Cloverdale and Hopland (IV-Son-Men-1-A) twelve and five-tenths (12.5) miles in length, asphaltic road oil to be furnished and applied.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the above address.

No bid will be received unless it is made on a proposal form furnished by the District Engineer. Each bid must be accompanied by cash, or a certified check made payable to the Director of Public Works, for an amount equal to ten (10) per cent of the amount bid, such guaranty to be forfeited should the bidder to whom the contract is awarded fail to enter into the contract.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

C. H. PURCELL,
State Highway Engineer.
By JOHN H. SKEGGS,
District Engineer, Dist. IV.
Dated: May 14, 1930.

REID LANDS CONTRACTS

H. C. Reid & Co., of San Francisco, have been awarded a contract by the Los Angeles County Supervisors to install a street lighting system in Brooklyn Avenue, involving forty-eight Marbelite standards. The bid was \$20,851.

The same firm at \$25,758 submitted the lowest bid to the Los Angeles County Supervisors on May 19 to install a street lighting system in Pico Boulevard. The engineer's estimate on this project was \$23,198. Newbery Electric Corporation was second low on this unit at \$26,327.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

613	Johnson	Owner	4000
614	Pacific	Pattinson	4000
615	Van Winkle	Owner	4994
616	California	Eaton	7000
617	Meyer	Owner	5000
618	Meyer	Owner	5000
619	Kulisich	Lindsay	4900
620	Samuelson	Owner	6000
621	Carroll	Owner	4500
622	Du Trac	Owner	2000
623	Golden Gate	Owner	1500
624	Franza	Owner	4000
625	Mayr	Owner	3000
626	Reggiardo	Owner	1300
627	Starborn	Cahill	45000
628	Bartolome	Reimaudd	10000
629	Coburn	Coburn	4900
630	Deligiannis	Woodside	3000
631	Gallix	Owner	4000
632	Gray	Owner	3000
633	Marlan	Owner	225000
634	Meyer	Collman	4500
635	O'Connor	Westlund	1000
636	Ashburn	Owner	3000
637	Gordon	Owner	4000
638	Petersen	Collman	4800
639	Struthers	Conway	4500
640	Horn	Owner	7000
641	Miller	Owner	4000
642	Roman	Rasori	39000
643	Woolworth	McDonald	11000
644	Kramer	Duerner	7000
645	Scivolani	Owner	3200
646	Haley	Owner	200000
647	Meyer	Owner	4000
648	Meyer	Owner	5000
649	Meyer	Owner	4000
650	Meyer	Owner	50800

DWELLING

(613) N BOSWORTH 75 W Lippard; one-story and basement frame dwelling.

Owner—G. G. Johnson, 1775 Munich Street.
Architect—None. \$4000

ADDITION

(614) BEACH bet. Taylor and Mason Sts.; one-story frame addition to box factory.

Owner—Pacific Box Factory, Beach & Taylor Sts.
Engineer—P. L. Bush, 101 California.
Contractor—J. Pattinson, Berkeley. \$4000

ALTERATIONS

(615) NE COR. LAKE and 18th Ave.; alterations.

Owner—R. K. Van Winkle.
Architect—A. R. Denke, Dalziel Bldg., Oakland. \$1994

RECONSTRUCTING WORK

(616) BEACH ST. bet. Hyde and Leavenworth Sts.; reconstructing trestle.

Owner—California Packing Corp., 101 California St.
Architect—None.
Contractor—Eaton & Smith, 715 Ocean Avenue. \$7000

DWELLING

(617) N JUANITA 133 W Evelyn; 1-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr.
Architect—None. \$5000

DWELLING

(618) NW 21st AVE. and Wawona; 1-story and basement frame dwelling.

Owner—Meyer Bros., 727 Portola Dr.
Architect—None. \$5000

DWELLING

(619) W HARVARD 25 S Silliman; 1-story and basement frame dwelling.

Owner—T. Kulisch, 22 Highland Ave.
Architect—C. F. Strothoff, 2274 15th Street.

Contractor—B. C. Lindsay, 133 Oxford Street. \$4900

DWELLING

(620) NE COR. NORTHGATE AND Upland; one-story and basement frame dwelling.

Owner—A. M. Samuelson, 901 Geneva.
Architect—None. \$6000

DWELLING

(621) FIFTEENTH AVE 150 N Wawona. One-story and basement frame dwelling.

Owner—J. Carroll, 530 Clipper St., San Francisco.
Architect—None. \$4500

SHOP BLDG.

(622) GORE S VAN NESS AVE., Market and Eleventh Sts. One-story steel frame super building (shop).

Owner—Du Trac Ltd., 5 Van Ness Ave., San Francisco.
Architect—Michel & Pfeffer Iron Works, 1415 Harrison St., San Francisco. \$2000

SIGN

(623) NO. 41 THIRD ST. Cloth sign. Owner—Golden Gate Loan Office, 41 Third St., San Francisco.
Architect—None. \$1500

(624) NW ANDOVER 27 S Highland Ave. One-story and basement frame dwelling.

Owner—Sam Franza, 379 Highland Ave., San Francisco.
Plans by Owner. \$4000

ALTERATIONS

(625) NO. 35 BUENA VISTA TERRACE. Remodel three-story frame rooming house into apartments.

Owner—C. Mayr, 136 Alpine Terrace, San Francisco.
Architect—B. K. Dobkowitz, 425 Monterey Blvd., San Francisco. \$3000

ALTERATIONS

(626) NO. 100 SHOTWELL. Alter and raise building for garages.

Owner—G. Reggiardo, 472 San Bruno Ave., San Francisco.
Architect—None. \$1300

WAREHOUSE

(627) W BEALE 137 S Mission. Six-story and basement Class B warehouse.

Owner—E. C. Starborn, 206 Sansome St., San Francisco.

Architect—None.

Contractor—Cahill Bros., 206 Sansome St., San Francisco. \$45,000

DWELLING

(628) E SALMON 160 S Broadway; 1-story and basement frame dwelling.

Owner—Mr. Bartolome, 915 Broadway.

Architect—None.

Contractor—A. Reimaudd, 67 Salmon Street. \$1000

ADDITION

(629) RESERVOIR and Market Sts.; addition of story to building.

Owner—J. W. Coburn, 711 Hearst Building.

Architect—A. W. Burgren, 110 Sutter Street.

Contractor—J. W. Coburn, 711 Hearst Building. \$4900

ALTERATIONS

(630) 40 PERRY ST.; alterations to move 3-family flat; foundation, underpinning, fire escapes, etc.

Owner—P. A. Deligiannis, 320 3rd St.

Architect—None.

Contractor—J. D. Woodside, 3460 Mission St. \$3000

DWELLINGS

(631) E 32nd AVE. 125 N Judah; two 1-story and basement frame dwellings.

Owner—R. F. Gallix, 1574 23th Ave.
Architect—None. each \$4000

DWELLING

(632) W ELLSWORTH 50 S Eugenia; one-story and basement frame dwelling.

Owner—A. L. Gray, 223 Irvington St., Daly City.

Architect—None. \$3000

APARTMENTS

(633) SE CALIFORNIA and JOICE Sts.; eight-story (54) apts. (two-story class A, six-story class C).

Owner—Marlan Realty Co., 110 Sutter St.

Architect—H. C. Baumann, 251 Kearny Street. \$225,000

DWELLING

(634) W ELGIN PARK 191 S McCoppin; 2-story and basement frame dwelling.

Owner—F. Meyer, 30 Seward St.

Architect—W. C. Falch, Hearst Bldg.

Contractor—A. D. Collman, 666 Mission St. \$4500

ALTERATIONS

(635) 2429 SAN BRUNO AVE.; alterations to flats.

Owner—M. P. O'Connor, 2429 San Bruno Avenue.

Architect—E. J. O'Connor, 346 Woolsey.

Contractor—C. H. Westlund, 930 Carolina St. \$1000

REMODEL

(636) 64 BUENA VISTA Terrace; remodel two-story dwelling into (2) flats.

Owner—Miss M. Ashburn, 2884 Jackson St.

Architect—None. \$3000

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street

Sacramento - California

DWELLING
(627) W ALEMANY 100 N Santa Rosa; 1-story and basement frame dwelling.
Owner—H. Gordon, 312 Hanover.
Architect—None. \$4000

ALTERATIONS
(638) 2737 DIVISADERO; alterations to dwelling.
Owner—P. C. Petersen, 2737 Divisadero St.
Architect—J. J. Rankin, 26 Post St.
Contractor—A. D. Collman, 666 Mission St. \$4500

DWELLING
(639) S GRATTAN 136 E Stanton; two-story and basement frame dwelling.
Owner—M. T. Struthers, 2849 Fillmore.
Architect—None.
Contractor—G. J. Conway, 2733 Mission St. \$4500

DWELLINGS
(640) N CAUGA 50 E Badger; two 1-story and basement frame dwellings.
Owner—J. Horn, 5044 Mission St.
Architect—None. each \$3500

DWELLING
(641) E 34th AVE. 185 N Judah St.; one-story and basement frame dwelling.
Owner—P. S. Miller, 1366 35th Ave.
Architect—None. \$4000

RESIDENCE
(642) W 17th AVE. bet. Vicente and Ulloa; two-story and basement frame residence.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—H. A. Minton, Underwood Bldg.
Contractor—S. Rasori, 614 Call Bldg. \$39,000

STORE
(643) 707 CLEMENT ST.; one-story and basement frame store.
Owner—F. W. Woolworth Co., Financial Center Bldg.
Plans by Owner.
Contractor—MacDonald & Kahn, Financial Center Bldg. \$11,000

DWELLING
(644) E APTOS 250 S Darien; two-story and basement frame dwelling.
Owner—G. Kramer.
Architect—None.
Contractor—W. Duerner, Jr., 166 Miramar Ave. \$7000

DWELLING
(645) PALOU 175 E Lane; one-story and basement frame dwelling.
Owner—A. Scivolani, 492 Vermont St.
Architect—None. \$3200

HOTEL
(646) N McALLISTER 137 W Polk; ten-story class A hotel (166 families).
Owner—Haley Bros., 744 Russ Bldg.
Architect—None. \$200,000

DWELLING
(647) S CHARES 113 E Agua; one-story and basement frame dwelling.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. \$4000

DWELLING
(648) S CHARES 77 E Agua; one-story and basement frame dwelling.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. \$5000

DWELLING
(649) W 21st AVE. 25 S Vicente St.; one-story and basement frame dwelling.

Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. \$4000

DWELLING
(650) SW 21st AVE. and Vicente; one-story and basement frame dwelling.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. \$5000

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
95	Van Winkle	Chisholm	4995
96	Tillman	Klimm	6300
98	Guardins	Ghezzi	10700
99	McCormack	Jenks	10575

ALTERATIONS & ADDITIONS
(95) LOCATION OMITTED; alterations and additions to frame residence.

Owner—Rachael K. Van Winkle.
Architect—A. Reinhold Denke.
Contractor—R. A. Chisholm & Son, 240 Euclid.

Filed May 16, '30. Dated May 14, '30.	
New work enclosed, etc.	\$1248
2nd coat plaster on	1248
Completed and accepted	1248
Usual 35 days	1251

TOTAL COST, \$4995
Bond, \$2497.50. Sureties, American Bonding Co. Plans and Spec. filed.

PLUMBING, ETC.
(96) N 21st St, 200 E Church St. E 30 x S 114; plumbing, heating and electrical work on 3-story frame building.

Owner—H. and H. Tillman.
Architect—F. W. Dakin, 625 Market.
Contractor—F. J. Klimm Co., 456 Ellis Street.

Filed May 19, '30. Dated May 14, '30.	
Roughed in	\$2350
Completed and accepted	2350
Usual 35 days	1600

TOTAL COST, \$6300
Plans and Spec. filed.

(97) ALL WORK on above building except plumbing, heating and electrical work.

Contractor—A. R. Larson, 2595 Mission St.

Filed May 19, '30. Dated May 14, '30.	
Roof on	\$2900
Brown coated	5250
Completed and accepted	2900
Usual 35 days	9532

TOTAL COST, \$20,882
Bond, \$10,440. Sureties, A. L. Kreisberger and E. J. Wyrsh. Forfeit, \$15. Limit, 120 days. Plans and Specifications filed.

FLATS
(98) N GREENWICH ST. 106-3 W Octavia; all work on two-story and basement flats.

Owner—S. Guardino.
Architect—None.
Contractor—G. Ghezzi.

Filed May 16, '30. Dated May 15, '30.	
Frame up and roof on	\$2675
Brown coated	2675
Completed and accepted	2675
Usual 35 days	2675

TOTAL COST, \$10,700
Bond, \$5350. Sureties, G. B. Delucchi and E. Valli. Limit, 90 days. Plans and Spec. filed.

ALTERATIONS
(99) SW COR. 20th AVE. and Clement St.; alterations to store front.

Owner—J. P. McCormack, premises.
Architect—P. I. Jenks.
Contractor Not Given.
Filed May 19, 1930. Dated

After carpenter work is completed \$600
TOTAL COST, \$1027.50
Specifications filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted
May 15, 1930—W 21st AVE and E 21st Ave 25 N Watson St N 50 x W 28-6 and Lot 4 Blk 2957A sub No 3, Miraloma Park, Meyer Bros to whom it may concern.

May 13, 1930
May 15, 1930—W FUNSTON AVE 165 N Ulloa St 30x120. C and F Gellert to whom it may concern.

May 15, 1930
May 15, 1930—E 21st AVE 125 and 150 S Irving S 23 x E 120. Arvid Peterson to whom it may concern.

May 15, 1930
May 15, 1930—W CERES 250 N Williams Ave 25x100. Josephine Candiotto to Joseph Luchini.

May 13, 1930
May 15, 1930—LOT 3 BLK K Mission St Land Co. Harry Walters to whom it may concern.

May 15, 1930
May 15, 1930—LOT 2 BLK 5893 St Mary's Park. The Roman Catholic Archbishop of S F to Andrew R Johnson.

April 24, 1930
May 15, 1930—LOT 3 BLK 5832 St Mary's Park. The Roman Catholic Archbishop of S F to Andrew R Johnson.

May 9, 1930
May 15, 1930—LOTS 7 and 8 BLK 3264 Map Mt Davidson Manor. Gordon W and Sarah L Morris to whom it may concern.

May 12, 1930
May 14, 1930—N TURK ST and E Polk St N 85 x E 55. V E Haley to whom it may concern.

May 1, 1930
May 14, 1930—COMG AT Pt 154 W of Inter S Sacramento St and W Kearny St W 23 x S 137-6. Kwong Chow Assn to P Sartorio.

May 9, 1930
May 14, 1930—SE MISSION ST 355 N Virginia Ave NE 25 x SE 133-6 PV Lands. American Trust Co to William Bateman; A G Reed and G W Reed as Reed & Reed (two completions).

May 13, 1930
May 14, 1930—SV CERVANTES Blvd 41-542 SE from pt inter South Prado and SW Cervantes Blvd SE 25 SW 86-32 N 36-48 NE 59-765 ptn Marina Gardens. Severin Steinauer to whom it may concern.

May 14, 1930
May 16, 1930—SV CERVANTES Blvd 41-542 SE from pt inter S Prado and SW Cervantes Blvd SE 25 x SW SW 86-32 N 36-48. S Steinauer to whom it may concern.

May 13, 1930
May 16, 1930—S LINCOLN WAY 57-6 W 40th Ave N 25 x S 100. Gustaf S Nielsen to whom it may concern.

May 15, 1930
May 16, 1930—N HAVELOCK 340-6 E Arto 27x52 John and Frieda Thomsen to whom it may concern.

April 12, 1930
May 19, 1930—NW 18th AVE and Lawton N 25 x 95. Herman Christensen to whom it may concern.

May 19, 1930
May 19, 1930—W 18th AVE 150 N Lawton N 25 x E 120. Herman Christensen to whom it may concern.

May 19, 1930
May 19, 1930—N LAWTON 95 W 18th Ave W 25 x 100. Herman Christensen to whom it may concern.

May 19, 1930
May 19, 1930—W FUNSTON AVE 175 S Kirkham S 50 x W 120 OL 781. John E McCarthy to whom it may concern.

May 15, 1930
May 19, 1930—MISSION BAY SLIP. Southern Pacific Co to S J Porter Company.

May 16, 1930
May 19, 1930—SE MISSION ST 355 N Virginia Ave 25 SE 133-6 SW 25 NW 133-6 Ptn Lot 367 PV Lands. American Trust Co to Rudolph Habenicht and Franz Hettet as Habenicht & Howlett; Herman Hallensleben as Monarch Iron

Works; J M and D H Carlson as Central Electric Co (three completions)..... May 19, 1930
 May 19, 1930—N SILVER AVE 75 W Bayshore Highway W 25 x 125. A J Judnich Jr, A Judnich and J Kammbic to whom it may concern..... May 19, 1930
 May 19, 1930—NW BUSH and Battery N 137-6 S W 137-6 S 57-6 E 20 S 80 E 117-6 S 50 W B 39. Shell Oil Co to Gunn, Carl & Co..... April 30, 1930
 May 17, 1930—NE GUTTENBERG St 25-821 SE Morse St NE 90-288 SE 25-SW 83-826 NW 25-821. F D Pelicano to whom it may concern..... May 17, 1930
 May 17, 1930—SE Morse St NE 96-750 SE 25 SW 90-238 NW 25-821. F D Pelicano to whom it may concern..... May 17, 1930
 May 16, 1930—W 31st AVE 300 N Taraval N 25 D 120 S 25 E 300 OL 1133. Julius Schnapp to whom it may concern..... May 16, 1930
 May 16, 1930—SE MISSION 385 N Virginia Ave NE 25 x SE 133-6 ptn lot 367 PV Lands. American Trust Co to J E Back Co Inc..... April 28, 1930
 May 20, 1930—NW WOOLSEY ST 115 SW San Bruno Ave 25x100. A A Wesendunk, Jr to whom it may concern..... May 20, 1930
 May 20, 1930—N McALLISTER 38-6 W Webster St. Gee Poy to Daniel Hayes..... May 19, 1930
 May 20, 1930—N ALADDIN TERRACE 92-6 E Taylor 22-6x45. Antonio Cipparone to The Metropolitan Bldg Co..... May 20, 1930

LIENS FILED

San Francisco County

Recorded	Amount
May 15, 1930—LOTS 1 and 2 BLK 225 map ptn Blks 224 and 225, Richmond Dist. Neil Mulcahy vs M B and Inez F Clippner.....	\$45.50
May 15, 1930—LOT 3 BLK 226 map Blks 27 to 34 Forest Hill Exten. Joseph Junior Burdon and Joseph Jay Burdon as Joseph J Burdon & Son vs A Dutriz and H W Armbrust.....	\$345.50
May 15, 1930—S MONTEREY BLVD 110-05 E Balboa Terrace S 20 16 min W 135-95 m or 1 to E 60 N 20 16 min E 205-544 SW 60-799. Fred G Parker as Parker Weatherstrip Co vs Stuart C and Patricia Way and George Barnett.....	\$148.20
May 17, 1930—E SIXTH AVE 35 S Hugo St S 25 x E 95. O Axdal vs B Carlson.....	\$116
May 20, 1930—LOT 15 BLK 1 map R R Hd Assn. W B Jefferson as The Greater City Lumber Co vs H W and C M Rounce.....	\$501.70
May 17, 1930—LOTS 20 and 21 BLK 24, Lakeview. Roma Hardwood Floor Co vs Chas Duerner and J Satmary.....	\$161

RELEASE OF LIENS

San Francisco County

Recorded	Amount
May 16, 1930—SV CLEMENT and 43rd Ave W 100 x S 50 F F Leacy and A W Schulz to Taraval Bldg Co. Payne Const Corp, J H Payne, J D and A J Raymond, Chas I and Patricia P Ringheim.....	
May 16, 1930—E 34rd AVE 200 S Ulloa S 25 x E 120. Crowe Glass Co, B J Doherty, George A Tusch, O G Windell, P W Leacy, Ls Pacific Mill & Cabinet Co, California Terrazzo Marble Co, E Ruhsheim to Robt A and Nellie Roche.....	
May 16, 1930—LOTS 7A, 7B and 7C Blk 7032A map Subdiv V Geneva Terrace. S F Terrazzo Assn to Alfred J Kronquist.....	

May 16, 1930—LOTS 7A, 7B and 7C, 7032A map Subdiv V Geneva Terrace. C E Reinhart & Co to Alfred J Kronquist and L Glicksberg
 May 16, 1930—LOTS 7A, 7B and 7C, 7032A map Subdiv V Geneva Terrace. G Mazzera Co and A Nelson to Alf J Kronquist and L Glicksberg..... \$257.50
 May 19, 1930—W VICTORIA 100 S Shields S 25 x W 100 Blk 7073 Assessor's Map. United Improvement Co to D Klang and The McCarthy Company..... \$257.50
 May 19, 1930—W DOUGLASS 51-6 N Elizabeth N 25 x W 100 Blk 97-144. Heyman Tract. R Paratore to Henry H and Lena D Hopper and L-na D F Harris..... \$98.31

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
641	Brazier	Owner	6000
642	Good	Bernhardt	2500
643	Talman	Tranmal	3250
644	Hambleton	Owner	7000
645	Munford	Hanson	3500
646	Pennell	Rich	5000
647	Blosser	Owner	6000
648	Dlanda	Nunes	3500
649	Sterling	Owner	1500
652	Flagg	Owner	4500
653	Fraga	Anderson	3000
654	Howard	Kennedy	1500
655	Johnson	Owner	4000
656	Watson	Owner	3700
657	Boomer	Owner	1000
658	Hinch	Abdon	3000
659	Cava	Taylor	5500
660	Nelson	Nelson	32500
650	Glachetto	Garello	3500
651	California	Vezev	5340

RESIDENCE

(639) 1643-1665 SPRUCE ST., Berkeley; 1½-story 10-room two-family frame duplex residence.
 Owner and Builder—Milton S. Bonds, 1653 Scenic Ave., Berkeley.
 Plans by Owner. \$8000

RESIDENCE

(641) NO. 2335 CORONA COURT, Berkeley. Two-story 6-room 1-1-family frame residence.
 Owner—J. W. Brazier, 1227 Spruce St., Berkeley.
 Architect—None. \$6000

ALTERATIONS

(642) NO. 2228 TELEGRAPH AVE., Berkeley. Alterations.
 Owner—Geo. J. Good.
 Architect—None.
 Contractor—G. L. Bernhardt, 2119 Bancroft Way, Berkeley. \$2500

ALTERATIONS

(643) NO. 1530 LA LOMA AVE., Berkeley. Alterations and garage.
 Owner—E. C. Talman.
 Architect—None.
 Contractor—E. Tranmal, 483 Crescent St., Oakland. \$3250

RESIDENCE

(641) NO. 111-115 DUTTON ST., San Leandro. Eight-room frame and stucco duplex (tile roof).
 Owner & Builder—F. Hambleton, 1005 Chalhau Road, San Leandro.
 Architect—S. G. Jackson, 354 Hobart St., Oakland. \$7000

STATION

(645) NO. 2298 E-FOURTEENTH St., San Leandro. Oil station.
 Owner—Munford & Hanson, 2332 E-14th St., San Leandro.
 Architect—W. W. Dixon, 1844 Fifth Ave., Oakland.
 Contractor—A. F. Hanson. \$3500

RESIDENCE

(616) NO. 2730 BUENA VISTA AVE., Berkeley. Two-story 6-room 1-family frame residence.
 Owner—Frank Pennell, Oxford St., Berkeley.
 Architect—None.
 Contractor—James L. Rich, 556 37th St., Oakland. \$5000

DWELLING

(647) 7130 CHABOT ROAD, Oakland; two-story 7-room dwelling.
 Owner & Builder—E. H. Blosser, 7130 Chabot Road, Oakland.
 Architect—None. \$6000

DWELLING

(648) NE COR. 60th AVE. and Eastlawn, Oakland; one-story 4-room dwelling.
 Owner—Paul Dlanda.
 Architect—None.
 Contractor—Antone F. Nunes, 37 Castro St. San Leandro. \$3500

WAREHOUSE

(649) S 32nd St. 130 W Ettie, Oakland; one-story warehouse.
 Owner and Builder—Sterling Lbr. Co., 32nd and Ettie Sts., Oakland.
 Architect—None. \$1500

RESIDENCE

(650) 1209 DERBY ST., Berkeley; 1-story 5-room 1-family frame residence.
 Owner—G. Giachetto, 872 47th Street, Oakland.
 Architect—None.
 Contractor—F. Garello, 920 43rd St., Oakland. \$3500

ADDITION

(651) FOOT of 40th St., Oakland; brick addition.
 Owner—California Packing Corp., 101 California St., San Francisco.
 Architect—None.
 Contractor—Chas. D. Vezev & Sons, 3220 Sacramento St., Berkeley. \$5340

DWELLING

(652) 3450 GUIDO ST., Oakland; one-story 6-room dwelling and one-story garage.
 Owner and Builder—J. S. Flagg, 3221 Madeline St., Oakland.
 Architect—None. \$4500

DWELLING

(653) W BURKHALTER 270 S Mt. Blvd., Oakland; one-story 6-room dwelling.
 Owner—Frank Fraga, 1825 Fremont Drive, Alameda.
 Architect—None.
 Contractor—Walter H. Anderson, 1014 Doris Court, Alameda. \$3000

OFFICE & STOREROOM

(654) NE COR. BROADWAY and 26th St., Oakland; one-story tile storeroom and 1-story brick office.
 Owner—Howard Aus Co., 25th and Webster Sts., Oakland.
 Architect—None.
 Contractor—F. T. Kennedy, 1051 7th St., Oakland. \$1500

DWELLING

(655) N VICTOR AVE. 200 E Atlas Ave., Oakland; one-story six-room dwelling.
 Owner and Builder—O. W. Johnson, 4554 Tompkins St., Oakland.
 Architect—None. \$4000

DWELLING

(656) 3456 GUIDO ST., Oakland; one-story 5-room dwelling and garage.
 Owner—William Watson, 4750 Meldon Ave., Oakland.
 Architect—None. \$3700

ADDITION

(657) 5700 MERRIEWOOD DR., Oakland; addition.
 Owner and Builder—Ralph J. Boomer, 827 60th St., Oakland.
 Architect—None. \$1000

RESIDENCE
(658) 1538 BANCROFT WAY, Berkeley; one-story 5-room 1-family frame residence.
Owner—E. M. Hinch, 333 Belvedere Ave., Oakland.
Architect—None.
Contractor—O. F. Abdon, 754 60th St., Oakland. \$3000

DWELLING
(659) N NORTH ST. 200 W Telegraph Ave., Oakland; one-story 7-room dwelling.
Owner—John Cava, 829 Chestnut St., Oakland.
Architect—A. W. Smith, First National Bldg., Oakland.
Contractor—G. Taylor, 2569 38th Ave., Oakland. \$5500

APARTMENTS
(660) W VAN DYKE 118 N Park Blvd., Oakland; three-story 48-room apts.
Owner—A. C. Nelson, 3600 13th Ave., Oakland.
Architect—Chester Treichel, American Bank Bldg., Oakland.
Contractor—Nelson Bros. \$32,500

BUILDING CONTRACT'S
Alameda County

No	Owner	Contractor	Amt.
80	Nickel	Nielsen	1072
79	Costa	Smith	3800
81	California	Vezev	4955
82	Farrelly	Gossett	14667
83	Regents	Ruhlman	569
84	Same	Otis	3795
85	Same	Lesure	1363
86	Same	Dohrman	7757
87	Regents	Phoenix	4614

RESIDENCE
(79) LOT 90, Higgins Trace, Berkeley; general construction on residence.
Owner—John and Mary B. Costa.
Architect—None.
Contractor—Robert Smith and assigned to E. M. Williamson, 3761 Alameda Ave., Oakland.
Filed May 15, '30. Dated Jan. 3, '30.
On signing contract.....\$ 200
When loan is obtained.....400
Progress payments.....Balance
TOTAL COST, \$3800
and deed to certain property.

ADDITION & ALTERATIONS
(80) 4006 CARRINGTON AVE., Oakland; general construction of addition and alterations to residence.
Owner—Viola Percival Nickel and E. M. Marquis, 2827 Russell Street, Berkeley.
Architect—None.
Contractor—C. W. Nielsen, 5143 Fairfax, Oakland.
Filed May 15, '30. Dated May 14, '30.
When plastered and roof on.....\$ 350
On completion.....722
TOTAL COST, \$1072
Specifications filed.

CAFETERIA BLDG.
(81) SW SAUNDERS and Martinez St., San Leandro; general construction on cafeteria building.
Owner—California Packing Corp.
Architect—None.
Contractor—Chas. D. Vezev & Sons, 354 Hohart St., Oakland.
Filed May 16, 1930. Dated.....
When roof is on.....\$1246.25
When floor and ext. wood-work is complete.....1246.25
When accepted.....1246.25
36 days after completion.....1246.25
TOTAL COST, \$4985
Bond, \$2492.50. Sureties, Fidelity and Deposit Co. Limit, 40 days. Plans filed.

POOL & BATH HOUSE
(82) DUTTON AVE. and Gill Lane, San Leandro; general construction on swimming pool and bath house.

Owner—Trustees of the Farrelly Pool, San Leandro.
Architect—City Eng. Dept., San Leandro.
Contractor—Chester A. Gossett, 327 Davis Court, San Leandro.
Filed and Dated May 17, 1930.
First of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$14,667
Bond, \$7500. Sureties, Karl N. Hyrup and Harry Larsen. Limit, 75 days. Plans and Spec. filed.

WINDOW SHADES
(83) INFIRMARY BLDG., campus of University of California, Berkeley; installing window shades for Infirmary Bldg.
Owner—The Regents of the University of California, Berkeley.
Architect—Arthur Brown Junior, 251 Kearny St., San Francisco.
Contractor—A. J. Ruhlman & Co., Inc., 444 Golden Gate Ave., San Francisco.
Filed May 17, '30. Dated May 12, '30.
On acceptance.....75%
Usual 35 days.....25%
TOTAL COST, \$569.70
Bond: Labor and Materials, \$500; Performance, \$500. Sureties, The Century Indemnity Co. Forfeit, \$10 per day. Limit, 25 days. Plans and Spec. filed.

ELEVATOR
(84) GILMAN HALL, campus of the University of California, Berkeley; installing elevator.
Owner—The Regents of the University of California, Berkeley.
Architect—W. P. Stephenson, 2034 9th Ave., Oakland.
Contractor—Otis Elevator Co., 333 13th St., Oakland.
Filed May 16, '30. Dated May 12, '30.
On completion.....75%
Usual 35 days.....25%
Bonds: Labor and Materials, \$3795; Performance, \$2000. Sureties, National Surety Co. Forfeit, \$25 per day. Limit, 75 days. Plans and Spec. filed.

ALTERATIONS
(85) ALTERATIONS on above.
Contractor—E. T. Lesure, 87 Ross Circle, Oakland.
Filed May 16, '30. Dated May 10, '30.
On completion.....75%
Usual 35 days.....25%
TOTAL COST, \$1363
Bonds: Labor and Materials, \$1000; Performance, \$1000. Sureties, Union Indemnity Co. Forfeit, \$10 per day. Limit, 35 days. Spec. filed.

EQUIPMENT
(86) INFIRMARY Bldg., campus of the University of California, Berkeley; installing kitchen equipment.
Owner—The Regents of the University of California, Berkeley.
Architect—W. P. Stephenson, 2034 9th Ave., Oakland.
Contractor—Dohrmann Hotel Supply Co., 927 Mission St., San Francisco.
Filed May 16, '30. Dated May 12, '30.
On completion.....75%
Usual 35 days.....25%
TOTAL COST, \$7757.32
Bonds: Labor and Materials, \$4000;

Performance, \$4,000. Sureties, Pacific Indemnity Co. Forfeit, \$25 per day. Limit, 35 days. Plans and Spec. filed.

LIGHTING FIXTURES
(87) GIANNINI HALL, campus of the University of California, Berkeley; furnish and install electric lighting fixtures for 3-story reinforced concrete building.
Owner—The Regents of the University of California, Berkeley.
Architect—Wm. C. Hays, 2924 Derby St., Oakland.
Contractor—Phoenix Day Co., 725 Mission St., San Francisco.
Filed May 20, '30. Dated May 14, '30.
Tenth of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$4614.30
Plans and Spec. filed.

COMPLETION NOTICES
Alameda County

Recorded	Accepted
May 14, 1930—LOT 33, Ruge and Lisbon Tract, Oakland. Ruge and Lisbon to Self.....	May 13, 1930
May 19, 1930—LOT 7, Dutton Manor Addn, San Leandro. Hattie May Bushnell to Joseph Franklin.....	May 19, 1930
May 19, 1930—256 FLORENCE AVE Oakland. Isabella Carl to A H Moneze.....	May 12, 1930
May 17, 1930—2527 HARRINGTON Ave., Oakland. Paul Louis Kick and Magdalena Silber Kick to whom it may concern.....	May 15, 1930
May 17, 1930—2521 HARRINGTON Ave., Oakland. Paul Louis Kick and Magdalena Silber Kick to whom it may concern.....	May 15, 1930
May 17, 1930—HOLY Sepulchre Cemetery on Niles Rd., Hayward. The Roman Catholic Archbishop of S F to J E Scully.....	May 5, 1930
May 17, 1930—LOT 61 BLK X, Fernside Tract, Alameda. H C Hansen to whom it may concern.....	May 14, 1930
May 15, 1930—LOT 92, Upper Piedmont Estates, Piedmont. F H Wiley to Thomas F L Furling.....	May 13, 1930
May 16, 1930—W MABEL ST 110 ft N of Russell St, Berkeley. Jack Ligon to whom it may concern.....	May 14, 1930
May 15, 1930—NW 22nd and UNION Sts, Oakland. Leon J Lascurties to Gaubert Bros.....	May 10, 1930
May 15, 1930—1501 101st Ave, Oakland. A B Clark and W L Moore to A E Waldman.....	May 14, 1930
May 15, 1930—LOTS 16 and 17 Blk I, amended map of Sunset Terrace, Albany. Paul C Groce to whom it may concern.....	May 1, 1930
May 15, 1930—REAR of 727 E 15th St, Oakland. L H Cochran to Karnak Tile & Mantel Co.....	May 10, 1930
May 13, 1930—CAMPUS of the University of California, Berkeley. The Regents of the University of California to Roberts Mfg Co.....	May 7, 1930
May 14, 1930—W SHATTUCK AVE bet Woolsey St, Berkeley, and 66th St, Oakland. C O Dull to J Daneri.....	April 22, 1930

Member Insurance Brokers' Exchange

FRED H. BOGGS

INSURANCE

490 GEARY STREET

Phone Franklin 9400

San Francisco

May 20, 1930—3967 HANLY ROAD.
John Fleming to whom it may
concern.....May 20, 1930
May 20, 1930—PTN LOT 144, Broad-
moor Park, San Leandro. Earl
and Harold Derry to whom it may
concern.....May.....1930
May 20, 1930—LOT 7 and PTN LOT
6 Blk K, Trumbull Tract, Oakland.
Manuel and Pauline Freitas to F
W Conlogue.....May 13, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
May 15, 1930—LOT 1151, Smith Re- serve, Oakland. Concealo Fixture Co vs W S & C W McPherson.....	\$46
May 16, 1930—LOT 5 BLK G, Ex- celsior Heights, Oakland. Ariss- Knapp Co vs Herbert Hofvendahl.....	\$262.75
May 19, 1930—LOT 17 and S 1/2 Lot 18 Blk 20, Regents Park No 8, Al- bany. A B MacMurtry vs Russell H Felt.....	\$95
May 19, 1930—LOTS 25 and 26 Arbor Villa, Oakland. Smith Hardware, \$1,574.30; Melrose Bldg Material Co, \$656.67, vs Chris Dietz.....	
May 17, 1930—LOT 5 BLK G, Ex- celsior Hgts, Oakland. W L Sax- by Roofing Co vs Herbert Hofven- dahl.....	\$320
May 17, 1930—LOT 5 BLK G, Ex- celsior Heights, Oakland. McGrath Steel Co vs H Hofvendahl, Som- marstrom Bros.....	\$329
May 17, 1930—LOT 3 BLK D, resub of Blks C and D, Flint Tract, Oak- land. McGrath Steel Co vs Ernest and Edna P Flores.....	\$1080
May 17, 1930—SW 26th and Magnolia Sts, Oakland. Herrick Iron Works vs Chas Gordon, Victor Ice Cream Co, M S Foss.....	\$220.10
May 17, 1930—NE SEVENTH Ave and E 24th St, Oakland. W J Mar- tinez vs Chris and Nell Dietz.....	\$92
May 14, 1930—LOTS 7, 8 and 9 and ptns 10 and 11 amended map of La Loma Tract, Berkeley. Boiler Pipe & Tank Co vs George and Minnie Frisbie, G Blood, Z H Mc- Cough and Nottingham Heating & Ventilating Co.....	\$34
May 14, 1930—LOT 12 BLK 6, Key Mound Heights, Oakland. Zenith Mill & Lumber Co vs C Rawson and S E Nelson.....	\$145.56
May 14, 1930—LOT 17 and S 1/2 Lot 18 Blk 20, map No 8 of Regents Park, Oakland twp. G O Gould vs R H Felt.....	\$170
May 20, 1930—NE SEVENTH Ave and E 24th St, Oakland. William M Schwartz (Myers & Schwartz) vs Chris Dietz, Martinez Electric Company.....	\$250
May 20, 1930—PTN LOT 1 BLK A, amended map of Lorin Heights, Berkeley. Ellie J Hunter vs Jes- sie G Nutting, Forrest O Jessle- ner.....	\$64.40
May 20, 1930—LOT 47 Ardmore Vil- la, San Leandro. J Schmidt and W Reed vs W A and Genevieve Altezoigt.....	\$650
May 20, 1930—LOTS 25 and 26 Ar- bor Villa, Oakland. Andrew Cal- dow, Aron Boladian vs Chris N Dietz.....	\$526.94
May 20, 1930—LOTS 25 and 26 Ar- bor Villa, Oakland. Hager Sash & Door Co vs Nell and Chris Dietz	\$2837

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
May 17, 1930—LOT 17 and ptn Lot 18 Blk 20, map No 8, Regents Pk, Albany. Tilden Lumber and Mill Co to Russell H Felt.....	\$548.50
May 17, 1930—LOT 1151, Smith Re- serve, Oakland. Concealo Fixture Co to G W, W A and Blanche Mc- Pherson.....	\$46

BUILDING PERMITS

SAN MATEO

RESIDENCE, \$8000; Lot 15 Blk 12,
No. 329 Irving St., San Mateo;
owner and contractor, G. Pedersen,
708 Laurel St., San Mateo.
ALTERATIONS, \$2000; No. 34 W.
Poplar St. W Por. Lot 34, San
Mateo; owner, H. Smith; contrac-
tor, Frank Perrea, 712 5th Ave.,
San Mateo.
ALTERATIONS, \$1000; Lot 1 Blk 7,
No. 233 Third Ave., San Mateo;
owner and contractor, A. Will-
iams, Premises.
RESIDENCE, \$7000; Lot 27 Blk 2-A
Seville Ave., San Mateo; owner,
and contractor, Meyer Bros., 727
Portola Drive, San Francisco.
ALTERATIONS, \$3500; No. 137 W.
Bellevue Ave. W Por. Lot 20, San
Mateo; owner and contractor, T.
A. Cavanaugh, 343 Virginia St.,
Berwood.
RESIDENCE, \$13,000; Lot 14, Hills-
borough Blvd., San Mateo; owner,
E. S. Shaver, 1401 Carmelita Ave.,
Burlingame; contractor, W. G.
Stoner.
RESIDENCE, \$7500; Lot C, Clark Dr.
and Costa Rica St., San Mateo;
owner, Agnes K. Finlay; contrac-
tor, R. Finlay, 1233 Balboa St.,
Burlingame.
CLUB, \$1000; Lots 1 to 12, Suming
Ave., San Mateo; owner, G. Yu-
hahcom; contractor, J. B. Peter-
son, 22 20th St., San Mateo.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
May 10, 1930—LOT 25 BLK 27 Vista Grande. M F Brass to whom it may concern.....	May 6, 1930
May 10, 1930—LOT 7 Part Lot 1 Blk 4, Burlingame Park. Edgar C Kister to whom it may concern	May 8, 1930
May 13, 1930—PART LOT \$2, Hus- ing Sul. of San Mateo. Einar A. Erickson et al to whom it may concern.....	May 5, 1930
May 10, 1930—LOT 14 BLK 1, South B St. Tract, San Mateo. Wallace Waterhouse to whom it may con- cern.....	May 8, 1930
May 10, 1930—LOT 1-A BLK 10, Sa? Carlos. A McDonald by Agent to Keppler Bros.....	May 9, 1930
May 12, 1930—LOT 8 BLK 25, Mil- brae Highlands. Elias Vigen to whom it may concern.....	May 10, 1930
May 12, 1930—LOT 53, Hillsborough Oaks. P J Monahan to whom it may concern.....	May 9, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
May 10, 1930—APPROX. .6734 Acres land, Woodside. Harry C Yates vs Charles N W Newell et al.....	\$3161
May 12, 1930—LOT 49 BLK 6, Bur- linghome. San Mateo Planning Mill Co vs Robert F Nielsen.....	\$169.10
May 12, 1930—LOT 9 BLK 13, Bay- view Heights, San Mateo. Chas F Magne vs Harry Hanush.....	\$1555.16

BUILDING PERMITS

SAN JOSE

RESIDENCE, 6-room frame, \$3750;
Locust St. near Grant, San Jose;
owner, S. B. Picone, 1135 Plum
St., San Jose; contractor, Ed. Del-

maestro, 460 W. Julian St., San
Jose.
STORAGE building, concrete, \$3000;
No. 753 The Alameda, San Jose;
owner, S. J. Tractor Co., Prem.;
contractor, Thermotite Constr.
Co., 580 Stockton St., San Jose.
RESIDENCE, frame, 6-room, \$3000;
Shortridge and 34th Sts., San
Jose; owner, Marshall Bernal,
1678 Shortridge St., San Jose.
ADD to Class C store and residence,
\$820; Willow and Lick Sts., San
Jose; owner, A. Badalamente,
1003 Lick St., San Jose; contrac-
tor, V. H. Caminetti, 375 Vine St.,
San Jose.
ALTER wooden office building, \$1000;
No. 522 W-Santa Clara St., San
Jose; owner, Bradford Mfg. Co.,
Premises.
RESIDENCE, 5-room, frame, \$2000;
Stockton St. near Newhall, San
Jose; owner, L. W. Hevrin, 819
Myrtle St., San Jose.
RESIDENCE, 5-room, frame, \$4000;
Mission and 14th Sts., San Jose;
owner and contractor, Sol. Gu-
ardino, 815 N-14th St., San Jose.
RESIDENCE, 5-room, frame, \$5750;
Shasta St. near Park, San Jose;
owner, F. O'Keefe, 960 S-Seventh
St., San Jose; contractor, Rollie
Williams, 1517 Shasta St., San
Jose.

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$5000; Lot 28 Blk 44,
Vancouver Ave., Burlingame;
owner and contractor, Moses
Little, Drake Ave., Burlingame.
BUNGALOW, \$6000; Lot 46 Blk 4,
Poppy St., Burlingame; owner &
contractor, Geo. W. Williams Co.,
1401 Broadway, Burlingame.
ALTERATIONS, \$1300; No. 273 Ban-
croft Ave., Burlingame; owner,
Mrs. J. R. Conder, Premises;
contractor, E. P. Stone.
BUNGALOW, \$4000; Lot 16 Blk 24,
Anita St., Burlingame; owner, D.
Hoale; contractor, W. Rappader

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$6700
No. 2350 Rawona St., Palo Alto;
owner, A. W. Hoy, 1557 Waverly
St., Palo Alto; contractor, G. H.
Kouns, 403 Marion Ct., Alameda.
DWELLING, frame and rustic, \$4750;
No. 659 Tennyson Ave., Palo Alto
owner, Elizabeth McJ. Tying, 1260
Emerson St., Palo Alto; contrac-
tor, Osborne & Knight.
CLEANING works, Class C, \$2000;
No. 230 Homer Ave., Palo Alto;
owner, R. M. Sullivan, 543 Emers-
on St., Palo Alto; contractor,
Black & Campbell, Hearst Bldg.,
San Francisco.
CLEANING works, Class C, \$5500;
No. 230 Homer Ave., Palo Alto;
owner, R. M. Sullivan, 543 Emers-
on St., Palo Alto; contractor,
Black & Campbell, Hearst Bldg.,
San Francisco.
DWELLING, frame and rustic, \$3000;
No. 671 Princeton St., Palo Alto;
owner, John Tucker; contractor,
Encell & Tucker.
RESIDENCE, frame and stucco, \$9,-
700; 320 Sequoia Ave.; owner, W.
S. Miller, 2550 Bartlett, Palo Alto;
architect, Douglas D. Stone, 1708
Broadway, Oakland; contractor W.
S. Miller, 2550 Bartlett, Palo Alto.

BUILDING PERMITS

REDWOOD CITY

DWELLING, 2-story 6-room frame (2 baths, garage), \$11,000; 935 Durlston road; owner, L. C. Rowen, 903 Durlston road, Redwood City; contractor, H. Dabnnett, 2350 South Court, Palo Alto.

DWELLING, frame, 5 room, bath and garage, \$4000; 804 Brewster Ave.; owner and builder, S. Morris.

BUILDING CONTRACTS

MONTEREY COUNTY

HOTEL

LOT K BLK 14, Sherwood and Hellman's Map, City of Salinas. All work for two-story Class C hotel and store building.

Owner—King Lung Co., 40 Soledad St., Salinas.

Architect—W. E. Greene, 27 Lincoln Ave., Salinas.

Contractor—W. E. Greene, 27 Lincoln Ave., Salinas.

Filed May 12, '30. Dated May 5, '30.

Footings poured and 1st floor joists in place.....\$2000

1st floor concrete walls poured and 2nd floor joists in place.....2500

2nd floor concrete walls poured and rafters in place.....2500

Interior lathing and 1st coat plaster on.....2500

Completed and accepted.....3415

Usual 55 days.....4265

TOTAL COST, \$17,220

Bond, \$8550. Surety, C. Tynan and T. G. Ryan, Jr. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SUBSTATION

CHUALAR All metal lath and plaster work for substation.

Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.

Architect—None.

Contractor—Jacobsen & Nielsen.

Filed May 9, '30. Dated April 22, '30.

Work completed.....75%

Usual 35 days.....25%

TOTAL COST, \$1795

Bond, \$1795. Surety, Great American Indemnity Co. Limit, 15 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted

May 5, 1930—LOT 19 BLK 75, Map of Carmel-by-the-Sea. Monterey Co. Trust & Savings Bank to Hugh Comstock.....May 1, 1930

May 10, 1930—LOT 12 BLK 5, Map of Live Oaks Park, San Mateo. Alfred A Maier to whom it may concern.....May 5, 1930

May 10, 1930—LOTS 5, 6, 7 AND 8 Blk 7, Geil, Lang & Kessel's Addition to City of Salinas. John H Clark to John H Clark.....May 8, 1930

May 12, 1930—5 ACRE PTN OF Lino de Buena Vista Rancho, 2 miles S of Salinas on Los Angeles Highway. W E and John C Fitzpatrick to John Shedd.....May 8, 1930

May 13, 1930—LOTS 2, 4 and 6 BLK 31 Little's Survey, Monterey. Lono Favazzo to E H Sundberg.....May 12, 1930

May 16, 1930—N 1/4 of LOTS 10 and 11 Blk 12, map of Monterey Hgts, Monterey. H F and Olive Larder to M J Murphy, Inc.....May 12, 1930

May 19, 1930—LOT 14 BLK 10 1/2 Homestead Addn, Salinas. Theodore Lillian to whom it may concern.....May 19, 1930

May 19, 1930—NLY LINE of Cattleman's Lane from the SW corner of Block 1, Spring & Abbott's Addition. Grover Hurt and Clarence Fegulia to whom it may concern.....May 19, 1930

May 19, 1930—SOUTH SIDE of Cattlemen's Lane, bet. Los Angeles Highway and King City, in Block No 280. Monterey Co Ice & Development Co to P T Wallstrum.....May 17, 1930

May 20, 1930—LOT 10 SW1/4 20 ft of Lot 8 in Block 26 map of First Addn to Pacific Grove Retreat. Ralph D Horton to whom it may concern.....May 19, 1930

May 20, 1930—LOT 8 BLK 6, map Geil, Lang & Kessel's Addn to Salinas. Clarence E Holms to J T Butler.....May 20, 1930

BUILDING PERMITS

RICHMOND

SERVICE Station, super., 3 all steel buildings, \$1600; NW corner 2nd and MacDonald; owner and builder, Roy Atwood, 109 MacDonald, Richmond.

COTTAGE, 5-room frame & plastered, garage, \$5500; W S Quinn between Barrett & Nevin; owner & builder, W. M. Johnston, 1279 Arguello Blvd., San Francisco.

COTTAGE and garage, 4-room frame and plaster, \$3000; W S Ripley bet. 3rd and A; owner, J. A. Pontanel, 965 Hyde St., San Francisco; contractor, Tandy & Theis, 1937 Garvin, Richmond.

COTTAGE, 5-room frame and plaster, \$2250; E S 13th bet. Barrett and Roosevelt; owner and builder, F. C. Hosking, 541 Civic Center, Richmond.

STORE bldg., 25x58 tile, \$2750; N S MacDonald bet. 13th and 14th; owner, Joe Perasso, 14th and MacDonald; contractor, Carl Overo, 2105 Roosevelt, Richmond.

BUILDING PERMITS

STOCKTON

ADD to building, \$....; 526 W Magnolia St.; owner, Dameron Hospital, 526 W Magnolia St., Stockton; contractor, O. H. Chain, Bank of America Bldg., Stockton.

SUPER service station, \$7000; No. 545 N-Wilson Way, Stockton; owner, L. E. Grimsley, Inc., 1 S-Aurora St., Stockton; contractor, J. A. Allen, 525 E-Market St., Stockton.

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

ALTERATIONS

SW LINCOLN AND MAGNOLIA Sts., Stockton. All work for alterations to existing portions of three-story and basement addition to present hospital buildings.

Owner—Dameron Hospital, Premises.

Architect—None.

Contractor—O. H. Chain, Bank of America Bldg., Stockton.

Filed May 17, '30. Dated May 10, '30.

TOTAL COST, \$33,634

Bond, none. Limit, 115 working days from and after date of authorization to remove present kitchen building.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted

May 20, 1930—LOT 9 BLK 4, Lincoln Manor. George A Good to Johnson Bros.....May 10, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount

May 15, 1930—PORTION OF SURVEY 2935, Stockton. San Joaquin Brick Co, \$343.13; Robert Davidson, \$915 vs Joseph, Louise, Bennie, Annie, Emil and Josephine Delucchi.....

BUILDING PERMITS

MARTINEZ

APARTMENTS, three 3-room frame and stucco, \$7500; Haven and Alhambra Ave.; owner, Joe Bangers, Martinez; architect and contractor, L. Ford, 1435 Harrison St., Oakland.

COMPLETION NOTICES

SONOMA COUNTY

Recorded Accepted

May 20, 1930—WALLACE PARK. Petaluma, part of Lot 553 of Petaluma. L L Wallace for Mrs J M Wallace to Wm Silva and Thomas J Ellis, Sylvia & Ellis.....May 12, 1930

May 20, 1930—SOUTH 30 FT of Lot 15, north 15 ft of Lot 16, div 4, Eagle Nest. Richard Francis Harold to whom it may concern.....May 19, 1930

LIENS FILED

SONOMA COUNTY

Recorded Amount

May 16, 1930—LOT 5 BLK 2, Picetti Terrace, Sonoma City. Dickinson Bldg Material Co; Don Dickinson; M J Dickinson vs Charles L Donovan and E Rohde.....\$249.93

May 16, 1930—LOT 5 BLK 2, Picetti Terrace, Sonoma City. L A Drake vs Charles L Donovan.....\$230.26

May 17, 1930—LOT 5 BLK 2, Picetti Terrace, Sonoma City. L P Kearney; El Verano Lumber Yard vs Charles Donovan; Black & White Co; John Doe and E Rohde.....\$65 and interest

May 17, 1930—LOT 5 BLK 2, Picetti Terrace, Sonoma City. L P Kearney; Sonoma Valley Lumber Co vs Charles Donovan; Black & White Co and John Doe.....\$473.80 and interest

May 17, 1930—LOT 5 BLK 2, Picetti Terrace, Sonoma City. L P Kearney; El Verano Lumber Yard vs Charles Donovan; Black & White Co and John Doe.....\$357.46 and interest

RELEASE OF LIENS

SONOMA COUNTY

Recorded Amount

May 15, 1930—10 ACRES, Part of allotment No. 9, Rancho Roblar de la Miseria. Mead Clark to Armon Din, Armin Din, Myrtle Din and Thomas L Slattery.....\$74.50

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted

May 19, 1930—MILL VALLEY, Flora K Beals to whom it may concern.....May 3, 1930

May 14, 1930—SAN ANSELMO. J F McPherson to whom it may concern.....May 14, 1930

May 14, 1930—CORTE MADERA. Geo Kanrich and Stephen Eden to whom it may concern.....May 14, 1930

May 13, 1930—LARKSPUR. Alice de

V Cagwin to Wm F Wegner..... May 13, 1930
 May 14, 1930—SAN ANSELMO. Al-
 bert H Selmer and George Kendall
 to whom it may concern..... May 13, 1930

LIENS FILED**MARIN COUNTY**

Recorded	Amount
May 14 1930—MARIN HIGHLANDS.	
San Anselmo Lumber Co vs E W	
Riggs	\$141

RELEASE OF LIENS**MARIN COUNTY**

Recorded	Accepted
May 16, 1930—MILL VALLEY. F W	
Wardell to Mrs Lillian Parreira.....	

BUILDING PERMITS**SACRAMENTO**

APARTMENTS (35-room), \$22,000;
 1409-1411 G St., Sacramento;
 owner and contractor, Hark &
 Mackrell, 1705 M St., Sacramento.
 ADD to residence, \$1000; No. 6000 S
 St., Sacramento; owner, E. H.
 Burger, 1712 M St., Sacramento.
 RESIDENCE (7-room), \$5500; No.
 2955 Highland Ave., Sacramento;
 owner, W. H. Gilbert, 2837 38th
 St., Sacramento.
 RESIDENCE, 6-room, \$4950; No. 1140
 Marian Way, Sacramento; owner,
 George I. Batelle, 2218 H St., Sacra-
 mento.
 GENERAL repairs, \$1500; No. 1300 H
 St., Sacramento; owner, Mrs. E.
 W. Hale, Premises.
 RESIDENCE, 6-room, \$6500; No. 1500
 40th St., Sacramento; owner,
 Chas. Vanina, 2022 M St., Sacra-
 mento.
 REPAIRS, general, \$2000; 1600 M St.;
 owner, A. M. Henderson, pre-
 mises; contractor, P. Opdyke, 1506 F
 St., Sacramento.
 RESIDENCE, 6-room, \$4500; No. 510
 Santa Ynez Way, Sacramento;
 owner, H. M. Dunkel.
 GENERAL repairs, \$2200; No. 230 O
 St., Sacramento; owner, S. Ku-
 yamoto, Premises; contractor, K.
 Yabuki, 1322 3rd St., Sacramento

COMPLETION NOTICES**SACRAMENTO COUNTY**

Recorded	Accepted
May 14, 1930—LOT 21 Addition B to	
East Sacramento. Bertha P	
Kaiser to whom it may concern.....	
May 13, 1930	
May 14, 1930—ISLETON. Southern	
Pacific Co to whom it may concern	
..... May 10, 1930	

LIENS FILED**SACRAMENTO COUNTY**

Recorded	Amount
May 17, 1930—LOT 70 H J Goethe	
Addn. Oak Park Lumber & Mill-	
ing Co vs L Hansen, Joe De Frisco	
and Etta and Niels Hansen.....\$403.44	
May 156, 1930—LOT 67, East	
Nichols Park, Sacramento. Mapes	
Lumber Co vs G W Feckinpaugh	
and Willard Henry Jones.....\$76.27	

BUILDING PERMITS**FRESNO**

ALTERATIONS, \$10,000; No. 1041
 Fulton St., Fresno; owner, Fresno
 Guarantee Bldg. & Loan Co.,

Premises; contractor, Fisher &
 Lake, Pacific Southwest Bldg.,
 Fresno.

COMPLETION NOTICES**FRESNO COUNTY**

Recorded	Amount
May 13, 1930—LOTS 5 AND 6 BLK	
5, Fresno. John Volanti to whom	
it may concern..... May 1, 1930	
May 14, 1930—LOT 5 W ½ LOT 6	
Blk 15, Belmont Addition, Fresno	
W H Richmond to whom it may	
concern..... May 12, 1930	
May 14, 1930—LOT 98, Washing-	
ton Col., Fresno. Pete D Som-	
mers to whom it may concern.....	
May 10, 1930	
May 15, 1930—LOT 39 Blooming-	
ton Terrace, Fresno. Arsen M	
Thomas to whom it may concern	
..... May 14, 1930	
May 16, 1930—LOTS 1 AND 2 BLK	
51. L M Schwartz to E W	
Tribble..... May 10, 1930	

NOTICE TO CONTRACTORS

SEALED BIDS will be received by
 Geo. B. McDougall, State Architect,
 Public Works Building, 11th and P
 Streets, Sacramento, California, up un-
 til 2 o'clock P. M., Tuesday, June 17,
 1930, thereafter on said day to be pub-
 licly opened and read for the erection
 and completion of Guard House, Veter-
 erans' Home, Yountville, California, in
 accordance with plans and specifica-
 tions therefor.

The building will be a two story re-
 inforced concrete structure with wood
 and tile partitions, wood roof con-
 struction and tile roof. The total floor
 area is approximately 3500 square feet.

Plans and specifications are on file
 for examination in the office of the
 Division of Architecture, Public Works
 Building, Sacramento, California, and
 also at Room 1025 Associated Realty
 Building, Los Angeles, and at the

principal California Cities Builders'
 Exchange Offices.

Plans, specifications and proposal
 forms may be secured by licensed con-
 tractors who have qualified or who
 will qualify by furnishing a verified
 statement of experience and financial
 condition as required by the provisions
 of Chapter 644, Statutes 1929, and
 whose statements so furnished are
 satisfactory to the Department of
 Public Works. Questionnaire forms
 may be secured from the Division of
 Architecture.

Bids will not be accepted from a
 Contractor to whom a proposal form
 has not been issued and all bids must
 be on proposal forms supplied by the
 State.

Requests for plans shall be accom-
 panied by a deposit of twenty-five
 (\$25.00) dollars. Check shall be made
 payable to the Department of Public
 Works, Division of Architecture. De-
 posit will be returned upon receipt of
 the set in good condition, at Sacra-
 mento Office of the Division within 30
 days after opening bids, otherwise it
 will be forfeited to the State.

All bids must be filed at the office
 of the State Architect on or before the
 time heretofore stated and in accor-
 dance with the "Rules for Bidding" ac-
 companying the proposal form.

No bid will be considered unless cash,
 a bidder's bond made payable to the
 State of California or a certified check
 made payable to the "State Engineer,
 Department of Public Works," in the
 sum of at least ten per centum (10%)
 of the amount of the bid is enclosed
 with the bid.

The Division of Architecture, State
 Department of Public Works, reserves
 the right to reject any or all bids and
 to waive any informality in any bid
 received.

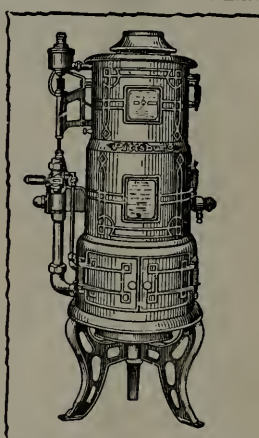
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Geo. B. McDougall,

State Architect.

B. B. MEEK,

Director of Public Works.



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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., MAY 31, 1930

Thirtieth Year No. 22
Published Every Saturday



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., MAY 31, 1930

Thirtieth Year, No. 22

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year.....6.00
Single Copies.....25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone GA 6416 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

APRIL BUILDING PERMITS IN TWELVE LEADING STATES

	No. of Places	Vol. of Permits
New York	49	\$52,629,994
California	67	17,823,182
Pennsylvania	28	16,134,522
Ohio	29	12,474,850
Illinois	52	11,046,500
New Jersey	37	9,844,955
Michigan	21	8,526,255
Massachusetts	30	7,279,340
Texas	19	7,002,957
Wisconsin	21	6,059,898
Missouri	5	5,939,230
Maryland	4	5,780,118

BERKELEY WANTS NEW CITY MANAGER

With the formal acceptance of City Manager John N. Edy's resignation, Mayor Thomas E. Caldecott of Berkeley, announces that applications for the position will be received in his office until June 2.

Applicants for the position are requested by Mayor Caldecott to submit their qualifications and credentials with their applications. It is understood that more than a dozen city managers and several civic leaders already have applied for the position, which carries a maximum salary of \$10,000 per year.

John Edy, the present city manager, resigned to accept a similar position at Flint, Michigan, paying \$15,000 a year with an annual increase of \$1000 until the maximum of \$20,000 a year is reached.

REPUBLIC STAINLESS STEEL UNIT FUNCTIONING

Operations have been started in the new stainless steel finishing division of the Republic Steel Corp., it is announced by T. M. Girdler, chairman of the company. The new equipment, located at Massillon, gives Republic the largest capacity in the world for the production of highly polished stainless sheets. The metal is produced under Krupp license.

The equipment consists of 40 units, specially designed by Republic engineers. Rough grinding, polishing and buffing operations are carried on in separate rooms so that no grit in the air may mar the final finish. In securing the mirror finish new oscillating type machines are used which eliminate all polishing marks.

According to Republic officials, the development of machinery for quantity polishing of Enduro Nirosta stainless steel largely solves the problems of its production on a volume basis in this country. The pressure for large scale output is increasing rapidly, with the expanding demand for stainless in a growing number of industries including automobiles, building, oil and aviation. About 40 per cent of the demand is for polished metal.

FIR-TEX PLANT WILL BE OPERATING JULY 1

Completion of the new \$1,500,000 plant of the Fir-Tex Insulating Board Company at St. Helen's, Ore., by July 1.

The new product will be placed on the market shortly following that date. Fir-Tex is a thermal insulating board made entirely by the disintegration of wood fibers by converting wood waste, consisting of limbs, edgings and slabs. Through a process invented by A. E. Millington, now vice-president and general manager of the Fir-Tex Insulating Board Company, these waste products will now be made into a commodity for which its makers claim greater tensile strength, fire-resisting and water-proofing qualities than insulating boards now on the market.

Early in July the \$1,500,000 Fir-Tex plant at St. Helen's, Ore., is expected to be in operation. The estimated annual capacity will be 75,000,000 feet of insulating board and lath.

In 1928 A. E. Millington (father) and C. A. Millington (son) built a laboratory at Standard, Calif., and for many months quietly made various kinds of sawdust stew. They found out what they wanted to find out, and took out patents on their discoveries. Then they surveyed the Pacific Northwest for suitable plant-site and interested some major financiers in their project. Now they are making their final plans for production and marketing.

Raw materials for Fir-Tex will come from the sawmills tributary to the Columbia River between Portland and Astoria. This volume of waste will make possible a potential daily production of 6,000,000 square feet of Fir-Tex (capacity of present unit is 250,000 per day). Chippers will be installed at the sawmills, to reduce slabwood to half inch chips. These will be loaded on barges and brought to the Fir-Tex docks. A belt conveyor will take the chips to a battery of 6 rotary globe digesters, each 15 feet in diameter, where they will be cooked with live steam. After several hours' cooking the softened chips will be transferred to storage pits and thence to the shredding machines. These machines, Millington-designed, instead of grinding up the fibers, pound them apart, freeing the individual shreds. What was once a multitude of chips will now be a running mass, which goes from the last shredding machine to the mixing tanks. Thence the pulp goes to the board machine, designed by the Millingtons, and largest ever built for insulation board. The product emerges from this machine as an endless board, at the rate of 20 feet per minute. After passing through the dryer the board is inspected for color and weight, and they cut by automatic saws into standard sizes. The entire process requires less than eight hours.

Among the directors of Fir-Tex are Herbert Fleischacker, Lee A. Phillips, Franklin T. Griffith, K. D. Dawson, C. E. Dant, H. F. McCormick and other Pacific Coast financiers.

LOS ANGELES VOTES \$38,800,000 FOR WATER DEVELOPMENTS

Los Angeles last Tuesday voted a bond issue of \$38,800,000 to finance improvements and extensions to the municipal water works system.

Included in the project for which the bonds were voted are plans for enlarging the present Owens river valley aqueduct; purchase of rights in Owens valley and surrounding Mono lake; construction of a tunnel to carry the Mono basin water to the headwaters of the Owens river; construction of reservoir dams in the upper Owens valley and along the aqueduct and improvement of the water system within the limits of Los Angeles.

A large single item included under the bond issue is \$5,790,000 for the purchase of the towns of Bishop, Laws Big Pine, Independence and Lone Pine. Also \$6,660,000 has been allotted for the purchase of privately owned property in the Owens and Long valleys and \$7,000,000 for buying lands and water rights in Mono basin.

RULING ON PUBLIC GARAGE AS NUISANCE STANDS

The Supreme Court has refused to review the determination of a Pennsylvania court that a public garage is a nuisance merely because it is a garage, says the U. S. Daily.

This was made known by the court on May 19 in denying a petition for a writ of certiorari in the case of Riesenman, et. v. Nesbit, et al., No. 771.

This action arose out of a bill in equity in the Court of Common Pleas of Venango County, Pa., to enjoin as a nuisance the garage business operated by the petitioners at Franklin, Pa. The brief pointed out the garage is housed in a new \$40,000 building which contained a salesroom, storeroom, two offices, rooms on the second floor for the storage of automobiles, and a shop on the first floor in the rear equipped with hand tools and a few small electric machines for light repairs only.

Relying on the decision of the Pennsylvania Supreme Court in the case of Ladner v. Siegel (233 Pa. 305, 310), the lower court ruled the garage was a nuisance per se, it being situated in a residential section. The court thereupon enjoined the petitioner's business as a private nuisance, not by reason of the evidence produced at the trial, it was claimed, but by reason of the terms of the arbitrary nuisance per se rule.

It was urged that the application in this case of the public garage rule, is an arbitrary exercise of authority violating the Fourteenth Amendment in that it conclusively presumes the facts in individual cases, and is not the equivalent of a rule of evidence defining a prima facie case.

"The public garage rule," as announced has no real or substantial relation to the general welfare, it was asserted.

ESTIMATING FEE SYSTEM OF A. G. C. UNIT IS SATISFACTORY

(Memphis Chapter of Associated General Contractors of America Adopts System for Compensating Contractors for Expenses Involved in Making Bids. Reprint from "The Constructor," A. G. C. Publication.)

The use of the estimating fee system by the Memphis Chapter of the Associated General Contractors was begun over a year ago and was found to be a very satisfactory means of providing compensation to contractors for the expenses attendant upon making out bids. The inauguration of the system occurred during an abnormal period of recession in business activities and its success under such conditions is seen as an added point in its favor.

During the period in which the estimating fee system has been in force in the Memphis district, out of a volume of work totalling \$1,500,000, over \$19,000 were handled in fees of which \$14,979.98 went to the participating bidders and \$4,185.00 went to the association to reimburse it for the expenses involved in carrying on the work. Mr. R. G. Church, secretary of the Memphis Chapter, reports that the association has a partial record of 63 building projects in the district. Of this number 59 (involving 265 bidders) were awarded to firms bidding in the fee, eight were projects awarded to firms outside the local chapter, which did not participate in the estimating fee; however, in every one of these projects the difference between the low bid and the lowest bid in which the fee was estimated was greater than the amount of the estimating fee—in other words the estimating fee was not instrumental in losing the job. Three of the total number of projects had no fee placed upon them, it being waived because of conditions peculiar to the projects. On two of the projects the work was done by the owners. On one project on which the fee was placed delays occurred and all bids were finally rejected.

Since the use of the system had proved so satisfactory to all members it was decided to incorporate it in the by-laws of the chapter. The rules governing the estimating fee system as they stand now in the by-laws follow in full:

Approximate Amount of Total Bid	Av'g Per M'br Fee
\$ 000.00 to 2,000.00	\$ 00.00
2,000.00 to 3,000.00	10.00
3,000.00 to 5,000.00	12.00
5,000.00 to 10,000.00	15.00
10,000.00 to 15,000.00	20.00
15,000.00 to 20,000.00	25.00
20,000.00 to 30,000.00	30.00
30,000.00 to 40,000.00	40.00
40,000.00 to 50,000.00	50.00
50,000.00 to 60,000.00	60.00
60,000.00 to 75,000.00	75.00
75,000.00 to 100,000.00	100.00
100,000.00 to 150,000.00	150.00
150,000.00 to 200,000.00	200.00
200,000.00 to 300,000.00	250.00
300,000.00 to 400,000.00	300.00
400,000.00 to 600,000.00	400.00
600,000.00 to 1,000,000.00	500.00
1,000,000.00 to 2,000,000.00	600.00

Schedule of Estimating Fees

"Sec. 1. Name: That hereafter the members of this association engaged in construction work, in addition to the regular dues hereinbefore assessed, shall be assessed with fees on the estimating fee system plan, as hereinafter set out, such activity to be known as the Estimating Fee System of the Memphis Chapter, Associated General Contractors of America, Inc.

Purpose a Nominal Expense Sharing
 "Sec. 2. Purpose: The fee system is a nominal expense-sharing system among contractors, its purpose being

dual: First, in a measure to reduce the loss of contractors for expenses in making bids, thus encouraging reasonable competitive bidding; and, second, the reduction of such overhead expense of contractors, usually figured in bidding, enabling him to reduce estimated overhead costs, also included, thus encouraging building construction.

"Sec. 3. Jurisdiction: That the operation of the fee system be under the jurisdiction and supervision of the executive board of the chapter, and the staff of the chapter carrying on the detailed activities incident to the successful operations of same.

"Sec. 4. Participants: That all sustaining members of the local chapter, as well as all A. G. C. members from foreign chapters or branches of the national association be permitted to participate in the fee system, and in addition any non-member may, upon application to and in the discretion of the executive board, Associated General Contractors of America, participate in said system.

"Sec. 5. Fee Schedule: That for the purpose of the system, a schedule of fees (given in accompanying box) per member bidding, ranging from approximately 1/2 to 1/20 of one per cent of construction cost, is adopted.

"Sec. 6. Operation: (a) That each participant immediately upon deciding to bid on a project shall notify the manager or the association office, that he or they intend to bid on said project.

"(b) That the manager, upon finally ascertaining the number of bidders upon any one project, and if possible not less than two days prior to the date set for submitting bids, shall inquire of a sufficient number of bidders as to the probable cost of the project to permit him, the manager, or his duly authorized assistants, to approximate this cost, at which time the manager shall determine from the schedule outlined above the per member fee for said project and then multiply this per member fee by a number which is one less than the participating members so bidding, the resultant figure being the total fee to be collected from the successful bidder, if a participant in this system.

"(c) That the manager shall then notify each participant the amount of the total fee to be paid by the successful bidder.

"(d) That all participants, submitting on any project, within the jurisdictional boundaries of the chapter and for the purpose of this system, shall file with the manager of the chapter an exact copy of his or their proposal on the particular project and at the same time as the original proposal is submitted to the owner, architect, engineer or agent of either. The proposal so filed with the manager of the chapter, to be sealed and properly identified on the envelope enclosing same.

"(e) That immediately after the time when the bids are to be opened by the owner, architect or engineer or their agent, the manager shall open the bids which have been submitted to him on said project and, as outlined above, tabulate them. Upon completion of the tabulation and his ascertaining the lowest bidder, the manager, or his duly authorized assistant, shall notify at once the said low bidder that his proposal is the lowest of the bids submitted by participants in the fee system.

Successful Bidder Sends Check for Fee

"(f) Upon the award of the contract, the successful bidder, if a member of this chapter or participant in this system, shall within 30 days after the award, forward to the office of the association, or give to the manager in person, a check covering the total amount of the estimating fee on said work, theretofore given him by the manager or association office, which check shall be made out to the order of the Memphis Chapter, A. G. C. of A., Inc., and be deposited to the account of the association. It shall then be the duty of the manager, or his duly authorized assistants, to compute the amount of the fee which shall accrue to the association and which amount, in all cases, shall be twenty per cent of the total fee, as collected from the successful bidder. The manager, or his duly authorized assistants, shall then pro-rate the remaining amount of the fee, after having subtracted the amount accruing to the association, among the unsuccessful bidders, and shall draw and forward checks for the amount of their pro-rate to all unsuccessful bidders, which checks and figures shall be checked by the secretary-treasurer of the association and which officer shall sign said checks. The disbursements of monies in the association funds and received from such estimating fees, shall not be construed as violating Article XII of the By-laws.

"(g) That the manager shall, after the award of the contract, forward to each bidder a complete tabulation of the bids, alternates, etc.

"Sec. 7. Ethics: (a) That is understood to be essential for the successful operation of the estimating fee system that when bids are solicited and received by an owner, architect, engineer or his agent, no participant shall hereafter solicit the work on a percentage basis, or any other form of cost-plus contract, provided, however, that any participant shall have the right to accept the work on a percentage basis if tendered him without guaranteed maximum cost or at a guaranteed maximum cost not less than his original bid.

"(b) It is further understood as being essential to the successful operation of the estimating fee system that the amount of a bid after once having been filed with the architect, owner, engineer or their agent, and opened, should not be altered except when substantial changes are made in the work or when further bidding on alternate items is requested. In the event of such change, or further bidding, the contractor should bid only on the item specified and should increase or decrease the amount of his bid only in proportion to the change or alternate involved. Any reduction of a bid disproportionate to such change or the submission of any alternates which in effect produce such a disproportionate reduction, constitutes unfair competition. However, the low bidder may decrease his bid upon all or any part of the work for any reason he sees fit.

Bidders Must Notify Manager If Called In

"(c) That should any bidder, other than the lowest, be called in by the owner, architect, engineer or their agent, for consideration of the contract, then that bidder shall notify the manager of the chapter when he is so called in and in notifying the manager, he may secure from the

manager the name and amount of the bid of any bidder whose proposal is between the amount of the lowest bidder and the amount of the bid called in and making the request, as provided for in this paragraph, and that the low bidder shall be given the same information subsequently to any other bidder under circumstances as provided for in this paragraph.

"No person or firm shall be entitled to receive any estimating fee who has not in good faith made calculations of the cost of the work; and the manager, before paying out any fees, may at his option, demand from one or more or all of the bidders, their work sheets showing work done in preparing estimates or bids. No member shall file a complimentary figure or bid without notifying the manager, and upon such notification, he will be included on the list of participants of the fee system on that job. In the event any member submits a complimentary bid without notifying the manager, he shall be assessed and pay to the association the amount of the fee he would have received had he been a participant in the system. Nor shall any member furnish figures or facts for a complimentary bid of another contractor without notifying the manager or association office. Any member so doing shall forfeit his right to an estimating fee, and his share will revert to the successful bidder paying same.

Permanent Changes In Rules Only by Vote

"Definite or permanent changes in the aforesaid rules and provisions can be made only by a proper vote of the members, in regular or special meeting, with notice of said meeting made in writing or by an announcement at a meeting, at least thirty days prior to the date of the called meeting for the purpose of considering change or changes in the aforesaid rules and provisions, but provided, however, that temporary deviations may be made on special conditions only, under authority of the executive board."

Some questions arose in connection with the legality of the system and in order that these might be settled it was determined to secure an opinion on the matter from competent authority. The plan was submitted to the firm of Crabtree & Crabtree, Memphis lawyers, and a draft of the by-laws was drawn up by them. The opinion of the firm on the legality of the system is given in full below.

"As we understand the proposed system as expressed in the proposed by-laws, it is a nominal expense sharing system among contractors, whereby they may receive a nominal return for the labor and expense incident to the conscientious preparation of estimates or bids on construction work. This, the members of your association believe, will be of great benefit to themselves and the public (especially those employing contractors or competitive estimates) in that the expense of preparing and submitting estimates or bids, being part of the contractor's overhead expense, and considered and included in every bid submitted by him, is reduced and economically distributed. It seems to us that, if not abused, this would tend to the benefit of persons seeking estimates, in that the entire expense of contractors in former unsuccessful estimates would not be reflected in the estimates on their job, and yet the proposed schedule of fees is not of sufficient size to encourage fraud. And, too, the fact that under the proposed system the unsuccessful bidder is not burdened with the entire expense of preparing his estimate, should encourage, rather than stifle reasonable competition.

No Interference With Competition or Prices

"If the system can accomplish this

mutual benefit to its members and the public, without tending to impair competition or enhance prices, it is our opinion that it will be upheld by the courts. If it does not, it will be adjudged an unlawful restraint of trade and as such unenforceable. While the individual members of your association may bid or refuse to bid, increase or decrease prices as they see fit, they cannot enter into an agreement or combination to do either.

"In this connection, we would call your attention to two associations attempting, in a far more restrictive manner, to regulate the estimates or bids of their members

"1. About 1897, the Milwaukee Masons & Builders Association established by-laws providing among other things: (a) That all bids from members be first submitted to the association, by whom the low bidder was determined, and to his bid was added six per cent for the benefit of the association before it was submitted; (b) Members not first submitting their bids to the association would submit no bid; (c) No member should bid on changes or alterations on the same work. Members were fined for non-compliance; and by contract, complying members received rebates in price from materialmen.

"In a suit to collect from one of its members various sums due under these by-laws, the Supreme Court of Wisconsin held that they amounted to an unreasonable and oppressive restraint of trade and denied recovery. Milwaukee Masons & Builders Association v. Niezerowski, 95 Wis., 129; 37 L.R.A., 127.

"2. At about the time of the organization of the Milwaukee Builders, a majority of the master plumbers of the city of Memphis formed an association and adopted like by-laws, providing among other things: (a) Each member would report weekly all work done, and if it developed that this work was done in competition with another member he was charged a certain schedule for each item ranging from ten to 25 per cent of the price charged therefor; (b) No member should purchase supplies from dealers not complying with their regulations; and (c) No member should purchase materials from anyone other than a member of the association.

"In a suit to collect assessments under these by-laws (Bailey v. Master Plumbers Association, 103 Tenn., 99; 46 L.R.A., 561), the Supreme Court of Tennessee approved and followed the ruling of the Wisconsin Court, saying:

"In its essential facts the present case is very similar to that of Milwaukee Masons & Builders Association v. Niezerowski, decided by the Supreme Court of Wisconsin. Certain by-laws of the association suing in that case, required that all bids of its members should be first submitted to a committee of the association, which should decide who was the lowest bidder, that he should then add at least six per cent to the amount submitted to the committee and present only the increased figures as his bid to the person desiring to build, and that the member so securing the contract should pay to the association the amount of the increase on his bid as submitted to the committee. The defendant was a member of the association, made a contract for the erection of the Gesù Church of Milwaukee, at the price of \$71,000. The association afterwards demanded of him six per cent on the \$71,000 and he finally executed his note therefor. Part of that note, \$2,283, remaining unpaid, the association sued him for its collection, and was repelled from the court upon the ground that the by-laws were illegal and void because in restraint of trade."

"The court, in its opinion said:

"The manifest purpose of the pri-

vate by-laws was, by means of the combination thus effected, to suppress fair and free competition in bidding for building contracts in Milwaukee, and by such combination and method of bidding, upon its face apparently fair and free from objection, but, in fact, unfair and delusive, to compel owners to pay for the erection of buildings the sum of six per cent in excess of what they would be otherwise obliged to pay for them, if fairly let to the lowest bidder uninfluenced by such combination. It seems to us that the restraint put upon the rights of the proprietors by the provisions of these by-laws or rules, as well as the entire scheme thus disclosed, is contrary to public policy, and therefore void. . . . While all reasonable stipulations and means to protect labor or trade are laudable, we must hold that the means here sought to be employed are such as the law will not sanction. We must consider what may be done under such an agreement and the result which it will necessarily produce. As already pointed out, the operation of this combination, under its private by-laws, is to suppress free and fair competition in bidding for contracts, and by delusive and deceptive means members of the association are enabled to exact from owners a higher price for buildings than they would otherwise have to pay." 37 L.R.A., 129, 130.

Member Was Bound to Pay a Certain Sum

"In its essential facts the present work in competition with another member was bound to pay a certain sum to the association; the same is true here. There the member was required in positive terms to exact that sum from the customer, here such is the natural and proved effect.

"The distinction between the two cases is one without a difference in legal consequences. There the place for the burden was expressed; here it is implied. In each case the purpose to tax the customer for the benefit of the association and its members is plainly indicated. The provision there and the provision here are alike in restraint of trade, contrary to public policy, illegal and void. Both of them violate the general law, in that they tend unmistakably and inevitably to the destruction of free competition in important lines of trade and to the enhancement of legitimate prices therein."

"This ruling of our Supreme Court has never been changed or modified.

"The chief distinctions between the systems proposed by you, and those involved in the above mentioned suits, are:

"(1) There is no purpose or attempt to regulate purchase of supplies or materials by the members.

"(2) There is no attempt to curtail bidding, but it rather encourages competition by the sharing of the expense of making estimates.

"(3) By the section on complimentary bidding, on one not actually doing the work, an estimate cap participate in the system.

"(4) No control is exercised over the manner of making or amounts of bids submitted.

"(5) No control is exercised over the low bidder, he being free to make any further bid or contract he desires with the owner.

"(6) The schedule of fees is so low, ranging from $\frac{1}{2}$ to 1/20 of one per cent, as that even if included in bids and not absorbed by the contractor, it would never, unless abused, amount to a considerable sum.

"(7) The system is so planned as that even if the owner pays the fee, it is exceedingly minor and is paid only to those who have rendered service to him in figuring his work.

"(8) The system contemplates competition from others than participants

in this system, and in the event a non-participant is the successful bidder, the service of figuring bids is rendered the owner without cost.

"In addition to the above distinctions, since these suits were decided there has been a decided change in public sentiment, reflected to a degree in judicial opinions, more sympathetic with and favorable to business protection and business combinations. The opinions quoted were handed down during a period of 'anti-trust' agitation which has greatly subsided.

"As hereinbefore stated, if the system can be so operated without impairing competition or enhancing prices, it will be upheld. Personally, we think your system fairly and justly distributes the cost of making estimates, but professionally we cannot give you a more definite opinion until a further judicial determination is had in this state."

HIGHWAY COMM. SEEKS BIDS ON SIX PROJECTS

Bids will be considered by the State Highway Commission on June 11 for 6 projects, including one reinf. concrete girder bridge, one timber bridge, an overhead crossing and three grading and paving projects.

In Nevada County, bids are wanted for a reinforced concrete girder bridge across the South Fork of the Yuba river near Indian Springs, consisting of one 70-foot span and one 30-foot span on a concrete pier and concrete abutments with wing walls.

In Amador and El Dorado Counties, bids are desired for the construction of a timber bridge over the Cosumnes river about ten miles south of El Dorado, consisting of one 120-foot through truss span on concrete piers and nine 19-foot approach spans on frame bents with concrete pedestals, and approximately 0.14-mile of roadway to be graded and surfaced with untreated crushed gravel or stone.

In Nevada County, bids are requested for an overhead crossing over the tracks of the Southern Pacific R. R. near Yuba Pass. This project will consist of one 112-foot deck plate girder span, one 66-foot deck plate girder span, one 54-foot deck plate girder span, all on concrete piers and 279 lineal feet of timber trestle approach on framed bents and rubble masonry abutments.

In Santa Clara County, bids are wanted to grade and pave with cement concrete, 4.9-miles between San Antonio Avenue and Sunnysvale.

In Santa Barbara and San Luis Obispo Counties, bids are desired for grading and surfacing with oil treated crushed gravel or stone, 26.2-miles between Third Crossing and the east boundary.

In Los Angeles, bids are requested to grade and pave with asphalt concrete, 1.0-mile between Citrus Avenue and Glendora.

FARM MACHINERY FIRMS IN MERGER AT FRESNO

Irrigation Engineering Co. and the Farm Equipment Company, Ltd., of Fresno, have been merged.

The merger is part of a plan to expand the business of the Farm Equipment Company. Acquiring the manufacturing plant and patent rights of the Irrigation Engineering Company, the Farm Equipment concern will continue to operate the present plant at Fresno.

Officers of the Farm Equipment Company are: C. H. Sortor, president; T. C. Jameson, of Corona, vice-president, and L. A. Hendrix of Fresno, secretary-treasurer.

THE OBSERVER

What He Hears and Sees on His Rounds

Fire, which authorities believe to be of incendiary origin, destroyed the Roy Beebe Lumber Mill at Leona, Ore., May 25, with a loss, estimated by the owners, at \$350,000.

Plans for a new organization of the lumbermen of Los Angeles are being considered and some action is expected soon. The new association will be formed upon a somewhat different basis from that previously adopted, if present plans carry. Its work will be chiefly educational.

Motor Body Co. of Fresno, capitalized for \$25,000 has been incorporated at Fresno and will specialize in the construction of school busses. G. Phillips is president of the company which will maintain shop and offices in Fresno St., between Broadway and H St.

State Railroad Commission has authorized the Los Banos Lumber & Supply Company, and Malm and Angle Lumber Company, Inc., to cancel their warehouse tariffs for public utility warehouse service at Los Banos and vicinity and to become parties to the California Warehouse Tariff Bureau tariffs now in effect in the San Joaquin Valley.

Counsel for Celotex Co. and counsel for David Adler, who recently filed a receivership bill against the company, agreed in Chancery Court to a stipulation which will enable receivership action to be tried next month at Wilmington, Del., if nothing unforeseen develops. Stipulation was agreed upon after counsel for the company argued a motion for expediting the case.

A concatenation of the Los Angeles district, Order of Hoo Hoo, has been set for June 13. Carl D. Shufelt, vice-gent snark, has announced his staff to serve on the occasion as follows: Senior Hoo Hoo, Cliff Estes; Junior Hoo Hoo, Ed Culnan; Bojun, Dee Essley; Scrivenoter, Ed Martin; Custocattian, George Geary; Arcanoper, Larry Turnbull; Gurdon, Russell Edmonson; Jabberwork, Earl Bowe.

Governor Roosevelt of New York has signed the bill amending the labor law regulating the hours of work and the wages of laborers, workmen and mechanics on railroad grade-crossing eliminations, by declaring that the hours of labor shall be the same as on other public work and that workmen shall be paid at the prevailing rate of wage. It is expected the railroad companies will attack the constitutionality of this law in the courts.

Following the shutdown of the Vancouver Lumber Company, Ltd., mill at Vancouver, B. C., the Hillcrest mill, Vancouver Island, and several small mills on Vancouver Island, the surplus of logs in the water has assumed a less formidable appearance. The mills have shut down indefinitely, and it is rumored will not resume operations this year unless market conditions improve. This represents a reduction in lumber production exceeding 10,000,000 feet monthly.

George Oliver, former city engineer, has been appointed city manager of Pittsburg, Contra Costa County, succeeding Roy Watkins, who resigned due to illness.

Plans have been filed by interests affiliated with Henry L. Doherty & Co. for a 63-story skyscraper, to be erected in the Wall St. district of New York City at a total cost for land and building of \$15,000,000. For the first time in building design it is planned to use double-deck elevators which will load and unload at two floors simultaneously. It is reported that this structure is the first of a series of tall buildings to be erected by the Doherty interests in downtown New York. The architects are Clinton & Russell and Holton & George. James Stewart & Co. will be the builders.

Morris Davison of Stockton was elected president of the newly-formed Pacific Coast Chapter of the Institute of Scrap Iron & Steel, Inc., at the recent convention in Los Angeles. Thirty-five charter members were recruited from steel men from eleven western states at the convention. The object of the organization is to conserve scrap steel and iron and prevent its shipment to foreign countries. Steel mills on the Pacific Coast, where there are no great iron supply sources, use 100 per cent scrap steel and iron in fabrication.

One of the difficulties of many of us is to meet the expense of unforeseen sickness or death; another is the necessity for meeting payments on a home when through unfortunate circumstances the income of the head of the family had been impaired. Such cases have been the fertile field of the loan shark. Banks, by requiring security which the average wage-earner could not produce, have not been able to assist. Early in May, 1928 the National City Bank of New York inaugurated a plan whereby the wage-earner could receive the same consideration in the matter of a loan as the large borrower. The plan is now in successful operation and is being seriously considered by other institutions. The National Industrial Conference Board says:

"The publication of the first year's experience with this plan brings out some interesting facts. Loans aggregating \$16,529,805 were granted to 51,203 borrowers. An analysis of data in the possession of the bank indicates that the average borrower is thirty-four years of age, is earning \$2,755 a year, has been steadily employed in his present connection for more than five years, is married, and has one child. Loans averaged \$320 in amount, and about 5 per cent of the borrowers repaid their loans before the expiration of the year allowed. Approximately 87 per cent of applications for loans were granted. More than 97 per cent of the borrowers fulfilled their obligations in the matter of regular repayment deposits, and in less than one per cent of the cases was it necessary for the bank to take legal action in order to effect collection of loans."

ALONG THE LINE

As a means of aiding the unemployment situation, the Los Angeles city council has asked the civil service commission to instruct the foreman of the group which is to carry on the city's weed-cleaning program this summer, to use discretion in order that he may employ from civil service lists, "those who are in need and have families to support, provided they are citizens of the city."

C. H. Purcell, California state highway engineer, is on his way to Washington, D. C., to represent Governor Young at the National Safety conference called by President Hoover. Purcell will also attend a session of the executive committee of the Association of State Highway Officials, and will confer with officers of the United States Highway Bureau on federal road projects affecting California.

States and counties of the nation will co-operate in President Hoover's plan to enlarge all construction programs to help the unemployment situation to the extent of spending at least \$250,000,000 more in 1930 road building than was spent in 1929. State and local authorities plan to spend \$1,601,167,455 for highway improvement in 1930, according to reports of state highway departments compiled by the Bureau of Public Roads, U. S. Department of Agriculture.

The planned expenditure by state highway departments for construction and maintenance of state highways is \$937,500,455; the balance, \$663,667,000, will be spent on local roads and bridges. State highway officials of forty-five states estimate the total length of roads to be improved by them in 1930 as 32,532 miles, an increase of 3126 miles over the estimate in the 1929 programs.

The maintenance of 231,393 miles of highways will be controlled by states this year, a gain of 32,381 over the mileage under state maintenance in 1929.

Pacific states comprising California, Washington and Oregon indicate a highway expenditure of \$121,590,000 for the year, according to the department of agriculture figures.

INDUSTRIAL ARTS SUMMER WORK PLANNED AT L. A.

Instruction in the department of mechanics as planned for the Los Angeles Summer Session of the University of California will embrace almost every subject related to the industrial arts, according to announcement by Dean Thomas M. Putnam. The group of instructors will include Foss R. of Brockway, Harold W. Mansfield and James W. Marsh, of the mechanics arts department of the University of California at Los Angeles, and Claude E. Nihart, supervisor of industrial arts in the junior and senior high schools of Los Angeles.

The various courses offered include of engineering drawing, furniture construction, furniture design, general composite shop, applied electricity, machine shop, machine drawing, architectural drawing, the automobile, and technical subjects.

TRADE NOTES

Kartschoke Clay Products Co., Third and Keyes Sts., San Jose, announces change of firm name to Gladding Bros. Manufacturing Company.

San Joaquin Rock Products Company of Fresno, capitalized for \$50,000, has been incorporated. The company will engage in a general rock, sand, gravel and clay products business. Arthur R. Kerstetter is head of the company.

Valley Homes Builders, Inc., of Los Angeles, capitalized for \$50,000, has filed articles of incorporation at Hanford, Calif., and will engage in a general brokerage, agency and commission business in the sale and management of real estate for others. Directors are: N. C. Bailey, E. R. Ash and Fred L. Nordell.

E. A. Peat, former comptroller and treasurer of the Southern California Gas Co., recently resigned that position to become chairman of the board and secretary-treasurer of McEverlast, Inc., Los Angeles manufacturer of termite preventives, pipe-line coatings and a concrete curing process. A. M. Shenk, president of the organization since its inception will retain that position and will continue as active head of the firm. Kenton A. Miller, Los Angeles attorney, is vice-president and general counsel.

Alec McEae, one of the original founders of McEverlast, Inc., who has had an active part in its development from the start, will continue to have charge of all manufacturing operations.

E. A. Hartman, Los Angeles financier, will be a member of the board of directors.

While no definite announcement has been made to date, it is expected that McEverlast will inaugurate a widened and more aggressive marketing policy under the new regime.

ACCEPTING ORDERS FOR 1930 UNIFORM BUILDING CODE

Advance orders for 424 copies of the 1930 edition of the Uniform Building Code have been received at headquarters of the Pacific Coast Building Officials Conference in Long Beach. The order includes 266 copies for cities, individuals, and organizations, the remainder going to members of the Conference. Orders for copies of the 1930 edition may be sent to Conference headquarters, 19 Pine Avenue, Long Beach, or to the Sun Printing & Publishing House, 430 Court St., San Bernardino. Single copies are \$1.00.

HOME PRODUCTS ON PUBLIC WORK IN R. W. CITY

Contractors on public work in Redwood City will be requested to give preference to Redwood City products, under a resolution by the council, voted on request of the Redwood City Chamber of Commerce. In all street improvements preference will be given to cement manufactured at the plant of the Pacific Portland Cement Company at Redwood City.

The city of Palo Alto, according to reports, also requests contractors to use cement manufactured at the Redwood City plant.

TRADE LITERATURE

A new series of circulars describing Mahon Steel roof decks, roof sumps, fire doors and rolling steel doors has been published by the E. C. Mahon Company of Detroit, Michigan. The catalogues contain comparative figures showing economy in Mahon Steel Roof Deck construction, and photographs of roof deck and steel doors in every type of construction.

An illustrated circular of Recommendations for Applying Ambler Asbestos Walthite has been prepared by the Ambler Asbestos Shingle & Sheathing Co., Ambler, Pennsylvania. Details regarding dimensions, cutting, accessories and application over flat surface walls or studding are thoroughly discussed in this interesting booklet.

The use of Armco ingot iron in the form of plates of light, medium and heavy gage for water supply and other engineering projects is discussed in a 20-page illustrated booklet recently issued by the American Rolling Mill Co., Middletown, Ohio.

American Tar Products Company, Pittsburgh, Pa., has published a 32-page illustrated booklet showing sixteen specifications for roofs for both flat and steep surfaces. Several new and interesting features to be found in this book are specifications for automobile parking roofs, ATP roofs over insulation, and ATP roofs over steel decks, as well as eight pages of valuable information for specification writers on ATP Flashings, Waterproofing and Sub-Floor Tar.

ELECTRICAL GROUP IN DRIVE TO MODERNIZE NEW YORK

Electrical modernization of New York City's 27,000 factories, the annual value of whose manufactured products almost equals that of Chicago and Detroit combined, has been undertaken by the Electrical Association of New York.

Electrical contractors of the city are interviewing factory owners, surveying conditions in their plants, and presenting concrete plans for overcoming production deficiencies, eliminating waste, and saving costs. Engineers, loaned by the various groups co-operating in the plan, are working with the contractors. Newspaper advertising (\$250,000 worth) is used to inform industrialists of the service available. Each advertisement carries a coupon which, when returned by a factory executive, entitles him to a free survey of his plant.

ALL-STEEL BUILDING

A new type of steel building, built without interior supporting posts, has been developed by the Columbian Steel Tank Co., Kansas City, Mo., to meet a demand for large storage space with a minimum of steel used. The building is made up of a series of steel trusses of welded construction, with angle iron purlins running from end to end about 4 ft. apart, the whole covered by galvanized steel sheets. It is fabricated at the Columbian plant and may be set up by unskilled labor.

Over-Selling Instalment

Customers' Economic Evil,
Phelps Tells Credit Men

While instalment selling has undoubtedly had a stimulating effect on business, it has, in many cases, had a disastrous effect on consumers, Dr. C. W. Phelps, of the University of Chattanooga, said in an address before the annual convention of the National Association of Credit Men at Dallas, Texas.

These ill-effects should be guarded against, Dr. Phelps said, by closer credit co-operation to prevent over-buying on the part of people who are unable to budget their incomes and plan ahead.

"It is impossible to escape the conclusion," he said, "that so far as goods of relatively high value are concerned, large-scale production and large-scale merchandising could not exist in their present degree without the aid of instalment selling.

"However, we find many cases where individuals have been led into extravagance and debt due to the opportunities offered by the instalment plan. There have been many distressing cases brought to light of people who have over-bought, and finding their monthly payments to be larger than their salaries, have borrowed from loan companies at high rates in order to meet their obligations. But borrowing from loan companies loads new and larger monthly payments on the borrowers, and many people have become hopelessly involved.

"This is an economic evil of the first importance, and it can be cured in only two ways: By effective credit co-operation among firms selling on instalments to prevent consumers from over-buying, and by educating consumers to obligate themselves only within the limits prescribed by their incomes."

Dr. Phelps discussed the various ways in which instalment selling has reacted on business. Some lines of business have been helped, and others hurt, he said.

"Instalment selling has tended to direct a large part of the spending of consumers away from ephemeral goods and commodities of low value to durable goods of high value. In other words, if it were not possible to devote small sums each month to the purchase of high-priced, durable goods, those small sums would very likely be spent for more food, more delicacies, and more articles of personal adornment.

"The increasing volume of instalment credit also seems to have slowed down the collections of firms selling on open account. Some merchants estimate that a quarter of their open accounts have been made slower by instalment buying from other houses on the part of their customers."

Dr. Phelps said that it is not yet possible to determine the effect of instalment selling on the business cycle, because there has not been sufficient time for the collection and study of adequate data.

"As far as the present recession is concerned," he said, "it appears that the bad consequences of instalment selling on the credit structure and the business cycle have failed to appear in the exaggerated form which were predicted.

"Instalment selling is here to stay. It is simply an evolution in the development of credit. Its abuses are similar to the abuses which have arisen in the past whenever credit was extended to a new field, or for

a new use. We shall rid it of its abuses and utilize it to promote the prosperity of the country, because our credit men will learn how to handle it scientifically, as they have learned to do with the older forms of credit."

THREE FIRMS SEEK TO SERVE
LIQUEFIED NATURAL GAS

Application has just been made to the State Railroad Commission by the Natural Gas Corporation of California for permission to serve liquefied natural gas in the cities and towns of Jackson, Anador County; Placerville, El Dorado County; Lakeport, Lake County; Susanville, Lassen County; Alturas, Modoc County; King City, Monterey County; Auburn, Placer County, and Sonora, Tuolumne County.

At the present time there are before the Commission applications by three companies, namely, Natural Gas Corporation of California, West Coast Gas & Fuel Company and Inland Empire Gas Company for permission to serve liquefied natural gas to a total of 65 cities and towns in California. These communities are spread over the entire state from Crescent City and Yreka on the north to Holtville on the south.

Briefly described, the proposed service consists of the delivery of a mixture of vaporized butane, propane and air through distribution gas mains in the same manner as natural gas is distributed. The same type of gas mains, gas meters and gas regulators would be used as in the case of either natural gas or manufactured oil gas, and the same type of gas appliances, such as stoves, ranges, furnaces, heaters and water heaters, would be used to burn the gas.

Butane and propane are hydrocarbons that are present in natural gas as it comes from the oil wells and are gases at atmospheric temperature and pressure. They are liquids at pressures above fifty pounds, and are transported as liquids in tanks under pressure. However, they are much higher in heat value than either manufactured gas or natural gas, and contain 3000 heat units per cubic foot, whereas natural gas contains 1150, and manufactured gas 550 heat units per cubic foot.

The applicant utilities request permission to distribute a mixture of butane, propane and air which would have a heat content of 550 heat units per cubic foot. Such a mixture is not explosive and could be burned in the same manner as manufactured or oil gas. This mixture has been successfully used in a number of western cities for several years past.

HOLLOW SPUN CONCRETE PILING
GIVEN SEVERE TESTS

The eleven-story General Engineering Laboratories Building now under construction for the Westinghouse Electric & Manufacturing Company at East Pittsburgh is supported on a new type of concrete piling, which are manufactured by the hollowspun or centrifugal process in exactly the same manner as the hollowspun granite columns used as supports for street lighting units and trolley wires.

These hollowspun piles used in the General Engineering Laboratory Building are approximately 20 feet long by 9½ inches in diameter at the small or point end by 14½ inches in diameter at the large or butt end. They were driven to bed rock which extended from 20 to 25 feet below the

surface with a large steam hammer. The terrific blows delivered by the hammer caused practically no spawling or brooming at the pile butt. Ten piles were withdrawn for test purposes; their condition showed, upon examination, that they had been driven through a stratum of large rocks without apparent damage to the points or to the whole. Subsequent tests of these ten piles for columnar loads developed an average load bearing capacity of 150 tons before failure, each failure being a compression failure and not columnar.

The manufacturing process is extremely interesting. A reinforcing cage of longitudinal steel bars wrapped spirally with wire hoopings is made up and placed in steel molds. After the mold is filled with a specially prepared concrete mix, it is spun in a horizontal position for approximately fifteen minutes at varying rates of speed. The spinning compacts the concrete into a dense mass and forms a hollow core in the center of the pile, from which the name hollowspun is derived. In street lighting columns this hollow core is used for wiring, and in piles for jetting in place with water pressure.

These piles differ from the usual concrete piles in that the concrete attains an average crushing strength in 28 days of 5000 pounds per square inch and will safely withstand the usual rough handling and the impacts of the largest pile driving hammers.

MEETING MODERN DEMANDS IN
CONSTRUCTION

In no field of engineering activity are modern demands for speed more urgent than in that of office-building construction in our large cities, says Engineering News-Record. The reason is simple: The large loss inherent in unproductive land places a premium on the early replacement of old buildings after they have been vacated and the high cost of borrowed money is a strain on the resources of the owner. Briefly, speed in building has acquired a high dollar value, and on this account engineers and contractors in the building field have had to revolutionize old methods. They have done so with apparent ease and facility, which not only tends to diminish the luster of the accomplishment but also creates danger that its immediate value to the engineering profession may not be fully appreciated. One would naturally expect that increased proficiency and ability had played an important part, and a study of numerous building projects checks this expectation. But it also reveals something more significant—namely, that the real basis of modern building speed lies in organization, efficiency and planning, which taken together may be termed co-ordination. A case in point is the 71-story Manhattan Company Building in New York, which was building complete, including wrecking of old buildings on the site, in 33 weeks. Such performances as the construction of new foundations while the wreckers still were busy overhead, completion of the foundations after steel erection had begun, fabrication of the steel in five widely separated shops, erection of 2,100 tons of steel in one week and the maintenance of a weekly average of 1,600 tons throughout the first six weeks, and dovetailing of the operations of half-a-hundred subcontractors, are not the result of new advances in the art. They resulted wholly from co-ordination, made possible by a firm sense of organization on the part of the general contractor and an appreciation of its necessity on the part of the owner, the architects and the engineers.

PROPERTY MANAGERS OF N. A. R. E. ADOPT STANDARDIZED LEASE FORMS

Standardized lease forms for offices, stores, apartments and lofts so written as to protect both the interests of lessors and lessees from Maine to California and to state definitely their mutual obligations were adopted by the executive committee of the Property Management Division of the National Association of Real Estate Boards and the store and loft forms were approved by the executive committee of the Brokers' Division in session recently in Chicago. Meetings of the executive committees of the Farm Lands and Home Builders and Subdividers Divisions also took place in Chicago last week.

The use of such standardized lease forms to establish, as they are intended to, a uniformity of contract in leases for each type of property, will go far toward the elimination of those misunderstandings between tenant and property manager which arise because the tenant "didn't know that was in the lease," it was pointed out by F. S. Slosson, Chicago, chairman of the Property Management Division, who presided at the Chicago meeting.

Collaborated With Brokers

The standard lease forms, which are the result of two years collaboration on the part of committees in the Property Management Division charged with this work, leading legal authorities in the field of real estate law and the executive committee of the Brokers' Division, embrace the minimum requirements which have been felt to be essential in leases for these types of property, and additional optional clauses so constructed as to be applicable in states where custom and legal requirements make necessary special provisions in lease contracts. Mr. Slosson viewed the completed forms as indicative of the trend of thought and progress in property management as a specialized phase of real estate.

In adopting the standard forms the executive committee upon conference incorporated some slight changes into the leases. Final forms of the leases are to be issued to every member of the Property Management Division, with the recommendation that these forms be used by Realtor-Property Managers everywhere. Following are the committee chairmen of the groups who were in charge of drawing up the lease forms: Carlton Schultz, Cleveland, Ohio, chairman of the committee on the standardization of short term leases for stores, loft buildings and lofts; Arthur B. Hall, Chicago, chairman of the committee on the standardization of office lease forms, and Charles F. Marks, Birmingham, Alabama, chairman of the committee on standardized apartment leases.

Standard Management Contract

A standard management contract definitely defining the responsibilities of the property manager and the owner of the building when the latter contracts with the former for management of his property was likewise adopted by the executive committee of the Property Management Division and will be issued to all Division members. Oliver S. Turner, Chicago, was chairman of the committee presenting this form.

The committee further discussed final plans for the Property Management Division meetings at the 23rd annual convention of the National Association of Real Estate Boards, to be held in Toronto, Ontario, July 9, 10, and 11.

The convention addresses will deal with very practical problems which confront the property manager and will include analyses of two buildings—a Toronto office building and an apartment house. These analyses will discuss in detail every feature in the two buildings selected which would be

of interest to the property manager. Carlton Schultz, Cleveland, is chairman of the committee which will analyze the office building. Mr. Schultz is now president of the Cleveland Real Estate Board and is a member of the advisory committee of the Property Management Division. Thomas Fleming, Chicago, is chairman of the committee appointed to analyze the apartment building. Mr. Fleming, who was formerly manager of the Potter Palmer estate, is now with Ross & Browne.

Pricing and Finding Prospects

Those fundamental questions of pricing space in and finding prospects for a building will be discussed before the Division by Leo J. Sheridan, Chicago, who is managing one of Chicago's mammoth new loop skyscrapers. Mr. Sheridan was formerly director and vice-president in charge of real estate finance for S. W. Straus & Company.

Advice as to the buying of supplies for the buildings under their administration will be given the property managers by William H. Lyman, Chicago.

At the meeting of the executive committee of the Brokers' Division, at which Mark Levy, Chicago, Division chairman, presided, the standard lease forms for stores and lofts as adopted by the executive committee of the Property Management Division were read and approved with the addition of the optional clauses which will accompany the forms.

Intelligently Operated Farm Profitable

The average farm intelligently operated is a money making business today. This was the general conclusion of opinion in an informal discussion on the part of the executive committee of the Farm Lands Division. Harvey Rathbone, Lincoln, Nebr., chairman of the Division, who presided at the Chicago meeting, declared that farm lands in Iowa, Nebraska, and Kansas can now be purchased for about 50 per cent of their value, if one bases the value of these lands on their potential earning power for the owner. Mr. Rathbone expressed his conviction that the one panacea which may be with certainty regarded as a cure-all for farm ills is intelligent farming. He pointed to the many examples of farms, not previously showing satisfactory income returns, which, when put under the direction of a competent, professional farm manager had become profitable enterprises, adding that such experiences clearly indicated the value of and need for this professional service whose field and whose employment he predicted is to broaden rapidly in the next few years.

Further discussion at the meeting of the Farm Lands Realtors brought out the fact that today, due to excellent highways and improved transportation the dealer in farm properties is able to widen the geographic scope of his operations to a radius of several hundred miles around his headquarters. With good highways, it was stated, the farm lands broker is well able to take his would be farm owners to tract 300 miles distant in one day's time.

The proposed standards of practice for subdividers, recently placed in the hands of all members of the Home Builders and Subdividers Division, will be brought before the Division at its sessions at the Toronto convention, it was decided at the meeting of the executive committee of the Home Builders and Subdividers Division. While the standards of practice remain substantially the same, originally suggested by the executive committee of the Division, some slight changes are to be made before the Toronto convention, it was indicated.

WALKER TO AID U. S. D. A. ON FARM BUILDINGS

Prof. H. B. Walker, head of the University of California Agricultural Engineering Division, has been notified of his appointment to the Advisory Council in Farm Structures by Arthur M. Hyde, Secretary of the United States Department of Agriculture. This council will act in cooperation with the Department of Agriculture in an advisory capacity. Its members have been chosen from the American Society of Agricultural Engineers and industries allied with agricultural engineering. Professor Walker was nominated by M. C. Kaiser, president of the American Society.

Professor Walker also is a member of the Advisory Council for research in mechanical farm equipment, in the Bureau of Public Roads of the Department of Agriculture, having been appointed several years ago. In 1927-28 he was director of research in the Bureau of Public Roads.

The Farm Structures Advisory Council will meet May 28, and that on farm equipment on May 27. Professor Walker probably will be unable to attend either meeting, as he is planning to attend the annual convention of the American Society of Agricultural Engineers in June.

OUTPUT OF MASONRY, NATURAL, AND PUZZLAND CEMENTS IN 1929

Statistics of hydraulic cements, other than Portland cement in 1929, which include masonry, natural, and puzzland cements, as compiled by the United States Bureau of Mines, Department of Commerce, show a production of 2,209,465 barrels, which represents a decrease of 0.04 per cent compared with 1928. There were shipped from mills in 1929, 2,159,130 barrels of these cements, valued at \$2,950,717, a decrease of nearly 2 1/2 per cent in quantity, and an increase of 1.4 per cent in gross value compared with 1928. Stocks at the mills increased and were more than 36.6 per cent higher at the end of 1929 than at the end of 1928.

These statistics represent the output of 11 plants located as follows: One each in Alabama, Illinois, Indiana, Kansas, Kentucky, Ohio and Pennsylvania; and two each in Minnesota and New York. The figures for 1929 include the output of a new plant in New York which began operating toward the end of 1929 superseding an establishment that was active in 1928, but reported idle and out of business in 1929.

The output has been expressed in terms of 376-lb. barrels to correspond with the statistics of Portland cement.

PROTESTS FREIGHT RATES

The Western Freight Rates Company has filed a complaint with the State Railroad Commission against Northwestern Pacific Railroad Company, alleging that the rates and charges for the transportation of lumber from points of origin on the line of complainant to points of destination on the line of the defendant carrier north of Dos Rios Station, Mendocino County, are unjust, unreasonable and excessive, and that no joint rate exists for such transportation. It is alleged that public convenience and necessity demand the establishment of a joint through rate for the transportation of lumber between the points in question, and the Railroad Commission is asked by complainant to issue its order establishing equitable, joint rates via San Francisco, and to fix the division of such rates between the parties thereto.

PRACTICAL METHOD TO DISPOSE OF OBSOLETE EQUIPMENT DESIRED

By J. F. Martz in Class and Industrial Marketing

Can industry develop a practical method for disposing of obsolete equipment? Here is a problem that is becoming increasingly common and increasingly bothersome in the field of industrial selling. What about trade-ins? Who will stand the burden of scrapping old equipment or the losses occasioned by trade-in allowances—the buyer, distributor or the manufacturer? By what course of action manufacturers prevent trade-in policies from becoming mere shields for price-cutting competition? The problem is being recognized by many sales executives in the industrial field. What can be done to avoid markets cluttered with low price, obsolete equipment and price-cutting tactics.—Editor.

What about trade-ins of industrial equipment? The X Company finds itself with thousand units of industrial equipment in production to be sold during the year. If sold on a cash basis with standard prices, or even on an acceptable basis of deferred payment selling, and sales costs being kept within the limitations of the budget, it is not difficult to forecast the year's profits.

But what, if at the close of the year, the company finds on its hands from 200 to 400 units of old junk, the ashes of the sales department's enthusiasm for quick action?

Aside from the cash losses involved in virtual price reductions through increasing the bid for trade-ins there is also another loss in markets for new equipment. What happens to the old equipment that the manufacturer takes in and disposes of at junk value or at as much as he can get out of it. He may sell it either direct to a user or to a house that specializes in cleaning it up and placing it on the market again for resale.

The complications of the trade-in are well recognized in the automotive field. Chevrolet has brought forth one suggestion toward its solution. The plan involves offering the local dealer \$50 for any car he accepts from a buyer of a new car, provided he will destroy the car. If the dealer cannot hope to get more than that amount for his trade-in he will readily accept this proposition. The fund could be provided by automobile manufacturers by setting aside a definite amount from the income of every new car manufactured and sold. The average life of a car is taken to be seven years, but all cars are not eliminated from the road in that period.

In the industrial field the situation is somewhat different. Although obsolescence enters very directly into the scrapping of old machinery an investigation conducted two years ago established the fact that at least more than half of the machine tools in use today were produced a quarter of a century ago.

Obsolescence affects both the industry using the equipment and the industry producing it. The study that is being made of obsolescence of equipment in the knit goods industry already has shown indications that many plants are operating without profit mainly due to decrepit production machinery with which is closely

related almost fatal misunderstandings of actual production costs.

The construction industry, for example. More ironclad policies regarding trade-ins are being requested by contractors who are the buyers of construction equipment. They say that cheap second-hand machinery allows poorly financed contractors to enter into local competition without adequate capital responsibility. The established contractor with several thousand dollars of capital tied up in dependable equipment is forced into direct competition with price-cutters whose only equipment has come at low prices from the junk pile.

While the price-cutter may not get a great many construction jobs, at least jobs of importance, he can quote great quantities of prices. Builders are quick to take advantage of such situations and the result is general demoralization of the industry through profitless price-competition.

N. DeWind, president of the Parsons Company, Newton, Ia., now a division of the National Equipment corporation, inclines toward the belief that heavy equipment manufacturers can profitably join together to provide means of disposing of old equipment.

This might be done by determining in advance the normal or maximum service-life of a model and setting scales of values at which the machine could be traded in during its service life. The maximum should not exceed the junk value of the machine at the end of its maximum service life, and it should be an obligation among manufacturers accepting the machine at the end of its predetermined service life to junk it.

Another suggestion has been that manufacturers refuse to furnish repair parts after the maximum period of a machine's service life has expired.

It is said that a great many manufacturers are contributing to the second-hand market by keeping alive a lot of old machines which should have been junked years ago.

It is costly to maintain repair parts for old machines, yet some manufacturers feel a responsibility to service a machine forever if it is of their own make.

Another suggestion for eliminating obsolete construction machinery has been the formation of an association of manufacturers operating jointly own junk yards. Obsolete trade-ins could be passed to this co-operative junk yard and destroyed, the association bearing perhaps 25 per cent of the loss and the individual manufacturers who accepted the trade-in the remaining 75 per cent. The manufacturer suggesting this plan states that he believes it would pay the industry at large to accept its loss each year on trade-ins and keep at a minimum the volume of old equipment constantly changing hands in the field.

Another company, manufacturing a varied line of equipment from wheelbarrows to steam rollers fails to see how any organized plan could clear up the trade-in problem or quite relieve the congestion of obsolete equipment in the field.

While the Chevrolet plan does not appear applicable to the construction field in the eyes of a manufacturer of shovels and dredges, it is pointed out that some equipment manufacturers are seriously endeavoring to develop a program which will remove the worst claws of the trade-in problem. Several manufacturers practically refuse to consider trade-ins. Some will consider only machines of their own makes.

The advertising manager of another concern in the construction machinery field observes that the burden is not going to be carried by manufacturers alone. He further points out that the field is beset with the evil and that at its worst useless old relics are accepted at high prices in the intense competition to sell new machines.

Rather than assume the whole loss the manufacturer puts the machine into the field again where it remains to block future sales.

A manufacturer of gears and machines find trade-ins less of a problem in his market. When the problem does arise the policy is to accept the old equipment for credit less the cost of putting it into salable condition at a profit.

A manufacturer of rolling mill equipment and other heavy machinery states that some of his equipment has been in use for 25 to 50 years. He presumes that the user charges his own depreciation against the machine and disposes of it when obsolescence makes the old machine too costly to operate in comparison to improved models. In this field obsolescence has proved to be somewhat slower than in some other industries and old machinery has, in general, only junk value when it is released from service.

Commenting upon the Chevrolet plan, a manufacturer of electric motors regards such a plan as unfeasible for the industrial field because obsolescence is much slower in industrial equipment than in motor cars.

This, in most cases, is true, but it would hardly seem that that fact would alter the elements of the problem.

This manufacturer, however, is facing the problem squarely when he points out certain products of his own line which were developed for specific purposes as long as 25 years ago and which have not been materially improved in so far as that purpose is concerned since.

J. F. Lincoln, president of the Lincoln Electric Company, says essentially the same thing regarding some types of welding equipment. Some welders put in service 15 or 20 years ago perform that service as well today. Modern equipment has more applications, is more flexible and convenient and probably does some jobs that the old equipment was not designed to do. But in so far as the old equipment is not obsolete in terms of performance its age has no relation to any necessity for retirement.

Of course this is hardly true of machines with moving parts that wear out. When the machine becomes dangerous or liable to frequent breakdown, then it becomes obsolete no matter what its record of operation may be.

There is, however, undoubtedly a market for usable second-hand machinery, and a great deal of such machinery is sold either direct by one business to another or through distributing houses that specialize in handling or repairing used equipment. It can hardly be the aim of manufacturers to dispose of such equipment. Rather, their efforts obviously must be directed toward elimination of old equipment which will not function as

economically as new models either for the reason of being worn out or because of improvements in design.

A well-known manufacturer of conveying equipment observes the trade-in problem as follows:

"As we learn about the problem through our distributors it seems to be getting more serious, although it has not reached nearly the stage observable in the automobile industry.

"Now we consider that there are just two reasons why an owner should replace an old tractor with a new one; first, because the machine is worn out, and, second, that he needs more power and a different kind of a tractor than he now has.

"Under the first circumstance the machine has only scrap value. In the second situation the tractor may have some resale value. We sell such machines to buyers who have only limited use for the machine or who have not the ready funds to buy a new one. In most cases the sale can be handled locally to avoid extra costs of handling the trade-in."

The president of another company, this one manufacturing small portable conveyer units, believes the productivity of the industry and the country at large is handicapped by the resale of obsolete equipment.

He believes that any industry will suffer less by writing off obsolescence rapidly enough to purchase new equipment when it becomes an economic necessity and by scrapping the old than it suffers under the present regime, when practically every old machine is thrown back into the market to be used by someone in spite of mechanical advancements which have handicapped the machine's chances of earning profits.

The manager of a company manufacturing overhead conveying systems writes in response to inquiry as follows:

"Your letter on the subject of trade-ins has arrived at an opportune time. It just happens that today we are considering such a problem, involving several thousand dollars.

"In the past we have not given this problem much serious thought, and have usually refused to make any trade-in allowances. However, we recognize the fact that the problem is going to become more difficult in the future.

"The builders of overhead machinery are in a unique position, for two reasons. First, the cost of installing such machinery is the major item to the purchaser. And the machinery cannot be easily moved, once installed. Second, when a tramrail system is installed the user often must stick to the same make in order to run carriers from one end to the other.

"We have therefore an additional reason for wishing to accept trade-ins, and it is this factor which inclines us toward making pretty big allowances in the case we have under consideration today.

"At this time the customer is in the market for \$6,000 worth of equipment. Yet we feel assured that if we are so successful in beginning to replace the competing manufacturer's equipment, which is much cheaper than ours, we will get from \$25,000 to \$50,000 worth of additional business during the coming year. In approaching this problem, however, at least in our own transaction, make this particular transaction stand on its own feet. We cannot definitely count upon the future business. We are, therefore, going to submit the following proposition:

"We are going to disregard entirely the resale value of the cheaper make of equipment. If we take it in trade we will throw it into our cupola as scrap. We are therefore figuring the cost of material, labor and factory overhead, and will leave the greater part of the net profit of the transaction to

pay for the equipment traded in. We will not charge any sales expense or administration and will not pay the salesman any commission on the sale. The extensions of the equipment however, will bear regular sales costs and administration and will provide the profit on the business.

"In order to make doubly sure that all of the old equipment is shipped to us, we are not making a lump sum allowance on the system but are breaking it down into separate prices on parts and units. With this arrangement we are allowing the customer approximately half of what he paid for the old equipment, which has been in service two or three years. He will, however, have to pay the cost of removing it as well as transportation cost to our plant."

A manufacturer of electric tractors tried some years ago to work out a scheme whereby allowance could be made on a used tractor contingent upon reselling the equipment traded in at a profit. It was soon learned that it was very difficult to recondition a used tractor and dispose of it at any price that would permit a profit in the transaction.

Recently the company has adopted the policy of allowing no more than \$50 for an old piece of equipment. No attempt is made to re-sell machines so traded in. They are junk and the salvage value is around ten dollars.

BOULDER DAM EXPECTED TO CREATE MECCA FOR TOURISTS

Boulder Dam is expected to be as important a mecca for tourists as Old Faithful geyser or the Carlsbad caverns, according to a statement issued by the U. S. Department of the Interior. In addition to the dam and the huge lake which it will impound, the scenery will also appeal to the tourist.

The statement of the Department is as follows:

When Boulder Dam is completed and the water is massed in a column 575 feet high behind it, Secretary Wilbur, of the Department of the Interior says, it will become one of the most interesting features of the West which will attract visitors as does Old Faithful or the Carlsbad caves. Such a dam with such a body of water behind it will create a situation the like of which man has never seen before.

The nearest approach to it is the Elephant Butte Dam on the Rio Grande, in New Mexico, 306 feet high, where one-tenth as much water is stored. Under this pressure the water released through the dam produces a raucous roar such as human ears have seldom heard. Air vents were left toward the base of the dam to relieve the suction caused by these rushing waters. So great was the force of the air currents that, shortly after the water was turned through, they led to a most peculiar tragedy. Two workmen were passing near the grated air hole, three feet across. The force of the air seized them, slammed them against the grating and sucked the life out of them. Their dead bodies were later found plastered against the grating.

Previous experience will prevent any such tragedies at Boulder, but a view of this, the most stupendous cement structure in the world, taller than Washington Monument, releasing such unmeasured forces, a visit from the crest, through the passageways which penetrate its very heart, to the power houses at its base, will be an unusual tourist experience.

Although the equipment has very long life trade-ins are discouraged. New tractors have some advantages over old ones which are usually kept as spares.

A manufacturer of belt conveyor idlers has adopted a similar policy, going a step further, however. He allows only the current price for the metal and disposes of the old equipment through a local junk dealer.

At the outset of the investigation into actual experiences of manufacturers it can be pointed out that when trade-ins become the cloak for price-cutting the manufacturers individually and as groups are losers.

The legitimate sale of second-hand machinery which can be profitably put into operating condition and resold hardly affects the problem.

One generalization, however, may be drawn at this point for guidance in handling the trade-in problem—namely, when through wear or through obsolescence a machine cannot be sold or operated with profit both buyer and seller have a direct interest in eliminating it from the market. It has been pointed out that obsolete machinery may bankrupt one user after another, creating price-cutting havoc, and yet maintain a waiting list of victims. Naturally there is no justification for any production machine that cannot compete in the market with fair play and reasonable opportunity to earn a profit on its investment.

In addition to the interest attached to the dam itself, and to the great lake which it will form extending into the Grand Canyon, the area is exceedingly interesting from a scenic standpoint, and its desert topography and vegetation will appeal to the scientists. It offers unusual opportunities of development from the standpoint of being easily accessible from Los Angeles. The crest of the dam will serve to bridge the Colorado for a new link in the trans-continental automobile highway which can be depended to divert many visitors to this route. In addition it could be linked up in a spectacular circuit trip of the southwestern national parks, including the Grand Canyon, Bryce Canyon and Zion.

Such a route would utilize the first possible crossing of the Colorado River Canyon west of the Grand Canyon National Park, and in addition would give the motorist a view of a very precipitous portion of the Canyon. It is even suggested that it might be possible for motorists to embark, automobile and all, on a boat at this crossing, known as Pierce Ferry, and journey down the river to the landing at the dam, resuming their motor journey at that point.

In connection with such travel it would, of course, be important to install public automobile camps, and the possibility of hotel accommodations being provided is already under discussion.

FABRICATED STRUCTURAL STEEL

New orders of fabricated structural steel in April, as reported to the Department of Commerce by the principal manufacturers were 59 per cent of capacity as compared with orders of 62 per cent of capacity in March, and 67 per cent a year ago. Shipments of fabricated-structural steel in April represent 77 per cent of the capacity of firms reporting this item as against 70 per cent in March and 79 per cent a year ago.

Building News Section

APARTMENTS

Contract Awarded.

APARTMENTS Cost, \$250,000
LOS ANGELES, Cal. Havenhurst Ave. near Sunset Blvd.
 Six-story and basement Class B stone tile apartments (21 5, 6 and 7-room apts.)
 Owner—Colonial House, Inc.
 Architect—Leland A. Bryant, 6513 Hollywood Blvd., Los Angeles.
 Contractor—Barnett Shapiro Co. Co. Fine Arts Bldg., Los Angeles.

Plans To Be Prepared.

APARTMENTS Cost, \$3,000,000
SAN FRANCISCO. N Pine St. bet. Mason and Taylor (155x106-ft.)
 Fifteen-story class A steel frame and reinforced concrete apts. (1000 rooms).
 Owner—Eugene Fritz 2300 Sacramento Street.
 Architect—Selected, Name Withheld.
 Foundation is being laid for thirty stories which will be added at a later date.

Sub-Bids Being Taken.

APARTMENTS Cost, \$50,000
SAN FRANCISCO. S Jefferson St. 192 E Broderick St.
 Three-story and basement frame and stucco apartments (12 3 and 4-room apts.)
 Owner—J. French.
 Plans by D. E. Jaekle, Call Bldg., San Francisco.
 Contractor—Standard Bldg. Co., 268 Castenada Ave., San Francisco. (Mr. Carl Gehlert)
 Elevator, oil burner, heating system and all other modern conveniences

Plans Being Revised.

APARTMENTS Cost, \$175,000
SAN FRANCISCO. NE Buena Vista Ave. and Waller St.
 Six-story Class C basement and sub-basement apartments (36 2 and 3-room apts. and one 10-room apt.)
 Owner—Suncal Investment Co.
 Architect—Albert H. Larsen, 447 Sutter St., San Francisco.
 Bids will be called for later.

Bids To Be Taken Within One Week
ALTERATIONS Cost, \$40,000
SAN FRANCISCO. NW Bush St. and Polk Street.
 Alter present apartments.
 Owner—Estate of Louis Friedman.
 Architect—S. Helman, 605 Market St., San Francisco.

Plans Being Figured.

APARTMENTS Cost, \$35,000
MARTINEZ, Contra Costa Co., Cal.
 Two-story steel frame and concrete class A apartments (seven 2- and 3-room apts.)
 Owner—A. Rahlves, Martinez.
 Architect—Martin A. Sheldon, Monadnock Bldg., San Francisco.

Completing Plans.

APARTMENTS Cost, \$175,000
OAKLAND, Alameda Co., Calif. Lee and Grand Ave.
 Six-story and basement steel frame and brick apts. (36 2- and 3-room apts.; concrete garage).
 Owner and Builder—Harry Schuster, 2424 Curtis St., Berkeley.
 Architect—Wills Lowe, 354 Hobart St., Oakland.
 Plans will be ready for bids shortly.

BONDS

PLACERVILLE, El Dorado Co., Cal.—Election will be held June 16 in Camino School District to vote bonds of \$14,000 to finance erection of a new school building. Trustees of the district are: Sophia B. McNie, Gust Brown and J. J. Wiley. Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento, architects.

SANTA MARIA, Santa Barbara Co., Cal.—Brett Deveney, superintendent of Santa Maria Grammar School, advocates calling bond election to provide \$65,000 for six-room school to replace present West Mill Street school.

SAN JOSE, Santa Clara Co., Cal.—Election will be held June 18 in Oak Grove School District to vote direct tax of \$5000 to furnish "additional school facilities." Trustees of the district are A. L. Anderson, Carl Johnson and Eloy Anderson.

CHURCHES

Completing Plans.

CHURCH Cost, \$100,000
VENICE, Los Angeles Co., Cal. Lincoln Blvd. and Victoria Ave.
 Stone Class C church (English-Gothic architecture) (to seat 600).
 Owner—First Methodist Church, Venice.
 Architect—C. F. Skilling, Chamber of Commerce Bldg., Los Angeles.

Plans Completed.

CHURCH Cost, \$14,000
MILL VALLEY, Marin Co., Calif.
 One-story wood church (rustic type).
 Owner—Community Church.
 Plans by Tamalpais High School Students.
 Supt. of Const.—G. T. Wendering, 124 Catalpa Way, Mill Valley.
 Site is now being cleared and work will be carried on by Tamalpais High School students under the supervision of Mr. Wendering.

BAKERSFIELD, Kern Co., Cal.—First Baptist Church of Bakersfield, A. J. Ferguson, chairman of board of trustees, contemplates erecting edifice on Truxton Ave. It is proposed to start construction this year.

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 1267

Preliminary Plans Being Prepared.
CHURCH Cost, \$50,000
MODESTO, Stanislaus Co., Cal. 12th and M Sts.
 Gothic type church, seating 500.
 Owner—First Baptist Church (Rev. C. A. Collett, pastor) Modesto.
 Architect—Rollin S. Tuttle, Box C, Los Gatos.

Sub-Contracts Awarded.

CHURCH Cost, \$350,000
SAN FRANCISCO. NE Ellis St. and Taylor St.

Six-story and basement reinforced concrete, steel and terra cotta church, hotel apartments and stores building.

Owner—Gilde Foundation (Mrs. L. H. Glide), 162 Uplands Ave., Berkeley (Rev. F. W. Rollins, pastor).
 Architect—James Plachek, Mercantile Bank Bldg., Berkeley.
 Contractor—Monson Bros., 475 Sixth Street.

Structural Steel—McClintic - Marshall Co., 2050 Bryant St.

Reinforcing Steel—Gunn, Carle & Co., 444 Market St.

Excavating—Meyer Rosenberg, 12 Oak Grove.

Heating—J. H. Pinkerton, 927 Howard Street.

Plumbing—Giley Schmid Co., 198 Otis Street.

Mill Work—Acme Mill Co., 6th and Channel Sts.

Terra Cotta—Gladding - McBean, 660 Market St.

Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St.

Tile Work—Art Tile & Mantel Co., 221 Oak St.

Working Drawings Being Prepared.

CHURCH Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal.
 Two-story brick church.
 Owner—Roman Catholic Bishop (St. Stephen's Parish).
 Architect—Harry Devine, California State Life Bldg., Sacramento.
 Bids will be called for shortly.

Plans Being Completed.

CHURCH Cost, \$30,000
DUNSMUIR, Siskiyou Co., Cal.
 One-story reinforced concrete church
 Owner—Roman Catholic Bishop.
 Architect—Harry Devine, California State Life Bldg., Sacramento.
 Bids will be taken in about one week.

Preparing Working Drawings.

CHURCH Cost, \$250,000
SAN FRANCISCO. Funston Ave. and Judah St. (120x245 ft.)
 Class A reinforced concrete church (2000 seating capacity).
 Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
 Architect—Shea & Shea, 454 Montgomery St., San Francisco.
 Plans will be ready for bids in 60 days.

FACTORIES AND WARE-HOUSES

Preliminary Plans Being Prepared.
FACTORY, BLDGS. Cost, \$500,000
FRUITVALE, Alameda Co., Cal.
 Group of reinforced concrete factory buildings.
 Owner—Oliver United Filters Co., Inc., Fourth and Madison Sts., Oakland.

Architect—Reed & Corlett, Oakland
Bank of Savings Bldg., Oakland.
Plans Being Figured—Bids Close
June 2, 2 P. M.
REMODELING Cost approx. \$7000
SAN JOSE, Santa Clara Co., Cal.
Remodel present warehouse.
Second and San Fernando Sts.
Owner—Lion & Co., San Jose.
Architect—Herman Krause, Bank of
San Jose Bldg., San Jose.

Sub-Contracts Awarded.
PLANT Cost, \$20,000
PLACERVILLE, El Dorado Co., Cal.
Main Street.
Timber and corrugated iron fruit
packing plant, sawtooth type, 150
x125 ft. with basement 105x120 ft.
Owner—S. A. Gerrard Co., Coloma St.,
Placerville.
Plans by Eng. Dept. of Owner.
Contractor—Walter Campbell Constr.
Co., 800 R St., Sacramento.
Lumber—J. B. Blair Lumber Co.,
Placerville.
Concrete Aggregates—Pacific Coast
Aggregates, 85 2nd St., S. F.
Cement—Cowell Lime & Cement Co.,
2 Market St., San Francisco.
Corrugated Iron—S. G. Beach & Co.,
Placerville.
Electric Work—George C. Foss, Sacra-
mento.
Painting—Willcoxon Wilson, Sacra-
mento.
Hardware—Shorrock Smith, Sacra-
mento.
Reinforcing Steel—Concrete Engi-
neering Co., 1280 Indiana St., San
Francisco.

Sub-Contracts Awarded.
WAREHOUSE Cost, \$50,000
SUNNYVALE, Santa Clara Co., Cal.
One and two-story concrete ware-
house.
Owner—Libby, McNeill & Libby, Mer-
chants' Exchange Bldg., S. F.
Architect—Eng. Dept. of Owner.
Contractor—Barrett & Hilt, 918 Har-
rison St., San Francisco
Reinforcing Steel—W. S. Wetenhall,
17th and Wisconsin Sts., S. F.
Steel Column Forms—DesLauriers
Metal Products Co., 1730 28th
Ave., Oakland.
Lumber—Christensen Lumber Co.,
Fifth and Hooper Sts., S. F.

Plans Being Completed.
WAREHOUSE Cost, \$75,000
FRESNO, Fresno Co., Calif.
Two-story and basement brick ware-
house (100x150 ft.)
Owner—United Grocers, Inc.
Architect—Swartz and Ryland, Brix
Bldg., Fresno; Spazier Bldg., Mont-
erey, and 373 Main St., Salinas.
Bids will be called for about June 15.

Contract Awarded.
WAREHOUSE Cost, \$80,000
WATSONVILLE, Santa Cruz Co. Cal.
Two-story reinforced concrete ware-
house and general offices.
Owner—Espinola, Inc.
Architect—A. W. Story, Pajaro Valley
Bank Bldg., Watsonville.
Contractor—The Ruegg Co., 369 Pine
St., San Francisco.

Contract Awarded.
CREAMERY Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. W
San Carlos and Locust Sts.
One-story reinforced concrete cream-
ery.
Owner—Hester Dalry, San Jose.
Architect—Wolfe and Higgins, Realty
Bldg., San Jose.
Contractor—J. C. Thorp, San Jose,
314.22.
Plumbing, Sheet Metal and Piping
bids are held under advisement for a
few days.

Bids Rejected.
MEZZANINE FLOOR Cost, \$—
OAKLAND, Alameda Co., Cal. Mu-
nicipal Airport Hangar No. 4, Sec-
tion B.
Construct mezzanine floor and par-
titions (50x120 ft.; wood construc-
tion.)

Owner—City of Oakland Port Com-
mission, G. B. Hegardt, Secretary,
424 Oakland Bank Bldg., Oakland.
Architect—Eng. Dept. of Owner.
On previous call for bids Sullivan
& Sullivan, 3021 Maxwell Ave., Oak-
land, submitted lowest bid at \$4450.
New bids may be called for at a later
date.

Plans Being Figured
FACTORY Cost, \$60,000
OAKLAND, Alameda Co., Cal. 22nd
and Campbell Sts.
Two-story reinforced concrete factory
(42x62 feet)
Owner—George Brooks, 6466 Moraga
Ave., Oakland.
Architect—Chas. F. B. Roeth, 1404
Franklin St., Oakland.
Bids are being received by selected
list of contractors.

Plans Being Prepared.
WAREHOUSE Cost, \$30,000
OAKLAND, Alameda Co., Cal. Sec-
ond and Harrison Sts.
One-story steel and brick warehouse
(100x200 ft.)
Owner—Safeway Stores, Fourth and
Jackson Sts., Oakland.
Engineers—Couchot & Rosenwald, Un-
derwood Bldg., San Francisco, and
Chas. Roeth, 1404 Franklin Street,
Oakland.

Working Drawings Being Prepared.
BAKERY Cost, \$—
FAIRFIELD, Solano Co., Cal. Texas
and Jackson Sts.
Two-story class A bakery building (60
x80 ft.)
Owner—John F. Meyer, Fairfield.
Architect—Coffman, Sahlberg & Staf-
ford, Forum Bldg., Sacramento,
and First National Bank Building,
Oakland.
Bids will be taken in ten days.

Sub-Contracts Awarded.
FACTORY Cost, \$—
SAN LEANDRO, Alameda Co., Cal.
One-story factory.
Owner—California Packing Corp., 101
California St., San Francisco.
Engineer—Phillip Bush, 101 California
St., San Francisco.
Mill Work—Pacific Mfg. Co., Monad-
nock Bldg., San Francisco.
Glass—Cobbledick-Kibbe Glass Co., 666
Howard St., San Francisco.
Lumber—T. P. Hogan Lumber Co.,
Hearst Bldg., San Francisco.
Sheet Metal—American Sheet Metal
Shop, 215 Washington St., Oakland
Finish Hardware—Associated Har-
ware Co., 3560 San Pablo Avenue,
Oakland.
Patent Fixtures—Hauser Window Co.,
1370 Harrison St., San Francisco.

Preliminary Plans Being Prepared.
FACTORY Cost, \$100,000
PORT SAN FRANCISCO, San Mateo
Co., Cal. Near Belmont.
One and two-story steel frame and
brick factory and offices (100x100
feet).
Owner—William Shredded Wheat, 525
Market St., San Francisco
Architect—Walter Falch, Hearst
Bldg., San Francisco.
Project is in the promotion stage.

Contract Awarded.
PLANT Cost, \$20,000
PLACERVILLE, El Dorado Co., Cal.
Main Street.
Timber and corrugated iron fruit
packing plant, sawtooth type, 150

x125 ft., with basement 105x120 ft.
Owner—S. A. Gerrard Co., Coloma St.,
Placerville.
Plans by Eng. Dept. of Owner.
Contractor—Walter Campbell Constr.
Co., 800 R St., Sacramento.
Construction has just started.

GARAGES AND SERVICE STATIONS

Sub-Contracts Awarded.
GARAGE Cost, \$35,000
SAN FRANCISCO, SW Eighteenth &
Shotwell Sts.
One-story concrete garage.
Owner—Langendorf United Bakeries,
Inc., 1160 McAllister St.
Engineers—Ellison & Russell, 712 Pa-
cific Bldg.
Contractor—Barrett & Hilt, 918 Har-
rison Street.
Lumber—Rolando Lumber Co., 301
Berry St.
Brick—Hock and Hoffmeyer, 666 Mis-
sion St.
Steel Pans—U. S. Metal Products Co.,
330 10th St.
As previously reported excavation
awarded to Piombo Bros. & Co., 1269
14th Ave.

Contract Awarded.
ALTERATIONS Cost, \$7500
BERKELEY, Alameda Co., Cal. No.
1509 Euclid Avenue.
Alterations and additions to two-story
frame and stucco residence and
construct frame and stucco ga-
rage (concrete foundation).
Owner—Prof. C. H. Eissell, 1539 So-
noma St., Berkeley.
Architect—Gwynn Officer, Hotel
Claremont, Berkeley.
Contractor—W. R. Jones, 2218 Los
Angeles Ave., Berkeley.

Contract Awarded.
AUTO SALES BLDG. Cost, \$—
ALAMEDA, Alameda Co., Cal. Park
St. and Buena Vista Ave.
One-story Class C auto sales and ga-
rage building.
Owner—Frank Dietz, 2318 Central
Ave., Alameda.
Plans by Angelo Hewetson, 1100 Ver-
sailles Ave., Alameda.
Contractor—Conrad Roth, 2101 Central
Ave., Alameda.
Contract has been signed.

Contract Awarded.
SERVICE BLDG. Cost, \$11,000
SAN JOSE, Santa Clara Co., Cal. W
Santa Clara and Autumn Sts. (76x
240 ft.)
One-story reinforced concrete and
steel auto sales and service build-
ing (15x85 ft.)
Owner—Auburn Auto Sales Co. (Jas.
D. Shaw, president).
Architect—Herman Krause, 243 N-
Ninth St., San Jose.
Contractor—Magna & Newell, Bank of
Italy Bldg., San Jose.

Plans Being Prepared.
GARAGE & OFFICES Cost, \$175,000
PORTLAND, Ore. SW Sheridan and
Hood Sts.
Part one and two-story concrete ga-
rage and offices, 200x240-ft.
Owner—Pacific Greyhound Lines
(formerly Oregon Stage Lines),
Portland.
Architect—Knighton and Howell, U.
S. Bank Bldg., Portland.

GOVERNMENT WORK AND SUPPLIES

TUCSON, Ariz.—Robert Garcia Welch
Drilling Co., Box 611, Palo Alto, Calif.,
at \$3,000 awarded contract by U. S.
Veterans' Bureau to drill deep well
and construct connecting pipe lines at
Veterans' Hospital, Tucson.

SACRAMENTO, Cal.—Until June 5, 3 P. M., under Order No. 2021, bids will be received by U. S. Engineer Office, California Fruit Bldg., for re-machining one pump head engine side. Further information obtainable from above.

SAN FRANCISCO—Until June 6, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to furnish and install water softener plant at the Letterman General Hospital, San Francisco Presidio. Specifications obtainable from above.

SACRAMENTO, Cal.—Until June 4, 3 P. M., under Order No. 2010-1643, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, stobe bolts, spring steel cotter, brass wood screws and machine bolts. Specifications obtainable from above office.

STOCKTON, San Joaquin Co., Cal.—Bids will be asked shortly by U. S. Engineer Office, Customhouse, San Francisco, to construct levees in the vicinity of Stockton in connection with the Stockton Deep Water project, a \$5,000,000 development.

SACRAMENTO, Cal.—Until June 5, 3 P. M., under Order No. 2015-1645, bids will be received by U. S. Engineer Office, California Fruit Bldg., for one pipe threading machine, belt driven, capacity 1-inch to 4-inch, complete with full set of dies, similar and equal to machine manufactured by the National Pipe Threading Machine Company also one complete set of attachments and dies for above machine for threading $\frac{1}{2}$ -inch and $\frac{3}{4}$ inch pipe. Further information obtainable from above.

SAN FRANCISCO—Until June 11, 11 A. M., under Specification No. 6177, bids will be received by Public Works Officer, Twelfth Naval District, 100 Harrison St., for installation of wood and glass partitions, tongue and grooved partitions, lockers and work bench at the U. S. Naval Reserve Armory, 105 Market St. Plans obtainable from above office on deposit of \$10, returnable.

SACRAMENTO, Cal.—Until June 6, 3 P. M., under Order No. 2014-1643, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, 1000 C ft. Wire Rope, "Trulay" or equal; Seales construction, plow steel $\frac{3}{8}$ " dia. hemp center, 6 strands, 19 wires to the strand; in 1 piece, 1000 feet long, furnished on individual reel; also for 1000 C ft. wire rope, modified Seales construction, plow steel, $\frac{3}{8}$ " dia., hemp center, 6 strands, 19 wires to the strand; in 1 piece, 1000 feet long on individual reel

SACRAMENTO, Cal.—Until June 4, 3 P. M., under Order No. 2015-1643, bids will be received by U. S. Engineer Office, California Fruit Bldg., to furnish and deliver Rio Vista, Solano County, 150 tons of crushed rock, varying from $\frac{1}{4}$ in. to $\frac{3}{4}$ in. Bids are desired f. o. b. charge, Engineer, Wharf, Rio Vista, or dumped in place along road leading to U. S. Engineer Warehouse at Rio Vista, as directed, 20 days after receipt of order. Further information obtainable from above.

TUCSON, Ariz.—Until June 16, 10 A. M., bids will be received by Superintending Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, Calif., to install lawn sprink-

ling system at Veterans' Hospital at Tucson, Ariz. Plans obtainable from above.

MONTEREY, Monterey Co., Calif.—Until June 2, under Circular No. 9, bids will be received by Quartermaster Presidio of Monterey, to furnish and install 2 horizontal centrifugal pumps, etc., in Building No. 21. Specifications obtainable from above office.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish and deliver miscellaneous supplies and equipment as noted in the following schedules, further information being available from the Navy Department Officer, 100 Harrison St., San Francisco:

Bids Open June 10
 Mare Island, 1 motor truck; San Francisco, 1 do; sch. 3459.
 Western yards, hammer, file and tool handles, sch. 3448.
 Mare Island, 1 gasoline-operated crane, sch. 3467.
 Puget Sound, 24 ship lavatories; Puget Sound, 75 shower heads; Puget Sound, 44 water closets, sch. 3468.
 Puget Sound and Mare Island, 2,500 lbs. brass, 4,870 lbs. bronze and 2,466 lbs. copper, sch. 3478.
 Puget Sound, 52,000 lbs. black plate steel, sch. 3477.
 Western yards, t. a. p., dies, tap wrenches and die-stocks, sch. 3472.
 Western yards, files and rasps, sch. 3475.

Bids Open June 17
 Western yards, calipers, dividers, gages, planes and squares, sch. 3484.
 Mare Island, 1 gyro-pilot equipment modified for distant radio control, sch. 3480.
 Western yards, prickers and shovels, sch. 3482.
 San Diego, 1 motor head type wood-working lathe, 1 motor-driven ball-bearing finishing planer, sch. 3473.
 Western yards, chisels, machinists' blanks, chisel, pneumatic tool, sch. 3481.

San Diego, 1 motor-driven double surfacer, sch. 3498.
 Western yards, clamps, cutters (emery wheel and glass), tool holders, punches, sockets, and spikes, sch. 3485.

KLAMATH FALLS, Ore.—As previously reported, George Isackson, 1015 E. Irving St., Portland, Ore., submitted low bid to Supervising Architect, Treasury Department, Washington, D. C., to erect postoffice at Klamath Falls. Complete list of bids follows:

George Isackson, Portland, Oregon, \$167,130.
 William MacDonald Const. Co., St. Louis, \$174,428.

Schuler & McDonald, Inc., Oakland, \$175,000.

Charles Weltz's Sons, Des Moines, Iowa, \$175,000.

W. D. Lovell, Minneapolis, Minn., \$175,100.

Stebinger Bros., Portland, Oregon, \$175,800.

Walter Petersen, Omaha, Neb., \$183,226.

I. L. Young, Portland, Ore., \$184,478.83.

Ross B. Hammond, Inc., Portland, Ore., \$186,961.

Harry Boyer, Son & Co., Olympia, Wash., \$191,500.

Ring Const. Co., Minneapolis, Minn., \$194,465.

R. Budke, Omaha, Neb., \$216,250.
 Jas. L. Quinn, Klamath Falls, Ore., \$219,575.

SAN BERNARDINO, Cal.—In addition to these previously reported, following are prospective bidders on the proposed new postoffice to be erected at San Bernardino, bids for which will be opened by the Supervising Archi-

tect, Treasury Department, Washington, D. C., June 6:

Wm. T. Loesch & Son, 109 S. Chester Ave., Pasadena, Calif.

J. W. Robinson, 434 Court St., San Bernardino, Calif.

Baker and Robinson, 434 Court St., San Bernardino, Calif.

Schuler & McDonald, Inc., 1723 Webster St., Oakland, Calif.

Robert E. McKee, 1900 Texas St., El Paso, Texas.

(6918) 1st report April 20; 2nd, May 20, 1930.

SITKA, Alaska—Harri Machine Shop Juneau, Alaska, at \$4,200 submitted low bid to Supervising Architect, Treasury Department, Washington, D. C., for heating public building at Sitka. Complete list of bids follows:

Harri Machine Shop, \$4,200.

Rice and Ahlers, Juneau, \$4,300.

J. L. Powers, Bennettville S. C., 4,473.

Bergh Griggs Company, Tacoma, Wash., 4,942.

Newport Cont. & Eng. Co., Lee Hall, Va., 10,872.

HAWTHORNE, Nevada—As previously reported, Schuler & McDonald, Inc., at \$32,494 submitted low bid to Bureau of Yards and Docks, Navy Department, under Specification No. 6112, for beach development, fence, etc., at Hawthorne Naval Ammunition Depot. Complete list of bids received follows:

Schuler & McDonald, Inc., 1723 Webster St., Oakland, \$32,494.

Robert E. McKee, Central Building, Los Angeles, \$39,900.

Newport Contracting & Engineering Co., Lee Hall, Va., \$103,531.

Campbell Bldg. Co. of Utah, Salt Lake City Utah, \$124,500.

SAN FRANCISCO—Until June 16, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for installation of night lighting system at Crissy Field, Presidio. Specifications obtainable from above on deposit of \$20.00.

HALLS AND SOCIETY BUILDINGS

Bids To Be Taken In Three Weeks.
GYMNASIU Cost, \$35,000.

VALLEJO, Solano Co., Cal. York and Santa Clara Sts.

One-story gymnasium (type of construction not decided (90x56-ft.).

Owner—Naval Y. M. C. A. (W. T. Wilkie, manager), Vallejo.

Plans by Owner.

Mr. Wilkie is in the East and will bring the specifications with him on his return, which will be in three weeks, at which time bids will be called for.

To Purchase Site Shortly.
MEMORIAL Cost, \$—.

HAYWARD, Alameda Co., Cal. Veterans' Memorial Building.

Owner—County of Alameda.

Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Hayward City Council proposes to purchase site within the next few weeks with money already on hand.

Early construction of the building is contemplated from funds to be provided by the county supervisors.

Plans Being Figured—Bids Close June 24th, 10:30 A. M.

MEMORIAL BLDG. Cost, \$65,000.

EMERYVILLE, Alameda Co., Calif. Salem St. bet. 43rd and 45th Sts.

Two-story reinforced concrete Veterans' Memorial Building.

Owner—County of Alameda.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Date Of Opening Bids Postponed Until June 4th.
LODGE BLDG. Cost, \$30,000
 NILES, Alameda Co., Cal.
 Two-story brick lodge building.
 Owner—Odd Fellows Lodge.
 Architect—George Ellinger, 1723 Webster St., Oakland.

HOSPITALS

Bids To Be Taken About June 4.
LABORATORY Cost, \$20,000
 with equipment
SAN FRANCISCO. Sutter and Scott Streets.
 One-story brick laboratory building
 Owner—Mt. Zion Hospital, Premises
 Architect—Arthur Brown Jr., 251 Kearny St., San Francisco.

Plans To Be Prepared.
HONE OAKLAND, Alameda Co., Cal. Est. 29th St.
 Home For Aged (height and type of construction not decided).
 Owner—Salem Lutheran Benevolent Assn., Oakland.
 Architect Not Decided.
 Competitive sketches are being received from several architects. Decision will be made within a few days.

Sub-Bids In To Be Awarded Shortly
ADDITION Cont. Price, \$150,389
OAKLAND, Alameda Co., Cal. Fairmont Hospital.
 Two-story Class C reinforced concrete hospital addition.
 Owner—County of Alameda.
 Architect—H. H. Meyer, Kohl Bldg., San Francisco.
 Contractor—Geo. J. Maurer, 50 York Drive, Oakland.
 Previously reported that sub-bids were being taken. This was in error as all sub-bids have been in for some time.

As previously reported, plumbing awarded to J. A. Fazio, 402 Castro St., Oakland, at \$12,684.

Preliminary Plans Being Prepared.
ADDITIONS Cost, \$100,000
SAN FRANCISCO, Potrero Ave., bet. 20th and 23rd Sts. (San Francisco Hospital).
 Class A additions on roof of four ward buildings (brick walls, tile roof).
 Owner—City & County of San Francisco.
 Architect—Alfred I. Coffey & Martin J. Rist, Associated, Phelan Bldg., San Francisco.

EUREKA, Humboldt Co., Cal.—Until June 10, 2 P. M., bids will be received by Fred M. Kay, county clerk, to furnish and install dental equipment for Humboldt County Hospital, now in course of completion. Certified check 5% required with bid. Specifications on file in office of clerk.

Bids To Be Taken About June 1.
ADDITION Cost, \$150,000
REDWOOD CITY, San Mateo Co., Cal. County Hospital Grounds at Beresford.
 Wing addition to county hospital.
 Owner—County of San Mateo, Elizabeth M. Knesse, County Clerk.
 Architect—Will H. Toepke, Call Bldg., San Francisco.

Plans Being Prepared.
REMODELING Cost, \$40,000
OAKLAND, Alameda Co., Cal. Highland Hospital.
 Remodel ambulance entrance at reinforced concrete hospital.
 Owner—County of Alameda.
 Architect—H. H. Meyer, Kohl Bldg., San Francisco.
 Plans will be ready for bids in from three to four weeks.

Additional Prospective Bidders.
HOSPITAL Cost, \$400,000
PALO ALTO, Santa Clara Co., Calif. On State Highway north of Palm Drive.
 Four-story reinforced concrete hospital (100-bed capacity).
 Owner—City of Palo Alto.
 Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.
 Following is a partial list of the contractors figuring the plans:
 R. W. Littlefield, 337 17th St., Oakland.

Jacks & Irvine, 74 New Montgomery St., San Francisco.
 Anderson & Ringrose, 320 Market St.
 As previously reported:
 Mahony Bros., Flood Bldg., S. F.
 MacDonald & Kahn, Financial Center Bldg., S. F.
 James L. McLaughlin, 251 Kearny St., S. F.
 Will C. Keating, Mountain Blvd., Oakland.
 K. E. Parker, 135 South Park, S. F.
 Vogt & Davidson, 185 Stevenson St., San Francisco.
 E. T. Leiter & Sons, 811 37th St., Oakland.
 Dinwiddie Const. Co., Crocker Bldg., San Francisco.
 Clinton Const. Co., 923 Folsom St., San Francisco.
 Barrett & Hilp, 918 Harrison Street, San Francisco.
 Monson Bros., 475 6th St., S. F.
 C. L. Wold, 185 Stevenson St., S. F.
 As previously reported bids are to be opened June 2, 4 P. M.

Laundry, heating plant, kitchen and store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and 3rd floors will be devoted to accommodations of patients in addition to two-three- and four-room wards and 15-room nursery. Large sun porch will also be located on second floor. Fourth floor will be given over to surgery.

Contracts Awarded.
WARD BLDG. Cost, \$—
WHITTIER, Los Angeles Co., Calif. State School Grounds.
 Two-story brick ward building, approx. 8800 sq. ft. floor area, and one-story brick shop, approx. 11,200 sq. ft. of floor area.
 Owner—State of California.
 Architect—State Department of Public Works, Division of Architecture, Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.

Ward building will have frame interior construction and tile roof, shop will have concrete floor, wood roof construction and tile roof.
General Work
 Knerr & Son, Los Angeles, \$46,190.
Electrical Work
 American Elec. Const. Co., Los Angeles, \$2,575.
Plumbing and Heating
 Pacific Pipe & Supply Co., Los Angeles, \$11,218.

Ornamental Iron Contract Awarded.
ADDITION Cost, \$65,000
SAN FRANCISCO. Fell St. and Baker Street.

Addition to present class A hospital.
 Owner—Southern Pacific Railroad Co., 65 Market St.
 Architects—Alfred I. Coffey and Martin J. Rist, Phelan Bldg.
 Contractor—Barrett & Hilp, 918 Harrison Street.
Ornamental iron—Selpie Orn. Iron Works, 1079 Folsom St.
 As previously reported mill work awarded to Anderson Bros. Planing Mill, Quint and Custer Sts.; lumber to Rolando Lumber Co., 301 Berry St.; excavation to Plombo Bros., 1269 14th Street.

Contract Awarded.
ADDITION Cost, \$125,000
SAN FRANCISCO. Mission Street and Silver Avenue.
 Reinforced concrete wing addition to present building.
 Owner—Hebrew Home for Aged.
 Architect—Hyman and Appleton, 68 Post Street.
 Contractor—Spivock & Spivock, Hobart Bldg.

Commissioned To Prepare Plans.
HOME OAKLAND, Alameda Co., Calif. E 29th Street.
 Two-story class C concrete Home for Aged.
 Owner—Salem Lutheran Benevolent Assn., Oakland.
 Architect—Henry H. Gutterson, 526 Powell St., San Francisco.

Plumbing Contract Awarded.
ADDITION Cont. price, \$150,389
OAKLAND, Alameda Co., Cal. Fairmont Hospital.
 Two-story class C reinforced concrete hospital addition.
 Owner—County of Alameda.
 Architect—H. H. Meyer, Kohl Bldg., San Francisco.
 Contractor—Geo. J. Maurer, 50 York Drive, Oakland.
 Plumbing—J. A. Fazio, 402 Castro St., Oakland, \$12,684.

HOTELS

To Be Done By Day's Work.
HOTEL Cost, \$125,000
SAN FRANCISCO. S Market St. W 12th St.
 Six-story and basement reinforced concrete hotel.
 Owner—J. T. Schlinger, 510 Battery St.
 Plans by L. H. Thomas, 17th and Webster Sts., Oakland.

Plans Being Figured.
HOTEL Cost, \$100,000
BLUE LAKE, Lake Co., Cal. 250-acre tract.
 Three-story frame and stucco hotel (224x126 feet).
 Owner—Blue Lake Hotel and Resort Corp., Harry W. Kemp, President
 Architect—Chas. Strothoff, 2274 15th St., San Francisco.
 Will contain 48 rooms, all of which will have private baths. Steam heating; glass enclosed porches. Basement will provide dressing rooms for bathers, a barber shop and five store rooms.

Preparing Plans.
HOTEL Cost, \$500,000
 (Furniture, \$250,000)
PHOENIX, Arizona. NE Central Ave. and Fillmore St.
 Fourteen-story and basement Class A reinforced concrete hotel (90x110 feet).
 Owner—Arizona Ambassador Hotel Co. (Mark B. Thompson, et al).
 Architect—Fitzhugh & Byron, Home Builders Bldg., Phoenix.
 Construction will probably start about July 1st.

Date Of Opening Bids Postponed Until June 9, 12 Noon.
HOTEL Cost, \$500,000
EUREKA, Humboldt Co., Calif. NW Fourth and F Sts.
 Ten-story class B reinf. concrete 200-room modern hotel building.
 Owner—Plickwick Co. (Ed. Thompson, 5th and Mission Sts., San Francisco, in charge).
 Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.
 As previously reported, soundings by Mercer-Fraser Co., Eureka.

Preparing Sketches
HOTEL Cost, \$175,000
SANTA BARBARA, Cal. Cabrillo
Park Tract.
Tourist hotel.
Owner—Fred Bartholomew, Mgr. At-
ascadero Inn, Atascadero, Calif.
Architect—Walker & Eisen, Western
Pacific Bldg., Los Angeles.

Plans Completed—Contract Awarded
HOTEL Cost, \$150,000
EMERYVILLE, Alameda Co., Cal.
San Pablo Ave. and Park St.
Three-story steel frame and concrete
hotel and stores (100 rooms).
Owner—Chook Poy Non, Emeryville.
Architect—W. E. Schirmer, 700 21st
St., Oakland.
Contractor—Chas. Heyer, Mills Bldg.,
San Francisco.
Construction will start shortly.

ICE AND COLD STORAGE PLANTS

Contract Awarded.
REFRIGERATION PLANT \$35,000
SAN FRANCISCO. Twelfth and
Bernice Streets.
Two-story reinforced concrete meat
refrigeration plant.
Owner—Bell Bros., Mills Bldg., San
Francisco.
Architect—E. H. Denke, 1317 Hyde
St., San Francisco.
Contractor—Cahill Bros., 206 Sansome
St., San Francisco.

POWER PLANTS

MODESTO, Stanislaus Co., Cal.—
Until June 16, 11 A. M. bids will be
received by C. S. Abbott, secretary,
Modesto Irrigation District, to furnish
copper wire. Certified check 5% pay-
able to district required. Specifications
obtainable from above. C. S. Abbott,
secretary.

ROSEVILLE, Placer Co., Cal.—
Until June 4, 3 P. M. bids will be re-
ceived by F. R. Chilton, city clerk, to
furnish and deliver one carload of
poles for Municipal Electric Light
Department. Specifications on file in
office of clerk.

LOS ANGELES, Cal.—Until 2 P. M.
June 9, bids will be received by the
county supervisors for furnishing one
150-hp. boiler for Olive View Sani-
tarium. Plans are on file at the office
of Mame B. Beatty, 303 Hall of Rec-
ords.

PASADENA, Los Angeles Co., Cal.
—Bids will be asked shortly by city
directors to furnish and install two
boilers for light plant; estimated cost
\$210,000.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Working Drawings Being Prepared.
LIBRARY Cost, \$65,000
BURLINGAME, San Mateo Co., Cal.
One-story fireproof library building.
Owner—City of Burlingame
Architect—E. L. Norberg, 530 Market
St., San Francisco.

Preparing Preliminary Plans.
ADDITION Cost, \$500,000
LONG BEACH, Los Angeles Co., Cal.
City Hall.
Five-story addition to city hall (type
of construction not determined).
Owner—City of Long Beach.
Structural Engineer—G. W. Flrth,
Long Beach.

SAN FRANCISCO.—Until June 16,
3 P. M., (Proposal 595) bids will be re-
ceived by L. S. Leavy, city purchasing

agent, 270 City Hall, for furnishing 1
steel counter with filing cases
and two wickets for clerk's office of
Municipal Court, City Hall. Specifica-
tions obtainable from above.

MODESTO, Stanislaus Co., Cal.—
City council has adopted an ordinance
providing an appropriation of \$12,000
to finance enlargement and remodel-
ing of city clerk's office in city hall.
H. E. Gragg is city clerk.

RESIDENCE

Plans Being Prepared.
RESIDENCE Cost, \$—
BERKELEY, Alameda Co., Cal.
Two-story frame and stucco residence
Owner—Withheld.
Architect—Swartz & Ryland, Spazier
Bldg., Monterey; 373 Main St., Sa-
linas, and Brix Bldg., Fresno.

Contract Awarded.
RESIDENCE Cost, \$—
WOODSIDE, San Mateo Co., Cal.
One-story frame and stucco residence
(12 rooms).
Owner—Leon Sloss Jr., 2700 Broad-
way, San Francisco.
Architect—W. W. Wurster, 260 Cali-
fornia St., San Francisco.
Contractor—Moore & Madsen, 557
Market St., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$11,000
SAN JOSE, Santa Clara Co., Cal. N-
Thirteenth Street.
Two-story frame and stucco residence
Owner—T. J. Callahan, 75 N-13th St.,
San Jose.
Architect—Wolfe & Higgins, Realty
Bldg., San Jose.
Contractor—C. F. Kessling, 798 Coe
St., San Jose.
Following is a complete list of bids:
C. F. Kessling, San Jose.....\$10,945
H. Walsh, San Jose.....12,170
Henry Bolwin, San Jose.....12,309
C. Maurer, San Jose.....12,922
B. J. Smith, San Jose.....12,999
Guy M. Latta, San Jose.....13,940
G. S. Carpenter, San Jose.....14,688
W. L. Jose, San Jose.....15,393

SALINAS, Monterey Co., Cal.—
Until June 2, 7:30 P. M., bids will be
received by M. R. Keef, city clerk,
for remodeling frame residence at
Salinas sewer treatment plant. Certi-
fied check 10% required. Specifica-
tions on file with city clerk.

Plans Being Figured.
RESIDENCE Cost, \$12,000
SAN FRANCISCO. Noe Street near
24th.
Two-story and basement frame and
stucco residence (8 rooms).
Owner—P. C. Fisher, % Edwards, &
Schary, architects, 605 Market St.
Plans by Owner.

Contract Awarded.
RESIDENCE Cost, \$25,000
SAN FRANCISCO. N Lake St. West
13th Ave.
Two-story and basement frame and
stucco residence.
Owner—H. B. Allen, Inc., 168 Sutter.
Architect—Hyman and Appleton, 68
Post St.
Contractor—Jacks & Irvine, 74 New
Montgomery St.

Specifications Being Written.
RESIDENCE Cost, \$20,000
SAN FRANCISCO. Location With-
held.
Two-story frame and stucco residence.
Owner—Withheld.
Architect—Edward Eames, 352 Sacra-
mento St.
Plans will be ready for bids in ten
days.

Owner Taking Bids.
RESIDENCE Cost, \$20,000
PIEDMONT, Alameda Co., Calif. St.
James Wood.
Two-story and basement frame and
stucco residence.
Owner—Timothy E. Colvin, 461 Belle-
vue Ave., Oakland.
Architect—Sidney B. Noble & Archie
T. Newcom, Federal Realty Bldg.,
Bldg., Oakland.

Construction Postponed Until August.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Calif. San
Luis Road.
Two-story English type frame and
stucco residence (8 rooms).
Owner—Harry Mulvaney.
Architect—Sidney B. Noble and Archie
T. Newcom, Federal Realty Bldg.,
Oakland.

Contract Awarded.
RESIDENCE Cost, \$15,000
BELMONT, San Mateo Co., Cal.—
Belle Monte Country Club.
Two-story timber & Stucco residence
(8 rooms, 2 baths).
Owner—W. C. Lyons, Belle Monte
Country Club, Belmont.
Plans by Chester J. Dolphin, Redwood
City.
Contractor—H. H. McDonald, San
Carlos.

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Sub-Bids Being Taken.
ALTERATIONS Cost, \$1500
SAN FRANCISCO. Lombard St. bet. Hyde and Leavenworth Sts.
 Remodel interior of two-story frame and stucco residence.
 Owner—Mrs. Watson.
 Plans by D. E. Jackle, Call Bldg.
 Contractor—George Neugbauer, 22A Sanchez St.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$10,000
PIEDMONT, Alameda Co., Cal. Location Withheld.
 One-story frame and stucco residence (6 rooms).
 Owner—Withheld.
 Architect—Claude B. Barton, 522 Grand St., Oakland.

To Be Done By Day's Work By Owner
RESIDENCE Cost, \$10,000
WILLOW GLEN, Santa Clara Co., Cal. One-story and basement frame and stucco residence.
 Owner and Builder—W. Maderis, 1501 Lincoln St., San Jose.
 Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Plans To Be Prepared.
RESIDENCE Cost, \$300,000
SANTA BARBARA, Cal. Large residence.
 Owner—J. J. Mitchel (Prop. of El Mirador Cold Spring and Mountain Drive, Montecito).
 Architect—Edwards & Plunkett, 20 E. Figueroa St., Santa Barbara.

Plans To Be Prepared.
RESIDENCE Cost, \$25,000
LOS GATOS, Santa Clara Co., Cal. Two-story frame and stucco residence
 Owner—N. T. Bradford, President Western Wells Works, San Jose.
 Plans by George Kocher, ½ Owner.

Sub-Contracts Awarded.
RESIDENCE Cost, \$10,000
NORTH BURLINGAME, San Mateo Co., Cal.
 One-story frame and stucco residence.
 Owner and Builder—G. W. Williams Co., Ltd., 1404 Broadway, Burlingame.
 Plans by Russell Coleman, 1404 Broad-Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Lumber—Wisnom Lumber Co., Burlingame.
Wiring—Atlas Electric Co., 343 4th St., San Francisco.
Concrete—G. Adolphson, 707 N Claremont, San Mateo.

Preliminary Plans Being Prepared.
ALTERATIONS Cost, \$5000
PIEDMONT, Alameda Co., Cal. Location Withheld.
 Alterations and additions to residence
 Owner—Withheld.
 Architect—Claude B. Barton, 522 Grand St., Oakland.

Contract Awarded.
RESIDENCE Cont. Price, \$7400
SAN MATEO, San Mateo Co., Cal. One-story and basement frame and stucco residence (6 rooms).
 Owner—Arthur Devoto.
 Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
 Contractor—Thomas Broderick, 1528 Cypress St., Burlingame.

Plans Being Figured—Bids Close June 3rd.
RESIDENCE Cost, \$15,000
LA JOLLA, San Diego Co., Cal. One-story and basement six-room 2-baths frame and stucco residence
 Owner—Mr. and Mrs. Joseph.
 Architect—M. Sheldon and M. Masten, associated, Monadnock Bldg., San Francisco.

Sub-Bids Being Taken.
RESIDENCE Cost, \$8500
SAN FRANCISCO. N Jefferson Street 100 W Divisadero St.
 Two-story frame and stucco residence (7 rooms, 2 baths).
 Owner and Builder—Louis Franceschi, 125 Cervantes St.
 Architect—R. R. Irvine, Call Bldg.

Plans Being Completed.
RESIDENCE Cost, \$9,000
SANTA CRUZ, Santa Cruz Co., Calif. One and one-half story frame and stucco residence (Spanish type).
 Owner—L. W. Miller, Santa Cruz.
 Architect—L. D. Esty, Alta Building, Santa Cruz.
 Bids will be taken about June 2.

Plans Being Prepared.
RESIDENCE Cost, \$25,000
PIEDMONT, Alameda Co., Cal. Glen Alpine.
 Two-story frame and stucco residence.
 Owner—George M. Greenwood, Russ Bldg., San Jose.
 Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
 Bids will be called for at a later date

Plans Being Figured.
ALTERATIONS Cost, \$2000
SAN FRANCISCO. Lombard Street, bet. Hyde and Leavenworth Sts.
 Remodel two-story frame and stucco residence.
 Owner—Withheld
 Plans by D. E. Jackle, Call Bldg., San Francisco.

Sub-Figured Being Taken.
RESIDENCE Cost, \$12,000
SANTA ROSA, Sonoma Co., Cal. Two-story frame and stucco residence
 Owner—A. Bacigalupi, 320 S. Davis St., Santa Rosa.
 Plans by R. J. Whiting.
 Contractor—Robert J. Whiting, 624 Spencer St., Santa Rosa.

Sub-Figured Being Taken.
RESIDENCE Cost, \$15,000
SANTA ROSA, Sonoma Co., Cal. Two-story frame and stucco residence
 Owner—E. D. Seaton, 324 Slater St., Santa Rosa.
 Plans by R. J. Whiting.
 Contractor—Robert J. Whiting, 624 Spencer St., Santa Rosa.

Plans Being Figured.
RESIDENCE Cost, \$15,000
PALO ALTO, Santa Clara Co., Calif. Crescent Park.
 Two-story frame and stucco residence
 Owner—L. T. Brazer, 331 Castillya, Palo Alto.
 Plans by Howard L. Gray, 1551 El Cammino Real, Palo Alto.

Sub-Figures Being Taken.
RESIDENCE Cost, \$20,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
 Two-story brick veneer residence (12 rooms).
 Owner and Builder—J. M. Walker, 1709 Grove St., Berkeley.
 Plans by Owner.

Plans Being Figured.
RESIDENCE Cost, \$15,000
SAN RAFAEL, Marin Co., Calif. Two-story frame and stucco residence
 Owner—H. M. Rutgens.
 Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Plans Being Figured—Bids Close June 10th.
RESIDENCE Cost, \$—
UKIAH, Mendocino Co., Cal. County Farm Grounds.
 One-story frame and stucco steward's residence.
 Owner—County of Mendocino.
 Architect Not Figured.
 Plans are obtainable from the office of the county clerk at Ukiah.

Contract Awarded.
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. 931 Indian Rock Ave.
 Two-story frame and stucco residence (6 rooms).
 Owner—Elsie Patrick, 2015 Yolo Ave., Berkeley.
 Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.
 Contractor—H. G. Patrick, 2015 Yolo Ave., Berkeley.

Contract Awarded.
COTTAGE Cost, \$—
CARMEL, Monterey Co., Cal. One-story concrete block cottage (3 rooms and bath).
 Owner—Miss Elizabeth McClung White.
 Plans by Angelo Hewetson, 1100 Versailles Ave., Alameda.
 Contractor—Samuel Miller, Carmel.

Bids Opened—Held Under Advertisment
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. San Luis Road.
 Two-story English type frame and stucco residence (8 rooms).
 Owner—Harry Mulvaney.
 Architect—Sidney B. Noble & Archie T. Newsom, Federal Realty Bldg., Oakland.
 Bids referred to owner for award.

Plans Being Figured.
RESIDENCE Cost, \$9000
PALO ALTO, Santa Clara Co., Calif. Crescent Park.
 Two-story frame and stucco residence.
 Owner—W. H. Parkin, 25 Donohue, Palo Alto.
 Plans by Howard L. Gray, 1551 El Cammino Real, Palo Alto.

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Plans Being Figured By Selected List of Contractors. Cost, \$9000
RESIDENCE
SAN CARLOS, San Mateo Co., Cal.
 One and one-half-story frame and stucco residence (7 rooms).
 Owner—Henry Schwarz.
 Plans by Grimes & Schoening, Balovich Bldg., San Mateo.

Date Of Bid Opening Postponed Until May 28, 12 Noon.
RESIDENCE Cost, \$—
WOODSIDE, San Mateo Co., Cal.
 Two-story and basement brick veneer residence (18 rooms).
 Owner—Walter E. Buck.
 Architect—Farr & Ward, 68 Post St., San Francisco.

Preparing Working Drawings.
RESIDENCE Cost, \$22,000
BERKELEY, Alameda Co., Cal. Claremont Pines.
 Two-story frame, stucco and brick veneer residence (shingle tile roof)
 Owner—Dr. W. E. Mitchell, 2068 Allison Way, Berkeley.
 Architect—Masten and Hurd, Shreve Bldg., San Francisco.
 Contractor—J. P. Brennan, 2820 Regent St., Berkeley.
 Will have oil burner furnace, hot air heating system, etc. Construction will start in about two weeks.

Contract Awarded.
RESIDENCE Cost, \$20,000
SAN FRANCISCO. Forest Hill.
 Two-story and basement frame and stucco residence (10 rooms).
 Owner—Charles Bullitt.
 Architect—Harold G. Stoner, 220 3rd Ave., San Mateo.
 Contractor—J. Prout, 515 Magellan Ave., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$11,500
LODI, San Joaquin Co., Calif.
 One-story brick veneer residence (7 rooms).
 Owner—J. H. Meyers.
 Plans by T. E. Williamson, 1859 West Park Ave., Stockton.
 Contractor—T. E. Williamson, 1859 W Park Ave., Stockton.

Contract Awarded.
COTTAGE Cost, \$—
PATTON, San Bernardino Co., Calif.
 State Hospital Grounds.
 One-story frame and stucco assistant physician's cottage (shingle roof, 6 rooms).
 Owner—State of California.
 Architect—State Department of Public Works, Division of Architecture, Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.
 Contractor—A. M. McMurray, Los Angeles, \$5,950.

Plans Being Prepared.
BUNGALOW COURT Cost, \$18,000
MONTEREY, Monterey Co., Cal. El Dorado and Monraz Sts.
 One-story frame and stucco bungalow court.
 Owner—Mrs. Haskell.
 Architect—W. W. Hastings, Tyler St., Monterey.
 Plans will be ready for bids in ten days.

Plans Being Prepared.
RESIDENCE Cost, \$7500
STOCKTON, San Joaquin Co., Calif. Oxford Manor.
 Two-story brick veneer residence (6 rooms).
 Owner—G. A. Kern, (State Realty Co.) Stockton.
 Architect—J. U. Cloudsley, Exchange Bldg., Stockton.
 Bids will be taken in one week.

Contract Awarded.
COTTAGE Cost, \$—
SPADRO, Los Angeles Co., Cal. State Hospital Grounds near Pomona.
 One-story and basement frame and stucco assistant physician's cottage (shingle roof, 6 rooms).
 Owner—State of California.
 Architect—State Department of Public Works, Division of Architecture, Geo. B. McDougall, State Architect, Public Works Bldg., Sacramento.
 Contractor—A. M. McMurray, Los Angeles, \$5,350.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$12,500
SAN FRANCISCO. Kenwood Way.
 Two-story frame and stucco residence (9 rooms and 3 baths).
 Owner—G. W. Morris.
 Plans by D. E. Jackie, Call Bldg.
 Plans will be ready for bids in ten days.

Plans Being Figured.
RESIDENCE Cost, \$18,000
SANTA CLARA, Santa Clara Co., Cal.
 Two-story frame and stucco residence (11 rooms).
 Owner—Mr. McAllister.
 Architect—A. A. Cantin, 544 Market St., San Francisco.
 Bids are being taken from a selected list of contractors.

SCHOOLS

Contract Awarded.
ELECTRIC WORK Cost, \$2840
TAFT, Kern Co., Cal.
 Certain electrical work for school shop.
 Owner—Taft Union High School Dist.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco.
 Contractor—United Electric Co., Taft.
 Electric Wiring & Constr. Co., 219 Lucard St., Taft, only other bidder at \$3940. The work has to do with extensions of conduits and circuits in the new Shop Building, connecting up the motors in connection with the machines in the various departments; also furnishing new panel boards, etc.

Plans Ready For Bids In One Week.
SCHOOL Cost, \$80,000
 (Bonds voted to finance)
SANTA CRUZ, Santa Cruz Co., Calif. (Gault School).
 One-story concrete school.
 Owner—Santa Cruz School District.
 Architect—A. I. Coffey, Phelan Bldg., San Francisco.

Working Drawings Being Prepared.
GYMNASIUM Cost, \$50,000
BERKELEY, Alameda Co., Calif. Addison and Curtis Sts.
 Burbank Junior High School Gymnasium.
 Owner—Berkeley School District.
 Architect—Hardman and Russ, Berkeley Bank Bldg., Berkeley.
 Bids will be taken about July 1st.

Contract Awarded.
SEMINARY BLDG. Cost, \$125,000
PORTLAND, Oregon. Mt. Angel.
 Three-story and basement reinforced concrete seminary building (brick veneer and terra cotta facing; 38 x161 feet).
 Owner—Mt. Angel College and Seminary.
 Architect—Barrett & Logan, Pittock Bldg., Portland.
 Contractor—Edward J. Barrett, Worcester Bldg., Portland.
 This structure comprises the first unit of a construction program involving an expenditure of \$700,000.

Lighting Fixture Bids Wanted—Bids Close May 31, 11:30 A. M.
SCHOOL Cost, \$—
RENO, Washoe Co., Nevada.
 Electric light fixtures for B. D. Billingshurst Junior High School.
 Owner—Reno School District No. 10, Theo. W. Clark, Clerk, Reno.
 Architect—George A. Ferris & Son, Cladianos Bldg., Reno.
 Fixtures are to be similar to those now in place in the Fourth Street Junior High School. Specifications are obtainable from the architects.
 See call for bids under official proposal section in this issue.

Completing Revised Plans.
GYMNASIUM, ETC. Cost, \$165,000
REDONDO BEACH, Los Angeles Co. Cal. Diamond and Ileana Sts.
 Reinforced concrete gymnasium and shop.
 Owner—Redondo Beach Union High School District.
 Architect—Allison & Allison, 1905 California Reserve Bldg., L. A.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$35,000
LUCERNE, Lake Co., Cal.
 Reinforced concrete grammar school.
 Owner—Norman R. Coulter, 46 Kearny St., San Francisco.

SAN RAFAEL, Marin Co., Calif.—Until June 10, 8 P. M., bids will be received by O. R. Hartzell, secretary, Board of Education, for school supplies, woodworking supplies, athletic supplies, janitors' supplies, commercial supplies and typewriters for elementary and high school departments. Specifications obtainable from above.

SAN FRANCISCO—Until June 16, 3 P. M., (under Proposal 594) bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish gymnasium equipment for school department. Specification obtainable from above office.

SAUSALITO, Marin Co., Cal.—Until June 9, 12 noon, bids will be received by M. F. Seymour, secretary, Tamalpais Union High School District, for furnishing labor and material for roofing main building and machine shop; athletic supplies; general school supplies. Specifications on file with Mr. Wendering, superintendent of construction.

Completing Plans.
ADDITION Cost, \$—
SAN LORENZO, Alameda Co., Cal.
 Addition to high school.
 Owner—San Lorenzo School District.
 Architect—W. H. Weeks, Hunter-Du-lin Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 Bids will be taken in one week.

Contract Awarded.
DORMITORIES Cost, \$800,000
PASADENA, Los Angeles Co., Cal.
 Group of 4 two and three-story reinforced concrete Class A dormitories.
 Owner—California Institute of Technology.
 Architect—Gordon B. Kaardmann, Union Bank Bldg., Los Angeles.
 Contractor—Wm. C. Crowell, 495 S. Broadway, Pasadena.

SANGER, Fresno Co., Calif.—Until June 9, 8 P. M., bids will be received by M. W. Racon, clerk, Sanger Union High School District, to construct 406 lin. ft. concrete curb and 3,941 sq. ft. concrete sidewalks at school grounds. Specifications and further information obtainable from clerk.

Plans Being Prepared.

SCHOOL Cost, \$40,000
MCGLOUD, Siskiyou Co., Calif.
 One-story concrete school.
 Owner—Siskiyou Union High School District.

Plans by Woodworth Wethered, State Hotel, 16 Turk St., San Francisco.
 Bids will be taken about June 15th.

Plans Being Prepared.

HEATING Cost approx. \$3,000
WEED, Siskiyou Co., Cal. High School
 Steam heating system for high school.
 Owner—Siskiyou Union High School District.

Plans by Woodworth Wethered, State Hotel, 16 Turk St., San Francisco.
 Bids will be taken about June 15th.

Plans Being Figured—Bids Close June 9th.

AUDITORIUM Cost, \$185,000
LONG BEACH, Los Angeles Co., Cal.
 Polytechnic High School Site.
 Reinforced concrete school auditorium (112x208 feet).

Owner—Long Beach Board of Education.

Architect—W. Horace Austin, Pacific Southwest Bldg., Long Beach.

Contracts Awarded.

ADDITION Cost, \$57,996
NORTH HOLLYWOOD, Los Angeles Co., Cal. North Hollywood High School.

Class B concrete addition to school.
 Owner—Los Angeles Board of Education.

Architect—Myron Hunt and H. C. Chambers, 1107 California Reserve Bldg., Los Angeles.

Contractor—J. F. Kobler, 932 S. Rimpau St., Los Angeles.

Plumbing—Thos. Huverty Co., Los Angeles, at \$369.

Heating and Ventilating—Foss Heating and Sheet Metal Works, Pasadena, at \$997.

Electric Wiring—American Elec. Constr. Co., Los Angeles, at \$1950.

Painting—E. A. Lindgreen, at \$2500.

Bids Opened.

ADDITION Cost, \$—
HAYWARD, Alameda Co., Cal. Main and Walpert Streets.
 Seven-classroom addition to Bret Harte School.
 Owner—Hayward School District, Jacob Harder, Clerk.
 Architect—E. P. Whitman, 192 Main St., Hayward.

Following is a complete list of bids:
 George Hudson, 184 Perry St., Oakland.....\$25,998

The Minton Co., Palo Alto.....29,890

George Peterson, Hayward.....30,000

F. J. Westlund, Oakland.....30,248

A. F. Hansen, Hayward.....30,941

C. D. Vezey & Sons, Oakland.....31,382

Bids held under advisement.

Plans Being Figured—Bids Close June 19, 4 P. M.

SCHOOL Cost, \$60,000
SAN JOSE, Santa Clara Co., Cal. (Garden School).

One-story frame and stucco school (12 classrooms).

Owner—San Jose School District
 Architect—Warren Skillings, Garden City Bank Bldg., San Jose.

Contract Awarded.

ALTERATIONS Cost, \$12,000
SAN FRANCISCO, 3010 Clay St.
 Alterations to front of 3-story frame school.

Owner—B. H. Stokes, 3010 Clay St.
 Architect—S. C. Corbett, 1700 Pacific Avenue.

Contractor—Mattock and Feasey, 210 Clara St.

Bids Opened.

ADDITION Cost, \$—
HAYWARD, Alameda Co., Cal. B St. bet. Myrtle and Filbert Sts.
 Four-classroom addition to Luther Burbank School.
 Owner—Hayward School District, Jacob Harder, Clerk.
 Architect—E. P. Whitman, 192 Main St., Hayward.

Following is a complete list of bids:
 Lund & Lund, Hayward.....\$10,487.50
 Fred J. Westlund, Oakland.....10,984.00
 M. Russell, Hayward.....10,989.00
 C. D. Vezey & Son, Oakland.....11,064.00
 George Hudson, Hayward.....11,100.00
 The Minton Co., Palo Alto.....11,171.00
 A. F. Hansen, Hayward.....11,445.00
 A. Holyoake, Hayward.....11,459.00
 J. Thorup, Hayward.....12,545.00
 Bids held under advisement.

Plans Being Completed.

SCHOOL Cost, \$35,000
HILLSBOROUGH, San Mateo Co., Cal. One-story frame and stucco school.
 Owner—Hillsborough School District.
 Architect—Willis Polk Co., 277 Pine St., San Francisco.

Bids will be taken in about 2 weeks.

Contract Awarded.

ADDITION Cont. Price, \$25,998
HAYWARD, Alameda Co., Cal. Main and Walpert Streets.

Seven-classroom addition to Bret Harte School.

Owner—Hayward School District, Jacob Harder, Clerk.

Architect—E. P. Whitman, 192 Main St., Hayward.

Contractor—Geo. Hudson, 184 Perry St., Oakland.

Preliminary Plans Being Completed

SCHOOL Cost, \$30,000
CERES, Stanislaus Co., Cal. Laurence Street.
 Brick veneer grammar school with tile roof.

Owner—Ceres Grammar School Dist.

Architect—W. H. Weeks, 111 Sutter St., San Francisco.

Plans Being Figured—Bids Close June 9, 3 P. M.

SCHOOL Cost, \$—
SANTA ROSA, Sonoma Co., Cal. So. Park Section.
 One-story frame and stucco school with tile roof (3 rooms and auditorium).

Owner—City of Santa Rosa School District.
 Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.

Previous bids were rejected, these being: Jackson Lindsey, Santa Rosa, \$14,819; D. Downey, Sebastopol, \$15,310; W. F. Bohn, Santa Rosa, \$15,782; Hall & Percinnett, Santa Rosa, \$15,860; Petaluma Const. Co., Petaluma, \$16,193; E. C. Jackson, San Rafael, \$16,533; W. E. Hansen, Santa Rosa, \$17,500.

Certified check 5% payable to Sara J. Pryor, secretary of the Board of Education. Plans obtainable from architect.

Contract Awarded.

SCHOOL Cost, \$75,000
ALTURAS, Modoc Co., Cal.
 One-story hollow tile grammar school

Owner—Alturas Grammar School Dist.

Architect—Starks & Flanders, Forum Bldg., Sacramento.

Contractor—J. P. Brennan, Redding.

Following is a complete list of bids:

J. P. Brennan, Redding.....\$73,117

Mathews Constr. Co., Sacto.....77,680

Lindgren & Swinerton, Inc., Sacramento.....78,000

Strom & Reid, Alturas.....79,283

K. E. Parker, San Francisco.....80,700

C. J. Hopkinson, Sacto.....81,431

J. M. Evans, Chico.....81,480

Contract Awarded.

ADDITION Cont. Price, \$10,487
HAYWARD, Alameda Co., Cal. B St. bet. Myrtle and Filbert Sts.
 Four-classroom addition to Luther Burbank School.
 Owner—Hayward School District, Jacob Harder, Clerk.
 Architect—E. P. Whitman, 192 Main St., Hayward.
 Contractor—Edward Lund, Hayward.

BANKS, STORES & OFFICES

Structural Steel and Terra Cotta Contracts Awarded.

BANK Cost, \$250,000
KLAMATH FALLS, Ore. Sixth and Main Streets.

Two-story and basement class A bank and (18) offices.

Owner—First National Bank.

Architect—H. H. Winner & Co., 580 Market St., San Francisco.

Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.

Terra Cotta—N. Clark & Son, 116 Natoma St., San Francisco.

Reinforcing steel, masonry, brick, roofing and membrane bids are still under advisement.

Sub-Contracts Awarded.

RESTAURANT Cost, \$25,000
SACRAMENTO, Sacramento Co., Cal. Fair Grounds.

One-story brick restaurant (150x40-ft.; structural steel frame to support tile roof).

Owner—State of California.

Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.

Contractor—Guth & Fox, 1516 27th St., Sacramento.

Lumber—Dolan Bldg. & Material Co., 31st and P Sts., Sacramento.

Glass and Glazing—W. P. Fuller Co., 1013 12th St., Sacramento.

Hardware—Murray & Low, 1007 Jay St., Sacramento.

Excavation—Holdener Const. Co., 26th and R Sts., Sacramento.

Concrete Work—Carl R. Fiedler, 2631 30th St., Sacramento.

Brick Work—Leo Girot, 2015 21st St., Sacramento.

Heating, Plumbing, and Electric Wiring—Latourette—Fical Co., 907 Front St., Sacramento.

Mill Work—Sierra Mill, 201 V Street, Sacramento.

Structural Steel—Alling Iron Works, 2415 5th St., Sacramento.

Reinforcing Steel—Geo. Clark, 1309 Jay St., Sacramento.

Steel Sash—Alling Iron Works, 2415 5th St., Sacramento.

Roofing—Oak Park Roofing Co., 2411 35th St., Sacramento.

Sheet Metal Work—Wm. H. Gibson, 417 29th St., Sacramento.

Painting—R. L. Leamon, 1109 Santa Barbara Way, Sacramento.

As previously reported, electrical work awarded to Latourette—Fical Co., 907 Front St., Sacramento, \$1,132; plumbing and ventilating to Latourette—Fical Co., 907 Front St., Sacramento, \$1,853.

Contract Awarded.

REMODELING Cost, \$15,000
SANTA CRUZ, Santa Cruz Co., Calif. Upper Pacific Ave.

Remodel present frame building for restaurant and soda fountain (20x90-ft.).

Owner—Frank Brownie, 24 Pacific St., Santa Cruz.

Plans by H. Schuller, Santa Cruz.

Contractor—H. Schuller, Santa Cruz.

Kitchen Equipment and Supplies—Mangrum-Holbrook Co., 1235 Mission St., San Francisco.

Soda Fountain—Weber Show Case & Fixture Co., 967 Mission St., San Francisco.

To Be Done By Day's Work.
SALEROOM Cost, \$8000
SAN FRANCISCO. W Valencia St. N 16th.
 Two-story class C salesroom.
 Owner—J. Mancuso, 555 Valencia St.
 Plans by B. K. Dobkowitz, 425 Mont-
 ertery Blvd.

Completing Plans.
OFFICES Cost, \$1,000,000
HOLLYWOOD, Los Angeles Co., Cal.
 NE Vine and Yucca Streets.
 Limit height steel frame and terra
 cotta Class A offices.
 Owner—Hollywood Medical-Dental
 Bldg., Inc.
 Architect—John C. Austin and F. M.
 Ashley, Chamber of Commerce
 Bldg., Los Angeles.

Additional Sub-Contracts Awarded.
BANK Cost, \$50,000
SAN FRANCISCO. Market Street nr.
 Third St.
 One-story and mezzanine floor steel
 frame and concrete bank.
 Owner—Alexander Boyd Est., Spreck-
 les Bldg.
 Architect—Hyman & Appleton, 68 Post
 Street.
 Lessee—Morris Plan Co. of San Fran-
 cisco.
 Contractor—Barrett & Hilp, 918 Har-
 rison Street.
 Tile—Art Tile & Mantel Co., 221 Oak
 Street.
 Mill Work—Fink & Schindler Co., 228
 13th St.
 Painting—D. Zelinsky, 165 Grove St.
 Roofing—Alta Roofing Co., 976 In-
 dian St.

As previously reported, interior bank
 fixtures awarded to Fink & Schind-
 ler, 228 13th St.; heating to Scott Co.,
 243 Minna St.; plumbing to Gilley-
 Schmid Co., 198 Ots St.; electric to
 Frank Klimm, 456 Ellis St.; marble
 to Vermont Marble Co., 244 Brannan
 St.; acoustics to Wayland Co., Ltd.;
 wrecking to S. T. Nutting, 669 Howard
 St.; lumber to Christensen Lumber
 Co., 6th and Hooper Sts.; glass to
 Tyre Bros., 666 Townsend St.; paint-
 ing to D. Zelinsky, 165 Grove St.

Plans Being Completed.
EXCHANGE Cost, \$15,000
CARSON CITY, Nevada.
 One-story frame and stucco telephone
 exchange (25x40-ft.).
 Owner—Pacific T. & T. Co., 140 Nev
 Montgomery St., San Francisco.
 Architect—Eng. Dept. of Owner.
 Bids will be called for shortly.

SAN FRANCISCO—Crowe Glass Co.
 675 Golden Gate Ave., has purchased
 the property on the south line of
 Golden Gate Ave. 137 feet east of
 Polk St. No arrangements have been
 made at this time for improving the
 property. More details will be given
 at a later date.

SAN FRANCISCO—Shell Building
 Corp., Ltd., has purchased additional
 property in Battery St. near Bush St.
 giving that corporation a frontage of
 117 ft. 6 inches in Bush street and
 183 ft. 4 inches in Battery street, ad-
 joining the present Shell Building.
 As the buildings on the sites have
 been leased for a period of years
 nothing definite will be undertaken in
 the matter of improvements.

Plans Being Prepared.
ALTERATIONS Cost, \$6000
FRESNO, Fresno Co., Calif.
 Alterations and additions for offices.
 Owner—City of Fresno.
 Plans by C. C. Van Valkenburg, Jr.,
 City Commissioner of Public Wks.
 Will involve the erection of a one-
 story addition to present automobile
 shelter at rear of city hall to pro-
 vide quarters for drafting office, city
 laboratory and record storeroom.

Plans Being Figured.
ADDITION Cost, \$120,000
HUNTINGTON PARK, Los Angeles
 Co., Cal.
 Four-story steel and reinforced con-
 crete addition to telephone ex-
 change.
 Owner—Southern California Tele-
 phone Company.
 Architect—Eng. Dept. of Owner.

Plans Being Figured.
TELEPHONE EXCHANGE \$200,000
LOS ANGELES, Cal. No. 501 E
 Vernon Avenue.
 Three-story reinforced concrete and
 brick Class A telephone exchange
 (115x136 feet).
 Owner—Southern California Tele-
 phone Co., 740 S. Olive St., L. A.
 Architect—Eng. Dept. of Owner.

Plans Being Figured By Selected List
 of Contractors.
OFFICES Cost, \$500,000
SACRAMENTO, Sacramento Co., Cal.
 NE 8th and J Sts.
 Twelve-story class A steel frame,
 pressed brick and terra cotta of-
 fice building.
 Owner—Group of San Francisco Cap-
 italists.
 Architect—Coffman, Sahlberg & Staf-
 ford, Forum Bldg., Sacramento.

Contract Awarded.
OFFICES Cost, \$—
SAN JOSE, Santa Clara Co., Cal. San
 Fernando St.
 Three-story modern office and store
 building (type of construction not
 decided).

Owner—San Jose Hardware Co., Ar-
 thur and Warren Holmes, Props.
 Architect—Binder & Curtis, 35 W San
 Carlos St., San Jose.
 Contractor—W. J. Ochs, P. O. Box 327,
 San Jose and Fresno.
 Following is a complete list of bids:
 W. J. Ochs, San Jose.....\$55,750
 The Minton Co., Palo Alto.....56,859
 Megna & Newell, San Jose.....57,300
 Swensen Const. Co., San Jose.....58,467
 R. O. Summers, San Jose.....59,500
 J. D. Carlsen, San Jose.....68,697
 Thermotite Const. Co., San Jose.....81,857
 D. J. Byron, San Jose.....81,000

Heating
 J. W. Turner & Son, 533 N 19th
 St., San Jose.....\$4,651
 O'Mara & Stewart, S. F.....4,730
 A. J. Peters, San Jose.....4,811
 H. J. Pascoe, San Jose.....5,012
 Wm. Serpa, San Jose.....5,245
 C. A. Merritt, San Jose.....5,352
 Heating bids are held under advise-
 ment.

Bids To Be Taken Within One Week
STORE Cost, \$150,000
OAKLAND, Alameda Co., Cal. 20th
 St. and Broadway.
 Three-story Class A store.
 Owner—L. Magnin & Co., Grant Ave.
 and Geary St., San Francisco.
 Architect—Weeks & Day, Financial
 Center Bldg., San Francisco.

Contract Awarded.
STORE Cost, \$79,432
SEATTLE, Wash. 4546 California Ave.
 Two-story and basement steel and
 concrete department store (60x115
 feet).
 Owner—S. H. Kress & Co., Los Ange-
 les.
 Plans by Architectural Dept. of Own-
 ers.
 Contractor—West Coast Const. Co.,
 Lloyd Bldg., Seattle.

Plans Being Figured.
OFFICES Cost, \$10,000
BERKELEY, Alameda Co., Cal. 4th
 and Cedar.
 One-story frame and stucco offices.
 Owner—Pacific Paint & Varnish Co.,
 4th and Cedar Sts., Berkeley.
 Architect—Edwin L. Snyder, Fourth
 and Cedar Sts., Berkeley.

Plans Being Figured.
ALTERATIONS Cost, \$30,000
BAKERSFIELD, Kern County, Calif.
 Southern Hotel Bldg.
 Alterations and additions to 4-story
 class C brick bank.
 Owner—Bank of Italy.
 Architect—H. A. Minton, Bank of Italy
 Bldg., Eddy and Powell Sts., San
 Francisco.
 About two weeks will be allowed for
 figuring the plans.

Construction Started.
MARKET Cost, \$50,000
FRESNO, Fresno Co., Cal.—R and
 Ventura Aves.
 Brick and concrete Drive-In Market;
 8 concession building, 25x140 ft.
 and 24x176-ft.
 Owner—George Harm, 648 Normal St.,
 Fresno.
 Plans by Contractors.
 Contractor—Fisher & McNulty, Mattel
 Bldg., Fresno.

THEATRES

Contract Awarded.
THEATRE, ETC. Cost, \$1,250,000
LOS ANGELES, Cal. Wilshire Blvd.
 and Western Avenue.
 Twelve-story structural steel class A
 theatre, stores and offices (300x215
 ft.; seat 2200).
 Owner—Serrano Corporation.
 Architect—Morgan, Walls & Clements,
 1135 Van Nuys Bldg., Los Angeles
 associated (G. Albert Lansburgh,
 140 Montgomery St., San Francisco
 architect on theatre portion).
 Lessee—Warner Bros.
 Contractor—William Simpson Constr.
 Co., 1007 Architects' Bldg., L. A.

Preparing Plans.
THEATRE Cost, \$—
LOS ANGELES, Cal. No. 609-19 S.
 Broadway.
 Two-story Class A reinforced concrete
 theatre with terra cotta facing
 (central tower will be 6 stories)
 Owner—William Fox.
 Architect—S. Tilden Norton and F. H.
 Wallis, Financial Center Bldg.,
 Los Angeles.
 Lessee—H. L. Gumbiner.
 Bids will be taken August 1st.

Contract Awarded.
THEATRE, ETC. Cost, \$1,250,000
LOS ANGELES, Cal. Wilshire Blvd.
 and Western Avenue.
 Twelve-story structural steel Class A
 theatre, stores and offices (300x
 215 ft. (seat 2200).
 Owner—Serrano Corporation.
 Architect—Morgan, Walls & Clements,
 1135 Van Nuys Bldg., Los Angeles
 Associated.
 Lessee—Warner Bros.
 Contractor—William Simpson Constr.
 Co., 1007 Architects' Bldg., L. A.

Completing Plans.
THEATRE, ETC. Cost, \$200,000
PORTERVILLE, Tulare Co., Cal.
 Two-story reinforced concrete Class
 A theatre & shops (to seat 1200).
 Owner—Fox Principal Theatre, Inc.,
 Washington Street and Vermont
 Ave., Los Angeles.

Plans By Owner.
 Bids will be taken from a selected
 list of contractors in about two weeks.
 Will be reinforced concrete con-
 struction with tile and composition
 roofing, ornamental metal, cement, tile
 and carpeted floors, forced system of
 heating and ventilating, plate glass,
 opera chairs, full stage with sound
 picture equipment.

Contract Awarded.

ALTERATIONS. Cost, \$12,000
DALY CITY, San Mateo Co., Calif.
Mission and Flournoy Sts.
Alterations and additions to present
theatre (add balcony, etc.)
Owner—Name Withheld.

Architect—Clausen and Amandes,
Hearst Bldg., San Francisco.
Contractor—Anderson & Ringrose, 320
Market St., San Francisco.

Plans To Be Prepared.

THEATRE. Cost, \$300,000
PHOENIX, Arizona. NE Old City
Hall Plaza.

Two-story reinforced concrete Class
A theatre and stores (150x200 ft.)
(to seat 2000).

Owner—Fox West Coast Theatres,
Inc., Washington St. and Vermont
Ave., Los Angeles.
Architect—Not Selected.

Company also negotiating for second
site and contemplates erection of
theatre upon completion of Plaza
Theatre.

WHARVES AND DOCKS

LONG BEACH, Cal.—The city council
will meet Monday, June 26, to consider
a proposal to place on the June
3 ballot the 35-year franchise application
of the Neptune Pier Co. for extending
and enlarging its existing pier. The
proposed construction involves about
\$1,000,000.

REDONDO BEACH, Calif.—No bids
were received by the city council May
20 for the construction of a gro-
soted pile and wood addition to the
existing municipal pier, approx. 42 ft.
wide by 300 ft. long. The matter of
re-advertising for bids was taken under
advisement by the council.

PORTLAND, Oregon.—Baker Const.
Co., 333 Oak St., Portland, at \$95,500,
using 100-ft. piling, awarded contract
by City Bureau of Public Docks to ex-
cavate and drive pile foundations at
Municipal Terminal No. 4.

**MISCELLANEOUS
CONSTRUCTION**

Plans Being Figured.
PROPERTY BLDG. Cost, \$150,000
LOS ANGELES, Cal. No. 730 N.
Gower Street.

Two-story and basement Class A re-
inforced concrete property build-
ing (121x185 ft.)

Owner—RKO Studios, Premises.
Architect—Eng. Dept. of Owner.

SAN FRANCISCO.—Until June 9, 3
P. M., under Proposal No. 596, bids
will be received by Leonard S. Leavy,
city purchasing agent, 270 City Hall,
to furnish and deliver 5,000 cubic yards
of loam for Park Commission. Specifi-
cations and further information ob-
tainable from above office.

FRESNO, Fresno Co., Cal.—Yo-
semite and Curry Co., Don Tressider,
president, contemplates establishing
a resort in upper Kings river country
upon completion of Kings River can-
yon highway.

EUREKA, Humboldt Co., Cal.—
Fire destroyed buildings in down-
town area on May 23. Damage is
estimated as follows by Fire Chief R.
W. Cameron: Sundquist Shoe Store,
\$20,000; Pettengill-Merryman Real
Estate Office, \$1000; W. P. Fuller Co.
building, \$7000, stock \$30,000; Kandy
Kitchen, \$7000; Gunderson's Bootery,
\$1500; Atkinson & Wood Drug Store,
\$200; Gross Building roof, \$300; State

Theatre, \$50; Swesey Building, \$3000;
Daly Bros. Building, \$50; P. G. & E.
Co., \$390; Telephone Co., \$200.

Contract Awarded.

BEACONS, ETC. Cost, \$461
SAN FRANCISCO.

Installation of beacons and construc-
tion of safety zone stations.

Owner—City & County of San Fran-
cisco.

Architect—Bureau of Engineering, De-
partment of Public Works, Third
Floor, City Hall.

Contractor—M. Flatland, 1839 Mis-
sion St., San Francisco.

Construction involves the installa-
tion of three beacons, complete on
existing concrete and stone safety
zones and for the construction of one
safety zone and installation of one
beacon.

LODI, San Joaquin Co., Cal.—Until
June 16, 5 P. M., bids will be received
by J. F. Blakely, city clerk, to con-
struct comfort station in Lawrence
Park. Specifications obtainable from
city clerk on deposit of \$5 returnable.
Bond of \$1000 required of successful
bidder.

EUREKA, Humboldt Co., Cal.—
Winter Bros., Eureka, at \$1170 award-
ed contract by city council to paint
three water tanks at Harris and E
streets. Other bids: Parsons &
Adams, Eureka, \$776 (declared ir-
regular); Nelson Bros., Eureka, \$1530

Plans Being Figured—Bids Close June
4, 2:30 P. M.

SAFETY ISLANDS. Cost, \$3,150
SAN FRANCISCO. Bayshore Blvd. at
Silver and Paul Aves.

Owner—City and County of San Fran-
cisco.

Plans by Bureau of Engineering, De-
partment of Public Works, Third
Floor, City Hall.

Project involves the construction of
4 safety islands and installation of 4
beacons. Plans obtainable from Bu-
reau of Engineering, 3rd floor, City
Hall, on deposit of \$10, returnable.

Option Taken On Site.

DEPOT. Cost, \$—
REDWOOD CITY, San Mateo Co., Cal.
Freight and passenger depot.

Owner—Western Pacific Railroad Co.,
Mills Bldg., San Francisco.

Architect—Eng. Dept. of Owners, Mills
Bldg., San Francisco.

The railroad company has taken an
option on an 18-acre site from the
Tacoma Mill Company. Construction
depended upon the railroad securing
permission of the Interstate Com-
merce Commission to construct its
lines from Niles, Alameda County, to
San Francisco, via Redwood City.

TULARE, Tulare Co., Cal.—Al At-
kin, recently of New York, has pur-
chased ten lots in the newly opened
Elliott Tract and will construct a pub-
lic swimming pool, 49 by 125 ft. Plans
for the pool are being completed.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and ad-
dresses of the individuals or firms
concerned in these opportunities will
be furnished on request to the Busi-
ness Opportunity Department of Daily
Pacific Builder, 545-547 Mission Street,
Phone Garfield 8744.

**20113—Furniture, Chinaware, Pot-
tery.** Gouda, Holland. Party wishes
to communicate with importers of
furniture, pottery and China, also de-
partment stores and gift shops.

20118—Iron and Steel. San Fran-
cisco, Calif. A Holland exporter of
iron and steel products wishes to
communicate with shipbuilders and
steel concerns.

D-3468—Projecting Machine. Ra-
cine, Wis. Concern manufacturing
projecting machine wishes to contact
reliable artist's supply concerns to
handle their commodity.

D-3469—Agents. Los Angeles, Calif.
Firm anxious to establish agency
here for the distribution of rotary en-
gines and pumps. Jobbers of pump-
ing machinery preferred.

D-3470—Manufacturer. Saint Paul,
Minn. Party anxious to contact well
established concern for the manu-
facture and sale of a new patented
device.

D-3471—Representative. San Fran-
cisco, Calif. Party would like to re-
present any concern who wishes to
develop sales on the coast, and to
whom a thorough knowledge of busi-
ness and physical conditions would
be of value along the line of mechan-
ical and product.

D-3472—Sales Representation. New
York City. Well established manu-
facturers' agent is desirous of mak-
ing connections with concerns in-
terested in representation both in this
country and South America.

D-3473—Irrigation Device. Sacra-
mento, Calif. Party anxious to se-
cure a manufacturer to purchase the
exclusive sales and manufacturing
rights on a new surface irrigation de-
vice. Full details on file.

D-3474—Lumber Tract. Indianap-
olis, Indiana. Party in the market
for timber tract. Shipping facilities
must be first class and timber on
land must be of high quality. Strictly
cash transaction.

31

**GREGG TO STUDY LANDSCAPE
WORK OF UNIVERSITIES**

John W. Gregg, professor of land-
scape design in the University of Cal-
ifornia College of Agriculture, and head
of the Division of Landscape Design,
will leave in a few days to spend the
summer visiting colleges and univer-
sities in the East and Middle West.
Professor Gregg will study the meth-
ods of research and instruction and
the equipment used in landscape ar-
chitecture in other institutions.

With the completion of Giannini
Hall, Agricultural Extension offices
will be moved from the first floor of
Agriculture Hall to the new building.
The division of Landscape Design will
move from its present crowded quar-
ters on the third floor to the space
thus vacated. With this change of lo-
cation, Professor Gregg hopes to ex-
tend his work in the University and
add new courses.

While in the East he will look for a
new man for the division, to assist in
the new program. Prof. H. W. Shep-
ard, who has been on leave of ab-
sence during the current year, will re-
turn to resume his work in the di-
vision, July 1.

ENGINEER WINS SUIT

James S. James, former city engi-
neer of Burlingame, won his suit
against the city to collect \$311.69 for 60
surveyor's monuments erected in North
Burlingame. The decision was handed
down by Judge George H. Buck at
Redwood City.

The city council of Burlingame dis-
allowed the bill of the former city en-
gineer on the ground that the min-
utes of the council did not show of-
ficial authority for the work.

Engineering News Section

BRIDGES

SAN LUIS OBISPO, San Luis Obispo Co., Calif.—City council declares intention (319) to improve Ida St. near Marsh St. involving construction of a reinforced cement concrete bridge with wing walls; reinforced concrete retaining wall. Imp. Act 1911. Bond Act 1915. Hearing June 9. C. M. John, city clerk. L. Moore, city engineer.

UKIAH, Mendocino Co., Calif.—Until June 10, 3 P. M., bids will be received by H. M. Burke, county clerk, to construct 100 ft. steel bridge over Calpella Creek near Calpella. Bids are wanted on two propositions:

- (a) Furnish labor and materials for construction of bridge complete;
 - (b) Furnish complete 100-ft. steel span, f. o. b. Calpella.
- Certified check 10% required with bid. Plans on file in office of clerk.

TEHAMA & SHASTA COUNTIES, Cal.—Until June 18, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to construct undergrade crossing between one mile south of Cottonwood and Cottonwood, consisting of two reinforced concrete abutments and a ballasted subfloor and about 0.9 mile roadway to be graded and paved with cement concrete.

See call for bids under official proposal section in this issue.

STANISLAUS COUNTY, Cal.—Until June 10, 11 A. M., bids will be received by C. C. Eastin, county clerk, to replace West Pier of Laird Slough Bridge; also remove present pier. Certified check 10% required with bid. Plans obtainable from J. H. Hoskins, county surveyor.

SAN DIEGO, Cal.—R. R. Rowe of San Diego, has been authorized by the city council as special engineer to prepare plans for a bridge and fill to extend from First St. to Mission Hills. The estimated cost is \$155,000.

PLACER COUNTY, Cal.—Until June 18, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to construct undergrade crossing under the tracks of S. P. Ry. near Emigrant Gap, consisting of two concrete abutments with wing walls and grading and surfacing roadway between abutments with crusher run base and untreated crushed gravel or stone surfacing.

See call for bids under official proposal section in this issue.

LOS ANGELES, Cal.—Until June 25, 10 A. M., bids will be received by Board of Public Works to construct Washington Street Bridge over Los Angeles river, between So. and Harriet St. Estimated cost \$250,000. Will be 310 ft. in length consisting of five reinf. conc. girder spans, each 62 ft. center to center; roadway 56 ft. wide with 25 ft. walks. Involves approx. 330,254 lbs. reinf. steel; 8975 cu. yds. Class F concrete; 11,136 lin. ft. conc. piling 15 ft. long. Plans obtainable from above.

REDDING, Shasta Co., Cal.—R. N. McKenzie, Gerber, at \$1593 awarded contract by county supervisor to construct bridge over a branch of

Oregon Gulch on east side of the railroad in the vicinity of the county hospital. Other bids: J. P. Brennan, Redding, \$1772; Rolla Arbuckle, Anderson, \$1963.

SAN JOAQUIN COUNTY, Calif.—J. S. Metzger & Son, Eden Square Apts., Stockton, at \$84,379 awarded contract by State Highway Commission to construct bridge over the Mokelumne river near Lodi, consisting of three 54-ft. reinforced concrete girder spans on concrete piers with pile foundations, and thirty 19-ft. timber approach spans with concrete deck on pile bents.

EUREKA, Humboldt Co., Cal.—County Supervisors reject bids to construct proposed bridge at Redway. Complete list of bids received previously reported. Construction has been temporarily postponed until authorization is secured by the county supervisors to remove certain trees in the vicinity of the proposed project.

EUREKA, Humboldt Co., Cal.—Until June 16, bids will be received by Fred M. Kay, county clerk, to construct culvert on Cooks' Gulch near Petrolia in the Upper Mattole area. Plans on file in office of clerk and obtainable from County Surveyor Kelly.

EUREKA, Humboldt Co., Cal.—Until June 16, bids will be received by Fred M. Kay, county clerk, to construct a steel truss bridge over Trinity River at Hoopa. Estimated cost, \$50,000. The Federal Government will pay one-half the cost of construction. Plans obtainable from County Surveyor Kelly and on file in office of the clerk.

VALLEJO, Solano Co., Cal.—Pacific Const. Co., 2235 E 7th St., Oakland, at \$15,475 submitted low bid to city council to construct Sacramento street overhead crossing over tracks of the San Francisco, Napa and Calistoga Railway. Complete list of bids follows:

Pacific Const. Co.	\$14,475
S. J. Weeks, Vallejo	15,600
H. Thorsen, Napa	15,750
W. L. Proctor, Santa Rosa	16,623
L. Tagnon, Vallejo	17,353
C. S. Koller	19,360

Bids referred to City Engineer T. D. Kilkenny to confer with San Francisco, Napa and Calistoga R. R., with regard to awarding contract. The project will be financed by the railroad.

DREDGING, HARBOR WORKS & EXCAVATIONS

SANTA PAULA, Calif.—Until 3 P. M., June 12, bids will be received by the Security-First National Bank of Los Angeles, escrow agent, at its Santa Paula branch, 601 Main Street, Santa Paula, Calif., or at room 213 Security Bldg., Los Angeles, in the trust dept. of the Security-First National Bank, 5th and Spring Sts., Los Angeles, for protection work on what is known as the Santa Clara river project. The work is being done for certain property owners owning property along and adjacent to the Santa Clara river, who have heretofore filed claims against the city of Los Angeles for damages alleged to have been occa-

sioned to such property by the destruction of the St. Francis dam. The proposed construction program involves the construction of embankments, drainage channels and other work along the Santa Clara river as a flood control measure. The estimated cost of the work is between \$350,000 and \$400,000, which will be paid for out of special funds provided by the city council. According to H. L. Jacques, the engineer, the proposed work will involve the following:

70,000 lin. ft. of earth, sand and gravel levee, comprising about 5 cu. yds. to the lin. ft.

7500 lin. ft. of double row type A creosoted timber piling of 8-lb. empty cell treatment with 15,000 lin. ft. of electric welded wire mesh No. 6 galv. wire fencing 8 ft. wide by 6 in. by 6 in. fencing.

2300 lin. ft. rail type tetrahedron jetties using old 60-lb. rails, each row of tetrahedrons to have 5½-in. to 1-in. second hand wire rope ties.

38,000 lin. ft. double row pipe piling, using 4-in. and 6-in. pipe up to 24-ft. lengths, with 76,000 lin. ft. of the 8-ft. 6-in. x 6-in. wire fencing described above.

The law firm of Stephens & Green, Rowan Bldg., Los Angeles, is handling the legal matters in connection with this project. Plans may be seen and obtained at room 768, 207 S Broadway, Los Angeles. A charge of \$10 per set of plans will be made. Certified check for \$15,000, payable to the Security-First National Bank of Los Angeles, Santa Paula branch, escrow agent, must accompany each bid.

STOCKTON, San Joaquin Co., Cal.—Bids will be asked shortly by U. S. Engineer Office, Customhouse, San Francisco, to construct levees in the vicinity of Stockton in connection with the Stockton Deep Water project, a \$6,000,000 development.

FRESNO, Fresno Co., Cal.—Members of City Park Commission vote to construct a 5-acre lake in Roeding Park of sufficient depth to permit boating. Estimates of cost are being prepared.

STREET LIGHTING SYSTEMS

LIVERMORE, Alameda Co., Cal.—City trustees contemplate installation of ornamental street lighting system in First street. Various types of standards are being considered.

SAN FRANCISCO.—Until June 16, 11 A. M., bids will be received by Consulting Quartermaster, Fort Mason, for installation of night lighting system at Crissy Field, Presidio. Specifications obtainable from above on deposit of \$20.00.

ROSEVILLE, Placer Co., Cal.—Until June 4, 8 P. M., bids will be received by F. R. Chilton, city clerk, to furnish and deliver one carload of poles for Municipal Electric Light Department. Specifications on file in office of clerk.

PORTERVILLE, Tulare Co., Cal.—City council plans to install ornamental street lighting system. City Manager Fred Pease, after inspecting standards in various cities in North-

ern and Central California, recommends the installation of metal type standards.

FRESNO. Fresno Co., Cal.—Until June 5, 10:30 A. M., bids will be received by H. S. Foster, city clerk, (102-D) to install lighting system in Fresno St., bet. O and Divisadero Sts.; Howard St., bet. Fresno and Divisadero Sts.; portions of Divisadero and Fresno Sts. involving installation of 76 electroliters together with underground system. Standards of combination steel and cast iron, single lamp, 1911 Act. Certified check 10% payable to city required with bid. Plans obtainable from C. C. Van Valkenburgh Jr., city engineer.

MACHINERY AND EQUIPMENT

SACRAMENTO. Cal.—Until June 5, 3 P. M., under Order No. 2019-1648, bids will be received by U. S. Engineer Office, California Fruit Bldg., for one pipe threading machine, belt driven, capacity 1-inch to 4-inch, complete with full set of dies, similar and equal to machine manufactured by the National Pipe Threading Machine Company also one complete set of attachments and dies for above machine for threading ½-inch and ¾-inch pipe. Further information obtainable from above.

ALAMEDA. Alameda Co., Cal.—Fageol Co. submitted low bid to Municipal Board of Public Utilities to furnish and deliver two new busses for transportation in South Alameda and west of Webster street. Taken under advisement.

MERCED. Merced Co., Cal.—Until June 5, 8 P. M., bids will be received by N. S. Peck, clerk, Merced Union High School District for one 48-passenger school bus to be built on Dodge Bros. two-ton chassis lengthened to approx. 220-in. wheel base. Tire equipment to be 34x7.50 truck balloon with dual equipment on Budd disc rear wheels. One 42-passenger school bus to be built on Dodge Bros. two-ton chassis lengthened to approx. 212-in. wheel base. Tire equipment to be 34x 7.50 truck balloon with dual equipment on Budd disc rear wheels. Certified check 10% required. Specifications on file in office of Principal at High School.

SAUSALITO. Marin Co., Cal.—Until June 9, 12 noon, bids will be received by M. F. Seymour, secretary, Tamalpais Union High School District, to furnish and install one Hendy lath, 16 in. by 8 ft. or equal and other supplies. Specifications on file with Mr. Wenderling, superintendent of construction.

EUREKA. Humboldt Co., Cal.—Until June 5, 7:30 P. M., bids will be received by Geo. E. Abbe, city superintendent of schools, Eureka Junior High School, to furnish one Pierce-Arrow School Bus, Model 1925 with model Z motor, equipped with Westinghouse air brakes, 220-in. wheel base and 42-passenger bus body. Certified check or bidder's bond of 5% payable to Eureka High School District. Further information obtainable from above office.

TAFT. Kern Co., Cal.—Until June 16 7 P. M., bids will be received by C. A. Page, city clerk, to furnish and deliver one Caterpillar ten motor patrol or equal. Standard equipment, 10-ft. blade with scarifier, equipped with 8-in. flat track shoes and canopy top.

WASHINGTON. D. C.—See "Government Work and Supplies," in this issue. Bids wanted for miscellaneous supplies for various navy yards including a gasoline operated crane, lathe, machine tools, etc.

MODESTO. Stanislaus Co., Calif.—City council appropriates \$300 for the purchase of a motorcycle, \$3,300 for purchase of two automobiles and \$1,200 for the purchase of a pick-up truck. H. E. Gragg is city clerk. F. W. McCarton, city engineer.

FIRE ALARM SYSTEMS

SAN MATEO. San Mateo Co., Calif.—Until June 2, 8 P. M., bids will be received by E. W. Foster, city clerk, to construct traffic signals at the intersection of El Cerrito and Tilton Aves. and El Camino Real. Specifications obtainable from city clerk. Certified check 10% required with bid. E. P. Wilsey, city engineer.

FIRE EQUIPMENT

MARYSVILLE. Yuba Co., Cal.—Until June 2, 7:30 P. M., bids will be received by Chester O. Gates, city clerk, to furnish and deliver a 750-gal. pumper and hose body fire engine for Fire Department. Certified check 10% required with bid. Specifications on file in office of clerk.

MISCELLANEOUS SUPPLIES AND MATERIALS

MODESTO. Stanislaus Co., Calif.—Until June 11, 11 A. M., bids will be received by C. S. Abbott, secretary, Modesto Irrigation District, to furnish copper wire. Certified check 5% payable to district required. Specifications obtainable from above. C. S. Abbott, secretary.

RESERVOIRS AND DAMS

PLACERVILLE. El Dorado Co., Cal.—Until June 12, 11 A. M., bids will be received by R. W. Browne, secretary, El Dorado Irrigation District, 685 Main St., to construct Webber Creek Dam diversion tunnel, wasteway, appurtenances and certain concrete work in connection therewith. Bonds of \$350,000 have been voted to finance the work. Bids for the bonds are also scheduled to be opened on June 12. In the event that the district does not receive a satisfactory offer for the bonds, the directors of the district will consider proposals for the acceptance of the bonds in payment for construction covered in the bid. Certified check or bidder's bond of 10% payable to treasurer of the district required with bid. Plans obtainable from secretary at above address on deposit of \$25. returnable.

PIPE LINES, WELLS, ETC.

EUREKA. Humboldt Co., Cal.—John Griffith, city superintendent of public works, will ask bids at once to drill well near site of three wells, now in use at Hawthorne Street and Broadway.

SEWERS AND SEWAGE DISPOSAL PLANTS

SAN FRANCISCO.—Until June 6, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, to furnish and install water softener plant at the Letterman General Hospital, San Francisco Presidio. Specifications obtainable from above.

SANTA CRUZ. Santa Cruz Co., Cal.—Until June 2, 2:45 P. M. (to be opened 3:15 P. M.) for repair and anchorage

of existing outfall sewer in the Pacific Ocean. Bidders will include in their proposals the repair of the break in the east pipe line and shall construct concrete foundation anchor blocks in the east and west outfall pipe lines. Payments will be made in lump sum as follows:

1. First payment, 25% of the bid, payable on or before Jan. 1, 1931.
 2. Second payment, 25% of the bid, payable on or before Jan. 1, 1932.
 3. Third payment, 25% of the bid, payable on or before Jan. 1, 1933.
 4. Final payment, 25% of the bid, payable on or before Jan. 1, 1934.
- Certified check or bidder's bond 10% payable to city required with bid. Plans obtainable from Roy Fowler, city engineer, on charge of \$5, not returnable.

SAN FRANCISCO.—MacDonald & Kahn, Financial Center Bldg., at \$93,002 awarded contract by Board of Public Works to construct Section D of the Fillmore St. sewer, involving: 2698 lin. ft. 6 ft., 6 in. circular reinf. conc. sewer; 515 lin. ft. 6 ft. circular reinf. conc. sewer; 115 lin. ft. 3 ft. by 4 ft. 6 in. reinf. conc. sewer; 111 lin. ft. 2 ft. 6 in. by 3 ft. 9 in. reinf. conc. sewer; 10 lin. ft. 3 ft. by 5 ft. brick sewer; 25 lin. ft. 21-in. and 35 lin. ft. 15-in. V.C.P. sewer; 90 lin. ft. 10-in. V.C.P. culvert connection; 15 manholes on reinf. conc. sewer; 2 manholes on existing V.C.P. sewers; 3 manholes on existing brick sewers; 1 alternate connection of reinf. conc. alterations of auxiliary water supply pipe (in lump sum bid) involving: 215 lin. ft. 12-in. V.C.P. underdrain, 430 ft. 10-in. do, 850 ft. 8-in. do, and 1710 ft. 6-in. do, all covered with concrete or imbedded in broken rock.

UKIAH. Mendocino Co., Calif.—Until June 4, 7:30 P. M., bids will be received by F. C. Handy, city clerk, to construct sewers in Cypress Ave. and Clay St., involving 5,500 ft. of sewer in all. Certified check or "its equivalent" payable to city council for 10% required with bid. Plans on file in office of clerk.

MARTINEZ. Contra Costa Co., Cal.—County Supervisors declare intention (1) for sewers in Acy and Imp. Dist. No. 5, in portions of Monterey St., Carl Ave., etc., involving 30-inch and 36-inch vitrified sewer pipe; 4-in. and 36-in. reinforced concrete sewers with stand. vit. clay lining blocks; brick and cem. conc. manholes. Acq. and Imp. Act 1925. Hearing June 16. J. H. Wells, county clerk. Ross L. Calfee, engineer, 322 Arlington St., Berkeley.

WATER WORKS

SUNNYVALE. Santa Clara Co., Cal.—Until June 2, 8 P. M., bids will be received by I. Trubschenck, city clerk, to install pump at municipal water plant, having capacity of 250-gals. of water per minute with 200-ft. lift. Bidder to furnish specifications. Certified check of 10% payable to city required with bid.

WHITTIER. Los Angeles Co., Cal.—City council adopts ordinance providing for the issuance of bonds in the sum of \$310,000 issued for the extension and improvement of the water works system. Debbie E. Allen is the city clerk.

YUBA CITY. Sutter Co., Cal.—Until June 6, 10 A. M., bids will be received by Beatrice Johnson, city clerk, to furnish and install a vertical deep well turbine pump together with electric motor, according to specifications of Edward von Geldern, engineer, 2nd and C Sts., Yuba City.

Certified check 10% required with bid. Specifications obtainable from clerk.

BIGGS, Butte Co., Cal.—Pittsburg-De Moines Steel Co., at \$4800 awarded contract by city trustees to furnish and install tank and tower in connection with water system; tank with capacity of 40,000 gals. on 75 ft. tower.

MONTEREY, Monterey Co., Calif.—Until June 2, under Circular No. 9, bids will be received by Quartermaster Presidio of Monterey, to furnish and install 2 horizontal centrifugal pumps, etc., in Building No. 21. Specifications obtainable from above office.

PLAYGROUNDS & PARKS

SAN FRANCISCO.—Until June 9, 3 P. M., under Proposal No. 596, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 5,000 cubic yards of loam for Park Commission. Specifications and further information obtainable from above office.

SAN FRANCISCO.—Until June 9, 3 P. M., under Proposal No. 598, bids will be received by Leonard S. Leavy, city purchasing agent, to furnish 20,000 cubic yards of cow manure for Park Commission; delivered to Sharp Park. Specifications and further information obtainable from above office.

STREETS AND HIGHWAYS

HUMBOLDT COUNTY, Cal.—J. P. Holland, 1834 McKinnon Avenue, San Francisco, at \$51,480 awarded contract by State Highway Commission to improve 5.2 miles between Loleta and 2 miles north of Beatrice, 2.6 miles to be graded and 5.2 miles surface with river run gravel.

SAN RAFAEL, Marin Co., Cal.—City council declares intention (506) to improve Taylor St., bet. B and D Sts., portions of First and C Sts., etc., involving grading; hydraulic concrete pavement; hyd. conc. curbs and gutters; 4-inch ironstone pipe side sewers; 6-in. and 8-in. ironstone pipe sewers; hyd. conc. manholes, sidewalks; hyd. conc. and corr. iron arch culverts, catchbasins, etc. 1911 Act. Bond Act 1915. Hearing June 10. Eugene W. Smith, city clerk. Herbert K. Brainerd, city manager.

SANTA CRUZ, Santa Cruz Co., Cal.—Granite Const. Co., Watsonville, at \$16,995.22 awarded contract by city council (458-C) to improve portions of Windsor St., South Branciforte Ave. and Pine St., involving cement conc. pavement, curbs, sidewalks, driveway approaches, catchbasins; vit. city pipe sewer laterals; wrought iron water pipe services.

EL DORADO COUNTY, Cal.—Until June 17, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, to surface 4.20 miles of Section B, Strawberry-Phillips, of Route No. 32, Placerville-Lake Tahoe National Forest Highway, involving:

4,000 cu. yds. unclass. excavation for borrow;
4.20 miles fine grading subgrade and shoulders;
13,300 cu. yds. crushed rock surf.;
800 cu. yds. crushed rock (supplemental);
700 M. gals. watering;
provide and maintain water plant;
maintenance of existing road and sections accepted for traffic (extra work, estimated cost \$1,000);
1,060 cu. yds. coarse screenings;
560 cu. yds. fine screenings;
60 right of way monuments (in place).

Plans obtainable from engineer on deposit of \$10, returnable, checks for same to be made payable to Federal Reserve Bank of San Francisco.

SANGER, Fresno Co., Calif.—Until June 9, 8 P. M., bids will be received by M. W. Bacon, clerk, Sanger Union High School District, to construct 406 lin. ft. concrete curb and 3,941 sq. ft. concrete sidewalks at school grounds. Specifications and further information obtainable from clerk.

SEQUOIA NATIONAL PARK, Cal.

—Monarch-Breen, Inc., San Diego, at \$139,839.60 submitted to bid to U. S. Bureau of Public Roads, San Francisco, to grade 2.7 miles of Section D-2, Route No. 1, Generals' Highway in Sequoia National Park, involving:

19.9 acres clearing;
95,133 cu. yds. unclass. excavation;
19,475 cu. yds. Type B excavation;
694 cu. yds. unclass. excavation for structures;
20,917 sta. yds. overhaul;
2.70 miles finishing;
415 cu. yds. cem. rubble masonry;
1456 lin. ft. corr. metal pipe (in place);
4500 cu. yds. mile hauling backfill material.

Contract has been recommended awarded to the low bidder. Complete list of bids follows:
Monarch-Breen, Inc. \$139,839.60
W. A. Bechtel Co., S. F. 177,703
Isbell Constr. Co., Fresno 187,386
Engineer's estimate 173,386

SAN MATEO, San Mateo Co., Cal.—City Council declares intention (30-5) to improve Glendale Rd. from Hillsborough town limits to present pavement at intersection of Poplar Ave., portions of Edgewood Rd. and Fulton Rd., involving grading; combined conc. curbs and gutters; 4-inch

asph. conc. base pavement with 2-inch concrete surface; 6-inch vit. clay pipe san. sewers; 4-in. vit. clay pipe lateral sewers; 12-inch conc. pipe storm water sewers and 2 circular concrete pipe catchbasins. 1911 Act. Bond Act 1915. Hearing June 16. E. W. Foster, city clerk. E. P. Wilsey, city engineer.

WHITE PINE COUNTY, Nevada.—Wheelwright Const. Co., Ogden, Utah, at \$92,659.52 awarded contract by State Highway Commission to construct highway bet. Robinson Summit and Keystone and Magnuson's and North County Line, 47.01 miles, involving grading; structures and gravel surfacing. Engineer's est., \$93,655.

CHURCHILL COUNTY, Nevada.—A. D. Drumm Jr., Fallon, Nevada, at \$11,955.50 awarded contract by State Highway Commission to grade; construct structures and place surfacing material on 4.10 miles between 13.6 miles south of Fallon and 17.6 miles south of Fallon. Dodge Bros. next low at \$12,033; engineer's est., \$14,210.

CHURCHILL COUNTY, Nevada.—A. D. Drumm Jr., Fallon, Nevada, at \$22,088.32 awarded contract by State Highway Commission, to furnish asphaltic fuel oil, apply and mix with crushed rock or gravel surface on 11.70 miles between Salt Wells and Sand Springs. Other bids: Dodge Bros., \$23,813; J. Casson, Hayward, Calif., \$28,556; engineer's estimate, \$25,605.

SAN MATEO, San Mateo Co., Cal.—Until June 2, 8 P. M., (previously reported June 6), bids will be received by E. W. Foster, city clerk, (30-4) to improve portions of 17th Ave., 19th Ave., 20th Ave., etc., involving grading; hyd. cem. conc. pave.; hyd. cem. conc. curbs; cem. conc. walks; circular conc. pipe storm water catchbasins; hyd. cem. conc. pipe storm water sewers; reinf. conc. box culvert; sanitary sewers of vit. and c. i. pipe.

1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. E. P. Wilsey, city engineer.

SANTA CRUZ COUNTY, Cal.—Until June 18, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to grade and surface about 2.6 miles bet. Waterman Switch-back and Saratoga Gap with bituminous treated water-bound macadam.

See call for bids under official proposal section in this issue.

SAN RAFAEL, Marin Co., Calif.—S. R. Harliss, San Rafael, at \$15,885.12 awarded contract by city council (493) to improve G and I Sts., and one unnamed street, involving:

1,312 cu. yds. excavation;
31,774 cu. ft. 5-in. asph. conc. pave.;
6,034 sq. ft. 4-in. do;
22,080 sq. ft. 3-in. do;
40 tons 2-in. do;
17 tons conform do;
59,883 sq. ft. 4-in. stone sub-base;
3,222 lin. ft. conc. gutter;
45 lin. ft. 3x8-in. r.w. header;
96 lin. ft. 4-in. I. S. P. sewers;
4 catchbasins;
48 lin. ft. 10-in. corr. iron pipe;
30 cu. yds. concrete (shallow sewer protection);
4x30-in. corr. arch and conc. culvert (38 lin. ft. complete;
50 lin. ft. using existing metal)

Complete list of bids follows:
S. R. Harliss \$15,885
F. J. Main, Fairfax 16,708
Pacific States Const. Co., S. F. 18,607
A. G. Ralsch, San Francisco 18,833

NO NOT RISK AN EXPERIMENT

SPECIFY -- USE

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Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT AND SAND FLOAT FINISH

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REDDING, Shasta Co., Cal.—Survey of the proposed Weed-Klamath Falls road made by the U. S. Bureau of Public Roads was adopted by the directors of the Joint Highway district, meeting in Redding last Tuesday.

The survey adopted is a modification of two proposed routes: Route one from Weed to Dorris and route two from Dorris to the Klamath Falls highway. The Dorris to Klamath Falls section of route two was adopted because the state highway commission suggested that the grades be reduced from six to five per cent and that the curves be lengthened.

The road extends over 55 miles, 15 miles in the national forest, beginning at Weed to a point on the state line north of Dorris and connecting with the Oregon road from Klamath Falls.

The road is almost in a straight line at an elevation of 4000 feet for almost 40 miles but at the divided it will average 5000 feet in elevation.

The directors in attendance at the meeting were J. B. Rohrer of Montague, Siskiyou County supervisor and president of the board; Jesse Wolcott of Corning, supervisor in Tehama County, treasurer of the board, and A. H. Gronowoldt of Shasta County, secretary of the board.

The directors met in the offices of Baker & Ross, of Redding, attorneys for the district.

HAYWARD, Alameda Co., Cal.—Jack Casson, Hayward, at \$11,325 awarded contract by city council to improve portions of Peralta, Grace, Soto and Simon Sts., involving:

- (a) 4175 sq. ft. conc. sidewalks;
- (b) 250 lin. ft. vit. clay side sewer, 4-in.;
- (c) 100 lin. ft. redwood header-board;
- (d) 78,000 sq. ft. 6-in. full penetration emulsified asphalt macadam paving;
- (e) 11,700 sq. ft. 5-inch full penetration emulsified asphalt macadam paving including grading.

HAYWARD, Alameda Co., Cal.—City Engineer Jesse B. Holly preparing plans to improve Smalley Ave. from Western Blvd. to Meekland Ave.; Laurel Ave. from Western Blvd. to Belmar St.; Belmar St. from A St. to Laurel Ave., and Princeton St. from A to Laurel Ave., involving grading; curbs; walks; gutters; paving.

SAN JOSE, Santa Clara Co., Calif.—Until June 2, 8 P. M., bids will be received by John J. Lynch, city clerk, (4725) to imp. Vedome Ave. bet. Lenzen Ave. and Hobson St., involving grade; 1½-in. asph. conc. surface on 2½-in. asph. conc. base pave; 4-in. vit. pipe sewer laterals; cem. conc. walks, conc. curb, gutter. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Specifications obtainable from William Popp, city engineer.

WILLOW GLEN, Santa Clara Co., Cal.—Until June 9, 7:30 P. M., bids will be received by D. Thomas, city clerk (45) to improve portions of Bird Ave. involving grading; 1½-in. Durite asph. conc. surf. pave. on 3-in. asph. conc. base; cem. conc. walks, curbs, gutters; corr. galv. iron culverts; cem. conc. pipe culverts. 1911 Act. Bond Act 1915. Certified check 10% req. with bid. Specifications obtainable from city clerk.

PALO ALTO, Santa Clara Co., Cal.—N. M. Ball, Porterville, at \$1,188.95 awarded contract by city council for paving and curbing NW half of Kingsley Ave. opposite Block 1, South Palo Alto, involving: 5700 sq. ft. grading; 5400 sq. ft. 6-inch concrete paving; 293 lin. ft. concrete curbing.

SAN RAFAEL, Marin Co., Calif.—Until June 10, 8 P. M., new bids will be received by Eugene W. Smith, city clerk, (496) to improve Sixth St. bet. Cottage Ave. and E St., etc., involving: 13,552 sq. ft. 4-in. stone sub-base; 13,552 sq. ft. 4-in. asph. conc. pave.; 1,212 lin. ft. 3½-in. r.w. header board; 52 lin. ft. conc. curb and gutter; 2 catchbasins. 1911 Act. Bond Act 1915. Bids received May 22 were rejected. Bids were: S. J. Harless, San Rafael, \$4,293.33; F. J. Main, \$4,142.49. Herbert K. Brainerd, city manager.

SAN MATEO COUNTY, Cal.—A. J. and J. L. Fairbanks, South San Francisco, at \$108,967 awarded contract by Joint Highway District No. 9, Room 235, City Hall, San Francisco, to grade and construct concrete structures in San Mateo County on the San Pedro Mountain Unit, between Rockaway Beach and Farallone City, Section A, approximately 2.78 miles in length and Section B approximately 1.86 miles in length.

SAN DIEGO COUNTY, Cal.—Dimmitt & Taylor, Los Angeles, at \$41,751.86 submitted low bid to District Engineer, U. S. Bureau of Public Works, to grade 6.76 miles of Section A, Route 73, Laguna National Forest Highway in Cleveland National Forest. Complete list of bids follows:

Dimmitt & Taylor, Los Angeles.....	\$41,751
Bert Calvert, Los Angeles.....	47,690
Gist and Bell, Arcadia.....	48,674
Watson & Sutton, San Diego.....	49,806
Yglesias Bros., San Diego.....	51,703
C. G. Willis & Sons, L. A.....	53,035
Basich Bros., Los Angeles.....	53,542
Isbell Const. Co., Fresno.....	54,893
R. E. Hayward Const. Co., San Diego.....	55,772
Monarch & Brien, Inc., San Diego.....	59,721
A. R. and C. D. Bodenhamer, Carpinteria.....	63,167
Engineer's estimate.....	56,437

SAN FRANCISCO.—Until June 4, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve:

Intersections of Lakeview Ave. with Lee Ave. and Summit Ave., involving grading; armored conc. curbs; 8-in. vit. clay pipe sewers; 1 br. manhole; 1-course conc. sidewalks; 6-in. class F conc. base pave. with 2-in. asphalt concrete surface; est. cost, \$12,000. Crossing of Ralston and Shields Sts., involving armored conc. curbs; one-course conc. sidewalks; 8-in. and 12-in. vit. clay pipe sewers; br. catchbasins with 10-in. vit. clay pipe culvert; class F conc. base pave. with 2-in. asph. conc. surface; est. cost 2,400.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

SAN FRANCISCO.—Until June 4, 2:30 P. M., bids will be received by S. J. Hester, secretary, Board of Public Works, to improve:

Shields Ave. bet. Arch and Ramsell Sts., and Arch St. bet. Garfield and Shields Sts. (where not already), involving armored conc. curbs; 6-inch ironstone pipe side sewers; 6-in. conc. base pave. with 1½-in. asph. concrete surface; est. cost, \$10,000.

Vernon St. bet. Randolph and Sargent Sts., (where not) involving armored conc. curbs; 6-in. ironstone pipe side sewers; conc. pavement; est. cost \$2,400.

Crossing Head and Shields Sts., involving grading; armored conc. curbs; 1-course conc. sidewalks; br. catchbasins with 10-in. vit. culverts and 12-in. vit. clay pipe sewers; 2-in. asph. conc. surface pave. on 6-in. class F base; est. cost \$2,400.

Certified check 10% payable to the Clerk of the Board of Supervisors required with bid. Plans obtainable from Bureau of Engineering, 3rd floor, City Hall.

MONTREY COUNTY, Cal.—Until June 6, 10 A. M., bids will be received by C. F. Joy, county clerk, to grade and pave the Salinas-Watsonville Rd. from Salinas to Old Toll Road near Watsonville Junction, in Supervisor Districts 1 and 2. Specifications obtainable on deposit of \$20, returnable. Howard Cozzens, county surveyor.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5117) to improve Sherwood Ave., between Newhall and Vermont Sts., involving grading 1½-in. asph. conc. surface pavement on 2½-in. asph. conc. base; cement, conc. walks, curbs, gutters; 4-in. vit. house lateral sewers. 1911 Act. Hearing June 9. John J. Lynch, city clerk. Wm. Popp, city engineer.

WATSONVILLE, Santa Cruz Co., Cal.—City council declares intention (1963) to improve Madison St., between California St. and Prospect St., involving grading; macadamized and oiled with asphalt oil; conc. curbs, and gutters. M. M. Swisher, city clerk. H. B. Kitchen, city engineer.

SAN MATEO, San Mateo Co., Calif.—Until June 2, 8 P. M., new bids will be received by E. W. Foster, city clerk, to widen North B St. (Acq. and Imp. District No. 1). Project involves: Grading, 6-in. conc. base pave. with 2-in. asph. conc. surface; const. reinf. conc. bridge; comb. conc. curbs and gutters; cem. walks; 8-in. and 4-in. vit. pipe lateral sewers; br. manholes; 10-in. cem. conc. pipe storm water sewers; electroliter lighting with underground system. Acq. and Imp. Act 1925. Previous bids rejected. Certified check 10% payable to city required with bid. Plans obtainable from E. P. Wilsey, city engineer.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;

BLACKSMITHING AND WELDING

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 Zoe St., bet. 3rd and 4th, off Brannan St.
Phone KEarny 1885

San Francisco

SAN RAFAEL, Marin Co., Cal.—County supervisors petitioned to improve Marie Ave., Rocco Blvd., and Geary Ave. in Fairfax Heights Tract, involving grading; 3-in. crushed rock base pavement with 2½-in. asphalt concrete surface; conc. curbs, gutters and drainage structures. Work to be under Co. Imp. Act 1921. Referred to County Surveyor Rodney Messner for report.

SAN FRANCISCO—Board of Supervisors will start proceedings to widen California St., bet Fillmore and Lyon Streets, from 44.5 ft. to 60.5 ft., involving an expenditure of \$30,700.

SAN JOAQUIN COUNTY, Cal.—Until June 18, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to grade and surface about 1.8 miles bet. French Camp and Stockton with crushed gravel or stone.

See call for bids under official proposal section in this issue.

SAN JOAQUIN COUNTY, Cal.—Until June 18, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to grade and widen about 3.3 miles bet. Houston School and Forest Lake with cement concrete and crusher run base.

See call for bids under official proposal section in this issue.

SAN MATEO, San Mateo Co., Cal.—Until June 2, 3 P. M. (previously reported June 5), bids will be received by E. W. Foster, city clerk (30-2) to improve portions of 9th Ave., 10th Ave., 7th Ave., etc., involving grading; comb. hyd. cem. conc. curbs and gutters, walks; asph. conc. base pave. on waterbound rock macadam cushion with 2-in. asph. conc. surf.; hyd. cem. conc. pipe storm water sewers; vit. clay pipe san. sewers; manholes; conc. sump and pumping unit complete.

1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. E. P. Wilsey, city engineer.

SAN JOSE, Santa Clara Co., Calif.—A. J. Ralsch, 46 Kearny St., San Francisco, awarded contract by city council (5070) to improve Grand Ave. bet. Race and Keeble Aves., involving grading; 1½-in. asph. conc. surface on 2½-in. asph. conc. base; cement conc. curbs, gutters, walks.

ARCHITECTS NOT SELECTED FOR FEDERAL PROJECTS

There is no assurance that a Portland architect will be selected to prepare plans for the new federal building at Portland, Oregon, or that such a selection will be made before July 1, if local talent is decided upon, according to Major Ferry Heath, assistant secretary of the treasury in charge of the public building program.

Heath declared that no local architects have been selected for federal buildings because congress as yet has appropriated no funds for such a purpose. The Elliott act authorizing additional public buildings also approves the use of \$1,200,000 for employment of outside architects at such places as the treasury may designate, but there has been no appropriation.

WESTERN PIPE EARNINGS

Net income of Western Pipe & Steel Company for the first quarter of 1930, after depreciation, was \$146,445. Total sales amounted to \$1,993,137 while unfilled orders on hand are in excess of \$2,000,000.

A. I. A. ANNOUNCES AWARDS OF FINE ARTS MEDAL

The American Institute of Architects announces award of its fine arts medal for 1930 to Adolph Alexander Weimann, New York sculptor, widely known as the designer of the dime and half dollar of the current coinage.

The institute awarded its craftsmanship medal to John Kirchmayer of Cambridge, Mass., wood carver who carved the altars, pulpits and bishop's thrones in several churches in New England, Detroit and Pittsburgh.

Weinman made the frieze of the Elks' memorial in Chicago. The monument to General Alexander Macomb in Detroit, the Maryland soldiers' and sailors' monument in Baltimore, the Lincoln memorials in Hodgenville, Ky., Madison, Wis., and Frankfort, Ky., and the Colonel William F. Vilas monument in the National Military Park at Vicksburg, Miss.

The medals will be presented today in Washington during the institute's 63rd convention.

KEEP AGREEMENTS

Breaking a contract even though it may be only a verbal one is just as dishonorable as the deliberate violation of one duly witnessed and signed. Groups of men who wilfully place themselves in this position should not be encouraged and should be warned that they are rocking the boat and that it is a long lane that has no turn.

OIL DERRICK SPECIFICATION

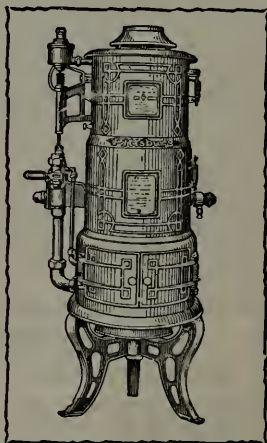
West Coast engineers have figured out a specification for a heavy duty wood oil derrick to meet deep drilling requirements. It allows for a safe

load of 756,000 lbs. The 28,000 board feet of lumber in the derrick was cut to detail in several Los Angeles mills to determine the cost.

"Business houses should not only maintain their appropriations for advertising and research during the present times, but should expand them prudently as prospects warrant," declares Dr. Julius Klein, assistant secretary of commerce. "Advertising is inherently constructive, acting as a powerful stimulant to every branch of activity. It not only keeps goods moving—it inspires confidence. 'Good will' is a priceless business attribute, but it is one that may waver and droop under the veering winds of public opinion. Advertising can keep it sturdy and upstanding. There is a bit of advice worth the attention of every business man. Prosperity will only return when all hands work for it. Advertising is one of the best tools available."

On the matter of the 5-day week, Roger Babson, a foremost business economist, has this to say:

"Whether or not the 5-day week will relieve unemployment is a much disputed question. If, however, the 5-day week means speeding up the work in five days in order that production may be equal to 5½ or 6 days, then only the most efficient workmen can stand the pace. Hence, the slower or less efficient men would drop out, thereby increasing, rather than diminishing unemployment. Labor's idea is not to speed up all production, but to make jobs for more men. More important to business, however, is the fact that workers have more time to spend money and more things for which to spend it. If added leisure means that workers will buy more, it should stimulate business in certain lines."



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

Pittsburg Water Heater Co.

Makers of "Pittsburg Automatic"—"Bungalow Automatic" Storage Systems and "Lyon" Tank Water Heaters.

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Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

651	Laguens	Owner	15000
652	Playground	Jacks	70000
653	Thompson	Owner	8000
654	Steele	Owner	3000
655	Stokes	Mattock	8000
656	Crivello	Domleo	8000
657	Fenech	Standard	40000
658	Franceschi	Owner	8000
659	Hastings	Ruegg	6000
660	Maillard	Spencer	2900
661	Thomsen	Owner	4300
662	Bleacher	Harman	3500
663	Christensen	Owner	8000
664	Dun	Hayes	14500
665	Gross	Steinberg	4000
666	Standard	Owner	1100
667	Anderson	Owner	72000
668	Bauer	Mooney	5000
669	Barbe	Strehlow	3000
670	Cane	Coburn	1000
671	Healy	Coburn	1000
672	Hebrew	Spivock	10000
673	Kalinowsky	Owner	2000
674	Kambic	Owner	4500
675	Meyer	Owner	12000
676	Pond	Marshall	2500
677	Allen	Jacks	22000
678	Bernell	Owner	4000
679	Bulotti	Proust	10000
680	Cuyler	Owner	8000
681	Fogarty	Male	3000
682	Mancuso	Owner	6000
683	Schlinger	Owner	10000

DWELLINGS

(651) NE DARIEN Way 132 SE Westgate; three 1-story and basement frame dwellings.
Owner and Builder—Laguens & Larsen, 365 Ashton Ave.
Architect—None. each \$5000

GYM & FIELD HOUSE

(652) FELTON ST. bet. Somerset & Hamilton; two-story and basement frame gymnasium and field house.
Owner—Playground Commission, 376 City Hall.
Architect—G. A. Dailey, 425 Mason St.
Contractor—Jacks & Irvine, 74 New Montgomery St. \$70,000

DWELLINGS

(653) W 29th AVE. 150 S Kirkham; two 1-story and basement frame dwellings.
Owner—V. Thompson, 2700 Anza St.
Architect—None. each \$4000

STORES

(654) SW COR. 20th AVE. and Taraval; one-story frame stores.
Owner—F. Steele, 130 St. Elmo Way.
Architect—C. DeColmesnil, Wells Fargo Bank Bldg. \$3000

ALTERATIONS

(655) 3010 CLAY ST.; alterations to front of 3-story frame school bldg.
Owner—S. H. Stokes, 3010 Clay St.
Architect—B. C. Corbett, 1700 Pacific Avenue.
Contractor—Mattock and Feasey, 210 Clara St. \$8000

FLATS

(656) W HYDE ST. 56 S Beach St.; two-story and basement frame (2) flats.
Owner—V. Crivello, 2702 Hyde St.
Architect—None.
Contractor—A. Domleo, 2345 Polk St. \$5000

APARTMENTS

(657) S JEFFERSON 192 E Broderick St.; three-story and basement frame (12) apts.
Owner—J. Fenech, 215 Castenada.
Plans by D. E. Jaekle, 744 Call Bldg.
Contractor—Standard Bldg. Co., 218 Castenada. \$40,000

DWELLINGS

(658) N JEFFERSON ST. 89 W Broderick; two 1-story and basement frame dwellings.
Owner—L. Franceschi, 125 Cervantes Blvd.
Architect—Irvine & Ebbs, Call Bldg. each \$4000

STORE

(659) NW BAY SHORE and Visitation; one-story frame stores.
Owner—Hastings's Trust Estate, 369 Pine St.
Architect—None.
Contractor—The Ruegg Co., 369 Pine Street. \$6000

ALTERATIONS

(660) S VALLEJO 75 W Gough; alterations for elevator.
Owner—J. Maillard, 1815 Vallejo St.
Architect—None.
Contractor—Spencer Elevator Co., 166 7th St. \$2900

DWELLING

(661) N HAVELOCK 267 E Arago; one-story and basement frame dwelling.
Owner—J. Thomsen, 117 Madrid.
Plans by Owner. \$4300

DWELLING

(662) N HALE 100 W Merrill; one-story and basement frame dwelling.
Owner—W. C. Bleacher, 242 Hale.
Designer—E. J. O'Connor, 346 Woolsey.
Contractor—W. Harman, 308 Felton. \$3500

DWELLINGS

(663) W 18th AVE. 175 N Lawton; two 1-story and basement frame dwellings.
Owner—H. Christensen, 1422 27th Ave.
Architect—None. each \$4000

FLATS AND STORES

(664) W BRENHAM 39 S Washington; three-story and basement concrete (2) stores and (2) flats.
Owner—F. W. Dun, Brenham Place.
Architect—None.
Contractor—D. Hayes, 22 Brady St. \$14,500

ALTERATIONS

(665) 875 MARKET ST.; alterations to store front, etc.
Owner—Gross Millinery Co., Trenton, New Jersey.
Architect—None.
Contractor—N. Steinberg, 3226 Winter St., Los Angeles. \$4000

ALTERATIONS

(666) NE 48th AVE. and FULTON St.; alterations to service station.
Owner—Standard Oil Co., 225 Bush St.
Architect—None. \$1100

FLATS

(667) W 25th AVE. 167 S Cabrillo; eight 2-story and basement frame (2) flats.
Owner—F. Anderson, 1320 22nd Ave.
Architect—L. O. Ebbs, Hobart Bldg. each \$9000

REPAIRS

(668) 628 CAPP ST.; repair fire damage to apartments.
Owner—J. E. Baner, 628 Capp St.
Architect—None.
Contractor—W. J. Mooney, 68 Belcher Street. \$5000

(669) W CROWN TERRACE 106 S Twin Peaks Blvd.; one-story and basement frame dwelling.
Owner—Miss L. M. Barbe, 210 Post St.
Architect—None.
Contractor—Strehlow & La Vole, 1274 Dolores St. \$3000

REPAIRS

(670) 627 CASTRO ST.; repair fire damage.
Owner—J. Cane, 711 Hearst Bldg.
Architect—None.
Contractor—I. W. Coburn, 711 Hearst Bldg. \$1000

REPAIRS

(671) 633 CASTRO ST.; repair fire damage.
Owner—M. Healy, 711 Hearst Bldg.
Architect—None.
Contractor—I. W. Coburn, 711 Hearst Bldg. \$1000

ADDITION.

(672) BET. MISSION and Avalon, Lisbon and Silver; two-story concrete class B addition to home (48 families).
Owner—Hebrew Home for Aged and Disabled, Mission St. and Silver Avenue.
Architect—Hyman & Appleton, Foxcroft Bldg.
Contractor—Spivock and Spivock, 908 Hobart Bldg. \$100,000

DWELLING

(673) 247 CHARTER OAK AVE.; one-story and basement frame dwelling.
Owner—O. Kalinowsky, 247 Charter Oak Ave.
Architect—None. \$2000

DWELLING

(674) E VERMONT 325 N 18th St.; one-story and basement frame dwelling.
Owner—J. Kambic, 500 San Bruno Avenue.
Architect—None. \$4600

DWELLINGS

(675) N WAWONA 82 W 21st Ave.; three 1-story and basement frame dwellings.
Owner—Meyer Bros., 727 Portola Dr.
Architect—None. each \$4000

Capital City Title
Company
J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

ALTERATIONS

(676) 2504 SCOTT ST.; alterations and additions to dwelling.
Owner—S. Pond, 2504 Scott St.
Architect—None.
Contractor—F. S. Marshall, 795 Ashbury St. \$2500

RESIDENCE

(677) N LAKE 248 W 30th Ave.; two-story and basement frame residence.
Owner—H. B. Allen, Inc., 168 Sutter.
Architect—Hyman and Appleton, 68 Post St.
Contractor—Jacks & Irvine, 74 New Montgomery St. \$22,000

DWELLING

(678) E HAMILTON 175 S Felton; 1-story and basement frame dwelling.
Owner—G. Bernell, 201 Hamilton.
Architect—None. \$4,000

RESIDENCE

(679) N SOLETO 150 E 9th Ave.; 1-story and basement frame residence.
Owner—C. F. Bulotti.
Architect—H. G. Stoner, San Mateo.
Contractor—J. Prout, 515 Magellan. \$10,000

REPAIRS

(680) 250 SACRAMENTO ST.; repair damage.
Owner—Mrs. G. B. Cuyler, % architects.
Architect—W. D. Peugh and O'Brien Bros., 315 Montgomery St. \$8000

DWELLING

(681) NE ALABAMA and Montcalm; one-story and basement frame dwelling.
Owner—T. Fogarty, 1697 Alabama St.
Plans by Builder.
Contractor—R. Imale, 446 Ralston. \$3000

SALESROOM

(682) W VALENCIA 257 N 16th St.; two-story class C salesroom.
Owner—J. Mancuso, 555 Valencia St.
Architectural Draftsman—B. K. Dobkowitz, 425 Monterey Blvd. \$6000

HOTEL

(683) S MARKET ST. 25 W 12th St.; six-story and basement concrete hotel.
Owner—J. T. Schlinger, 510 Battery St.
Architect—L. H. Thomas, 17th and Webster Sts., Oakland. \$100,000

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
100	Ahrens	Almquist	2620
101	Greenburg	Galvin	810
102	Erwin	Bosch	3400
103	Maisler	Douglas	5615
104	Metropolitan	Gurnette	8670
105	Flood	Paoli	3791
106	Deligiannis	Owner	3000
Archbishop	Rasori		39022
108	Stokes	Mattock	8450

BUILDINGS

(100) E 42nd AVE. 250 S Judah St. S 25 x E 120; general construction on two buildings.
Owner—M. Ahrens.
Architect—None.
Contractor—F. Almquist & O. Olson, 1630 24th Ave.
Filed May 22, '30. Dated May 21, '30.
Mill work in place 1/2
Completed 1/2
Usual 35 days 1/2
TOTAL COST, \$2620
Bond, \$2620. Sureties, A. Warden and F. Doelger. Limit, 60 days. Specifications filed.

ELECTRIC WORK

(101) E PRESIDIO AVE. 72-8 1/4 S Pacific Ave 55 x E 110-11; electric work, except for installation of range.
Owner—H. H. Greenburg.
Architect—S. L. Hyman and R. Appleton, 68 Post St.
Contractor—A. E. and J. M. Galvin as Galvin Bros., 557 Market St.
Filed May 22, '30. Dated Feb. 17, '30.
Rough in \$486
Completed 162
Usual 35 days 162
TOTAL COST, \$810
Plans and Spec. filed.

CEMENTING

(102) S BRANNAN ST. and Japan St.; exterior cementing.
Owner—J. J. Erwin.
Architect—None.
Contractor—H. Bosch, 449 Fulton St.
Filed May 22, '30. Dated May 20, '30.
Brown coated \$1400
Completed and accepted 1150
Usual 35 days 850
TOTAL COST, \$3400
Bond, \$1700. Sureties, Hartford Accident & Indemnity Co. Plans and Spec. filed.

RESIDENCE

(103) W 30th AVE 150 N Fulton St.; general construction on one-story and basement residence.
Owner—M. and D. Maisler, 3910 Fulton St.
Architect—None.
Contractor—S. Douglas, 2491 29th Ave.
Filed May 22, '30. Dated May 20, '30.
Roof on \$1403.75
White coated 1403.75
Completed 1403.00
Usual 35 days 1403.75
TOTAL COST \$5615.00
Limit, 90 days.

PAINTING

(104) PINE and STOCKTON STS., 600 Stockton St.; painting.
Owner—Metropolitan Life Ins. Co. of New York, premises.
Architects—J. R. Miller and T. L. Pfeuffer, 580 Market St.
Contractor—Gurnette & Chandler, 51 Beaver St.
Filed May 22, '30. Dated April 21, '30.
15th of each month 75%
Usual 35 days 25%
TOTAL COST, \$8670
Bond, \$8670. Sureties, U. S. Guaranty Company.

CLEANING, PAINTING

(105) 719 MISSION Street; cleaning, painting, etc.
Owner—Flood Realty Co., Flood Bldg. Drawings and Spec. by J. E. Scully, Supt., Phelan Bldg.
Contractor—R. P. Paoli & Co., 3159 Fillmore St.
Filed May 22, '30. Dated May 22, '30.
15th of each month 75%
Usual 35 days 25%
TOTAL COST, \$3791
Bond, \$3791. Sureties, Hartford Accident & Indemnity Co. Limit, 30 days. Spec. filed.
If galleries of west store are painted instead of varnished as called for then \$175 to be added to \$3791.

ALTERATIONS & ADDITIONS

(106) 665-665A-667 HARRISON ST.; alterations and additions to present buildings.
Owner—P. A. Deligiannis, 320 3rd St.
Architect—None.
Contractor—J. D. Woodside, 3460 Mission St.
Filed May 22, '30. Dated May 22, '30.
Concrete foundation poured \$750
Brown coated 750
Completed 750
Usual 35 days 750
TOTAL COST, \$3000
Bond, \$2266. Sureties, Fidelity & Deposit Co. of Maryland. Plans and Spec. filed.

PARISH HOUSE

(107) W 17th AVE. bet. Ulloa and Vincenti Sts.; all work on two-story and part basement parish house.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—H. A. Minton, Underwood Building.
Contractor—S. Rasori, 74 New Montgomery St.
Filed May 26, '30. Dated May 21, '30.
Monthly payments of 75%
Usual 35 days 25%
TOTAL COST, \$39,022
Sureties, Aetna Casualty & Surety Co. Forfeit \$50. Limit Oct. 15, 1930. Plans and Spec. filed.

ADDITIONS & ALTERATIONS

(108) N CLAY ST. 106-3 W Broderick St. W 50 x N 127-8 1/4; alterations and alterations to school.
Owner—G. H. and B. T. Stokes, 3010 Clay St.
Architect—B. C. Corbett, Financial Center Bldg.
Contractor—A. F. and C. W. Mattock, 210 Clara St.
Filed May 27, '30. Dated May 20, '30.
Brown coat plaster started \$3170.50
Completed 3170.50
Usual 35 days 2114.00
TOTAL COST, \$8450
Limit, Aug. 25, 1930. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted
May 22, 1930—W PENINSULA AVE 155 S Lathrop S 156-10 1/2 x W 100. Wm H. Grahn to whom it may concern May 21, 1930
May 22, 1930—398 SAN LEANDRO Way. B. L. Drake to Geo Stanley May 22, 1930
May 21, 1930—E LEE AVE 65 N Graton Ave N 25 x E 35. The McCathy Co to Wm Duerner, Jr. May 20, 1930
May 21, 1930—323 MISSION 355 N Virginia Ave NE 25 x SE 133-7 ptn PV Lands. American Trust Co to Morrison & Co, composed of Victor H Berg, Arthur Chessman and J C Silveira May 20, 1930
May 21, 1930—E 15th AVE 75 N Vincente 25x100. G J Elkington and Sons to whom it may concern May 20, 1930
May 21, 1930—SE MISSION ST 335 N Virginia Ave NE 25 x SE 133-6. American Trust Co to a Coleman, J H Pinkerton, T M Jones (three completions) May 21, 1930
May 24, 1930—SW 13th & CAPP Sts. J K Milonas to whom it may concern May 22, 1930
May 24, 1930—NE 18th & HOWARD Sts. J K Milonas to J J Bine May 22, 1930
May 24, 1930—323 FOLSOM ST W Folsom 50 N Stoneman St 25x80. Ray Allison to whom it may concern May 23, 1930
May 24, 1930—LOCATION OMITTED. Board of Trustees of Christian Science Benevolent Assn to G Wagner May 15, 1930
May 24, 1930—SW QUESADA AVE 237-6 SE Lane St 25x120. H Diekmann to A Barsotti May 22, 1930
May 23, 1930—S KIRKHAM ST and W 43rd Ave S 100 x W 52-6. San Francisco Home Bldg Co per W T Altavater to whom it may concern May 22, 1930
May 23, 1930—W 1st AVE 260 N Ortega N 25 x W 120. City Title Ins Co to Samuel Goss May 15, 1930
May 23, 1930—NE JACKSON AND Walnut 27-6 on Jackson x 90 on Walnut. Albert E Hawley to Ed Zinkand & Son May 22, 1930
May 22, 1930—W POWELL ST 70 N Washington St N 68 x 128. Board of Missions of NE Church South per A W Smith to S G Johnson May 20, 1930

May 22, 1930—N BUSH and W Battery N 136 W 137-6 S 57-6 E 20 S 80 E 117-6. Shell Oil Co to F B Drew as Frank B Drew Co. \$16, 1930

May 22, 1930—W FRANKLIN ST and S Bush St 120 x W 144-9 Ray Schwartz to whom it may concern. May 22, 1930

May 26, 1930—CORNER THIRD and Parnassus Aves. The Regents of The University of California to J A Mohr & Son. May 15, 1930

May 26, 1930—W STEINER 55 and 82-6 S Broadway S 27-6 x W 110. S V and J B Rothschild to whom it may concern. May 23, 1930

May 26, 1930—LOTS 24, 31, 33, 34, 35, 36 Blk 6965B Sub No 1 Geneva Terraces. H and H Stoneson to whom it may concern. May 21, 1930

May 26, 1930—E 30th AVE and N Kirkham 25x32. Gordon and Belle Leask and J D and S M Geno to whom it may concern. May 22, 1930

May 26, 1930—W CASTRO 105 S 15th S 25 x W 120 MB 122. Axel Erickson to whom it may concern. May 24, 1930

LIENS FILED

San Francisco County

Recorded	Amount
May 24, 1930—S OCEAN AVE 75 E Jules Ave E 50 x S 100. P Sorensen vs C H and T Duerner and J Satmary. \$399.59	
May 24, 1930—E LYON ST 50 and 75 S Chestnut 25x93. Inland Floor Co vs Alex Antouchuk and Hudson Bros. \$143.25	
May 24, 1930—W 41st AVE 200 S Judah 25 alg W 41st AVE W 120 x N 25. Calif Terrazzo Marble Co vs M De Amaral and S B Goss. \$59	
May 22, 1930—N 18th 125 W Noe W 25 x N 100 known as 4024 18th St. Harry Sparrow vs Lucy P Sloan. \$474.95	

RELEASE OF LIENS

San Francisco County

Recorded	Amount
May 24, 1930—W DIVISADERO ST 50 S Washington St S 50 x W 120. M S and S N Greenberg as M Greenberg's Sons to J Buchanan, P A Vukicevich and Wm McIntosh	
May 22, 1930—LOTS 1 and 2 BLK 2988A map Portal Park. David Blechman as Blechman & Blechman to T E Foster as Dependable Manufacturing Co. \$105	

BUILDING PERMITS

Alameda County

No.	Owner	Contractor	Amt.
661	Ahlin	Blitrite	6000
662	Hennessey	Madison	2000
663	Patrick	Patrick	7750
664	Steindel	Steindel	5000
665	Marrin	Melrose	1400
666	Monez	Owner	3800
667	Salvation	Jacobs	240990
668	Calif. Packing	Vezev	5000
669	Grassi	Johnstone	4000
670	Davis	Rose	1800
671	Replogle	Beadell	1750
672	Zims	Zims	2600
673	Phil. Quartz	Lyon	13000
674	Barthelson	Owner	6000
675	Jordan	Owner	4500
676	Barth	Owner	4000
677	Russell	Rose	1400
678	Bissell	Jones	4321
679	Bissell	Jones	3000
680	S F Sulphur Co	Owner	1000
681	Oakland	Spivcock	97797
682	Holddorf	Holddorf	6500
683	Triberoff	Caretto	4000
684	Best	Petersen	12000

685	Rosch	Owner	1000
686	Habib	Sullivan	6000
687	Mauzey	Shaw	9000

RESIDENCE
(661) 1176 SHATTUCK AVE., Berkeley; two-story 7-room 1-family frame residence.
Owner—Mr. Ahlin, care builder.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
Contractor—Blitrite Const. Co., 366 Ocean View Drive, Berkeley. \$6000

ALTERATIONS
(662) 1009 OXFORD ST., Berkeley; alterations.
Owner—Dr. L. Hennessey.
Architect—None.
Contractor—C. R. Madison, 1517 Le Roy Ave., Berkeley. \$2000

RESIDENCE
(663) 981 INDIAN ROCK AVE., Berkeley; two-story 6-room 1-family frame residence.
Owner—Elsie Patrick, 2015 Yolo Ave., Berkeley.
Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.
Contractor—H. G. Patrick, 2015 Yolo Ave., Berkeley. \$7750

RESIDENCE
(664) 574 VINCENTE AVE., Berkeley; one-story six-room 1-family frame residence and garage.
Owner—P. Steindel, 38 Northampton Road, Berkeley.
Plans by Builder.
Contractor—Sam Steindel, 38 Northampton Road, Berkeley. \$5000

WASH RACK
(665) SE COR. 11th and Franklin Sts., Oakland; one-story tile wash rack
Owner—F. Marrin, 373 11th St., Oakland.
Architect—None.
Contractor—Melrose Steel Co., Inc., 1200 47th Ave., Oakland. \$1400

DWELLING
(666) 1856 CLEMENS ROAD, Oakland; one-story 6-room dwelling.
Owner and Builder—A. H. Monez, 4350 Bridgeview Drive, Oakland.
Architect—None. \$3800

HOTEL
(667) NE COR. 15th & GROVE Sts., Oakland; six-story brick and steel hotel.
Owner—Salvation Army, San Francisco.
Architect—D. D. Stone, Great Western Power Bldg., Oakland.
Contractor—Jacobs and Pattiani, 337 17th St., Oakland. \$240,900

CAFETERIA
(668) NO. 765 SAUNDERS ST., San Leandro; Wood frame and rustic canery cafeteria.
Owner—California Packing Co., Plant No. 8.
Architect—Owner.
Contractor—C. Vezev & Son, 354 Hobart St., Oakland. \$5000

DWELLING
(669) NO. 647 JOAQUIN AVE., San Leandro. One and one-half-story 5-room frame dwelling.
Owner—Mrs. J. Grassi, 1826 94th Ave. San Leandro.
Architect—W. W. Dixon, 1844 5th Ave., Oakland.
Contractor—James Johnstone, 1810 94th Ave., Oakland. \$4000

REPAIRS
(670) 2824 LAUREL AVE., Oakland; fire repairs.
Owner—Frank Davis, 3324 Laurel Ave. Oakland.
Architect—None.
Contractor—A. H. Rose, 478 25th St., Oakland. \$1800

ALTERATIONS
(671) 696 61st AVE., Oakland; alterations and additions.
Owner—D. Ben Replogle, 940 Arlington Ave., Oakland.
Architect—None.
Contractor—Beadell and Lane, 909 Spruce St., Oakland. \$1750

DWELLING & STORE
(672) N FOOTHILL BLVD. 275 East Havenscourt, Oakland; one-story 3-room dwelling, store and 1-story garage.
Owner—Clara Zims, 1500 Pacific Ave., San Francisco.
Architect—None.
Contractor—Leo Zims, 1500 Pacific Ave., San Francisco. \$2600

ALTERATIONS
(673) 735 GRAYSON ST., Berkeley; alterations to class A factory.
Owner—Philadelphia Quartz, Sixth & Grayson Sts., Berkeley.
Plans by Owner.
Contractor—W. E. Lyon, 354 Hobart St., Oakland. \$13,000

RESIDENCE
(674) NO. 1199 STERLING AVE., Berkeley. Two-story 6-room 1-family frame residence.
Owner—H. C. Barthelson, 515 Plumas St., Richmond.
Architect—None. \$6000

RESIDENCE
(676) NO. 10 FLORIDA AVE., Berkeley. Two-story 6-room 1-family frame residence.
Owner—M. Jordan, 80 Rock Lane, Berkeley.
Architect—None. \$4500

DWELLING
(676) S SUMMIT DRIVE 218 E Kapham Ave., Oakland; one-story 5-room dwelling.
Owner and Builder—K. R. Barth, 2208 E 29th St., Oakland.
Architect—None. \$4000

REPAIRS
(677) 1450-52 34th AVE., Oakland; fire repairs.
Owner—A. G. Russell, 1450 34th Ave., Oakland.
Architect—None.
Contractor—A. H. Rose, 478 25th St., Oakland. \$1400

RESIDENCE
(678) NO. 1509 EUCLID AVE., Berkeley. Two-story 6-room 1-family frame residence.
Owner—C. H. Bissell, 1839 Sonoma Ave., Berkeley.
Architect—Gwynn Officer, Hotel Claremont, Berkeley.
Contractor—W. P. Jones, 2218 Los Angeles Ave., Berkeley. \$1331

(679) NO. 1509 EUCLID AVE., Berkeley. Alterations.
Owner—C. H. Bissell, 1839 Sonoma Ave., Berkeley.
Architect—Gwynn Officer, Hotel Claremont, Berkeley.
Contractor—W. P. Jones, 2218 Los Angeles Ave., Berkeley. \$2000

ALTERATIONS
(680) NO. 2832 NINTH ST., Berkeley. Alterations.
Owner—S. F. Sulphur Co.
Architect—None. \$1000

SHED
(681) FOOT OF NINTH AVE., Oakland; one-story concrete transit shed.
Owner—City of Oakland, Oakland B'k Building.
Architect—Port of Oakland.
Contractor—Spivcock & Spivcock, Hobart Bldg., San Francisco. \$97,797

DWELLING

(633) W DORISA 400 N Calafia, Oakland; two-story 7-room dwelling. Owner—Hollidorf & Monsen, 1816 7th St., Oakland.
Plans by L. P. Vernon, car owner.
Contractor—Geo. Hollidorf, 1816 7th St., Oakland. \$6500

DWELLING

(633) 5915 MacCALL ST., Oakland; one-story 5-room dwelling. Owner—Carlo Triberti, 2221 8th St., Berkeley.
Architect—None.
Contractor—Carlo Caretto, 2221 8th St., Berkeley. \$4000

ALTERATIONS

(634) 13-25-30-32 E 14th ST., SAN LEANDRO; Alter Best Theatre into three stores.
Owner—Best Estate.
Architect—W. H. Weeks, Hunter-Dulin Bldg., San Francisco.
Contractor—G. J. Petersen, 1841 Bancroft Way, San Leandro. \$12,000

ALTERATIONS

(685) 2548 CEDAR ST., BERKELEY; alterations.
Owner and Builder—Chas. F. B. Rosen.
Architect—None. \$1000

DWELLING

(686) SE 14th ST. 80 E 84th Avenue, OAKLAND; two-story stores and dwelling.
Owner—M. J. Habit, 8714 E 14th St., Oakland.
Architect—None.
Contractor—Sullivan & Sullivan, Bldrs. Exchange, Oakland. \$6000

RESIDENCE

(687) 1140 GRIZZLY PEAK BLVD., BERKELEY; two-story 10-room frame and stucco residence.
Owner—Helen Mauzy, 5520 College Ave., Oakland.
Architect—Wm. Masser Co., San Francisco.
Contractor—Arthur W. Shaw, 5520 College Ave., Oakland. \$9000

BUILDING CONTRACTS

Alameda County

88 Bowen	Marietti	4528
89 S. P.	Rogers	
90 Regents	Van Flett	7832
91 Replogle	Beadell	1750
92 Bissell	Jones	7331
93 Regents	Daahl	3082
94 Regents	Reid	4389
95 Maurer	Fazio	12634
96 Habit	Sullivan	7700
97 Anderson	Warn	3100
98 Daneri	Bell	3685

HOUSE

(88) SW KAINS & MARIN AVE., Albany; general construction on 2-story house.
Owner—Wm. W. & Julia Bowen, 1201 Union St., Oakland.
Architect—Gerald J. Fitzgerald.
Contractor—Charles Marietti.
Filed May 22, '30. Dated May 6, '30.
When roof is on.....\$132
When brown coated.....1132
When completed.....1132
Usual 35 days.....1132
TOTAL COST, \$4528
Limit, 60 days. Plans and Spec. filed.

WELL

(89) NEAR NEWARK; drilling, sinking and casing 10-in. well.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—None.
Contractor—J. E. Rogers, 110 Sutter St., San Francisco.
Filed May 22, '30. Dated May 16, '30.
Monthly payments of.....75%
Usual 35 days.....Balance
COST \$2.30 per foot
Bond, \$1610. Sureties, U. S. Guarantee

Co. Limit, 60 days. Plans and Spec. filed.

LINOLEUM

(90) GIANNINI HALL, campus of the University of California, Berkeley; furnishing and laying linoleum.
Owner—The Regents of the University of California, Berkeley.
Architect—W. F. Stephenson, University of California, Berkeley.
Contractor—Van Fleet-Frear Co., 557 Howard St., San Francisco.
Filed May 22, '30. Dated May 12, '30.
On completion.....75%
Usual 35 days.....25%
TOTAL COST, \$7832.50
Labor and Material Bond, \$4000; Performance, \$4000. Sureties, Globe Indemnity Co. Forfeit, \$25 per day.
Limit, 60 days. Plans and Spec. filed.

ALTERATIONS

(91) 630 51st ST., Oakland; alterations and addition to residence.
Owner—D. Ben Replogle, 940 Arlington Ave., Berkeley.
Architect—None.
Contractor—R. Beadell and Geo. J. Lane, 909 Spruce St., Oakland.
Filed May 23, '30. Dated May 21, '30.
When rafters are set.....\$450
1st coat of plaster.....450
When completed.....450
Usual 35 days.....400
TOTAL COST, \$1750
Limit, 90 days.

GARAGE & ALTERATIONS

(92) 1509 EUCLID AVE., Berkeley; construction of garage and alterations to residence.
Owner—Clifford H. Bissell, 1839 Sonoma Ave., Berkeley.
Architect—Gwynn Officer, Berkeley.
Contractor—W. P. Jones, 2218 Los Angeles Ave., Berkeley.
Filed May 24, '30. Dated, May 23, '30.
When frame is set.....\$132.75
1st coat of plaster.....132.75
When completed.....132.75
Usual 35 days.....132.75
TOTAL COST, \$7331
Limit, 60 days. Plans and Spec. filed.

TILE FLOORING

(93) GIANNINI HALL, Campus of the University of California, Berkeley; composition tile flooring.
Owner—The Regents of the University of California, Berkeley.
Contractor—Daahli-Thoms Awning and Canvas Co., 2335 Broadway, Oakland.
Filed May 24, '30. Dated May 20, '30.
Upon completion.....75%
Usual 35 days.....25%
Bond: Labor and Materials, \$2,000; Performance, \$2000. Sureties, Pacific Indemnity Co. Forfeit, \$10 per day.
Limit, 30 days. Plans and Specifications filed.

STERILIZATION EQUIPMENT

(94) INFIRMARY BLDG., Campus of the University of California, Berkeley; installing sterilization equipment.
Owner—The Regents of the University of California, Berkeley.
Contractor—Reid Brothers, Inc., 91 Drumm St., San Francisco.
Filed May 24, '30. Dated May 8, '30.
Upon completion.....75%
Usual 35 days.....25%
TOTAL COST, \$4380
Bond: Labor and Materials, \$2,500; Performance, \$2500. Sureties, American Surety Co. of N. Y. Forfeit \$15 per day. Limit, 90 days. Plans and Spec. filed.

PLUMBING

(95) FAIRMOUNT HOSPITAL, near San Leandro; furnish and install plumbing for hospital.
Owner Not Given.
Architect—H. H. Meyers, 1201 Kohl Bldg., San Francisco.

Contractor—Geo. J. Maurer, 50 York Drive, Oakland.
Subcontractor—J. A. Fazio, 402 Castro, Oakland.
Filed May 26, '30. Dated May 20, '30.
Payments Not Given.
TOTAL COST, \$12,684

STORE

(96) S EAST 14th ST. bet. 84th and 85th Aves., Oakland; general construction on store building (pool room and barber shop).
Owner—John and Mabel J. Habit.
Architect—None.
Contractor—Sullivan & Sullivan, 3021 Maxwell Ave., Oakland.
Filed May 26, '30. Dated May 21, '30.
When roughed in.....\$1925
When plastered.....1925
When completed.....1925
Usual 35 days.....1925
TOTAL COST, \$7700
Bond, \$7700. Sureties, Fidelity & Deposit Co. of Maryland. Forfeit, \$5 per day. Limit, 90 days.

DWELLING

(97) LOT 42, Fernwood Addn., Oakland; general construction on 5-room half log dwelling.
Owner—O. B. and Eva E. Anderson, 630 E San Antonio, San Jose.
Plans by Builder.
Contractor—Warn Bros., San Leandro.
Filed May 27, '30. Dated Feb. 20, '30.
When roof is framed.....\$775
When frame is completed.....775
When completed.....775
Usual 35 days.....775
TOTAL COST, \$3100
Limit, 90 days.

HEATING SYSTEM

(98) 241 ATHOL AVE., Oakland; installing hot water heating system in apartment house.
Owner—J. Daneri and W. Richardson, 6515 Raymond St., Oakland.
Architect—None.
Contractor—Geo. C. Bell, 1826 E 15th St., Oakland.
Filed May 27, '30. Dated Mar. 26, '30.
When roughed in.....50%
When completed.....50%
Usual 35 days.....25%
TOTAL COST, \$3685

COMPLETION NOTICES

Alameda County

Recorded	Accepted
May 22, 1930—1 DOWNEY PLACE, Oakland. H C Pendleton to whom it may concern.....	May 22, 1930
May 22, 1930—LOT 66 BLK E, Peninsula Tract, Alameda. H C Hansen to whom it may concern.....	May 19, 1930
May 22, 1930—339 KINGSTON AVE., Piedmont. Jean Herman to Geo Windsor.....	May 14, 1930
May 22, 1930—NW COR E 14th ST and 5th Ave, Oakland. Joseph N Colman to George D Prentice.....	May 21, 1930
May 21, 1930—1586 TREBLE GLEN Road, Oakland. Sigwald Bros to Self.....	May 15, 1930
May 21, 1930—S CLARENDON Crescent bet Longridge Road and Manadna Blvd, Oakland. Sigwald Bros to Self.....	May 15, 1930
May 21, 1930—LOT 141, Broadmoor Park, San Leandro. P B Weaver to whom it may concern.....	May 20, 1930
May 23, 1930—6080 OCEAN VIEW Drive, Oakland. Louis Ghigliotti and Joe Capellini to whom it may concern.....	May 20, 1930

May 22, 1930—STATE HIGHWAY bet Dublin and Hayward (John Fritz ppty). Dept of Public Works Division of Highways, State of California to whom it may concern.....May 22, 1930

May 23, 1930—STATE HIGHWAY bet Hayward and Niles (Frank J Rebelle ppty). Dept of Pub Wks Division of Highways, State of California to whom it may concern.....May 15, 1930

May 24, 1930—PTN LOT 16, Briggs Tract, Alameda. Noble F Justice to whom it may concern.....May 23, 1930

May 24, 1930—LOT 23 BLK E, Durant Manor, Oakland. Caesar and Mary Gomes to Alice S Nylander.....May 14, 1930

May 24, 1930—LOT 15 BLK H Claremont Pines, Oakland. J M and Anna K Olson to whom it may concern.....May 23, 1930

May 24, 1930—PPTY OF CYPRESS Cemetery Assn, State Hwywy bet Hayward and Niles. Dept of Public Works, Division of Highways, State of California to W P McCoy.....May 1, 1930

May 24, 1930—PTN LOT 13 BLK I, amended map of the Moss Tract, Oakland. F E Callaway to whom it may concern.....May 23, 1930

May 24, 1930—3973 HANLY ROAD, Oakland. John Fleming to whom it may concern.....May 24, 1930

May 24, 1930—INFIRMARY BLDG, Campus of the University of California, Berkeley. The Regents of the University of California to Otis Elevator Co.....May 16, 1930

May 26, 1930—N LINE W 13th St 50 ft E of Wood St, Oakland. Maria R De Ponte to whom it may concern.....May 20, 1930

May 26, 1930—PTN LOT 16 and all of Lot 17 Blk 2, Highland Manor, Oakland. Lillian Ryan to Leo J Dolan.....May 24, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
May 21, 1930—PTN LOT 2 all Lots 3, 4, 5, 6, 7, 8, 9, 10 N 2d St 15 ft to 20 inc Blk 2, Survey of N Exten, Oakland. Berkeley Bldg Material Co vs Charles and W Gordon, M Foss, Victor Ice Cream Co.....	\$386.04
May 22, 1930—LOTS 25 and 26, Arbor Villa, Oakland. Liberty Ornamental Iron & Wire Works vs Chris and Maud Dietz.....	\$1550
May 22, 1930—LOTS 25 and 26, Arbor Villa, Oakland. Nat Lena, \$3,903; McGrath Steel Co, \$378, vs Chris and Nellie Dietz.....	
May 22, 1930—LOT 3 BLK D, resub of Blks C and D of the Flint Tract, Oakland. H E Sawyer vs Ernest and Edna P Flores.....	\$575
May 22, 1930—1121 SUNNYHILLS Road, Oakland. Sunset Lumber Co vs J St Clair and J U Williams.....	\$213.97
May 21, 1930—230 BELLEVUE DR, San Leandro. M Schnabel, \$56.50; Karl Miller, \$215, vs R H Weeks, Weeks Const Co, Ltd.....	
May 21, 1930—LOTS 25 and 26, Arbor Villa, Oakland. A K Goodmundson vs Chris Dietz.....	\$665
May 21, 1930—LOTS 25 and 26, Arbor Villa, Oakland. W D Herrick, \$761.50, Smith Lumber Company of Oakland, \$1526.41, H E Sawyer, \$710, vs Chris and Nell Dietz.....	
May 21, 1930—LOT 3 BLK D Subdiv of Blks C and D, Flint Tract, Oakland. Rigney Tile Co vs Ernest and Edna Flores.....	\$572
May 23, 1930—LOT 32 BLK 1183 map No 2, Wm Budters Tct, Oakland. Western Roofing Co vs E Kelso and J Sayre.....	\$36
May 23, 1930—42 SOMERSET PL, Berkeley. Hager Sash & Door Co vs The Alameda Co Home Inv Co,	

E L Watts, L H Williams.....	\$110
May 23, 1930—6301 Van MOUNICK Ave, Oakland. Arthur J Angell vs John Doe Tobitt, Richard Doe, Jane Doe, Charles Sherrill.....	\$150
May 23, 1930—LOTS 25 and 26, Arbor Villa, Oakland. J A Fazio vs Chris and Nell Dietz, P A Dietz.....	\$3688
May 26, 1930—LOTS 7, 8 and 9 and a ptn Lots 10 and 11 Blk 2, amended map of a ptn of La Loma Park and Wheeler Tract, Berkeley. East Bay Sheet Metal Works vs George D Blood, C H McCullough, Nottingham Heating & Ventilating Company.....	\$227.75
May 26, 1930—LOTS 28 and 29 Blk 25, map of Regents Park No 6, Albany. J C Martin vs Emily Y Holtkamp, N I Pinkerton, aka Norma Irene Pinkerton, F A Hopper.....	\$744.20
May 26, 1930—LOT 27 BLK 415, Blvd Elms, Oakland. A Coburg vs Claxton E and Emily Perkins and E Brown.....	\$157.50
May 24, 1930—LOT 61, Bellevue Gardens, San Leandro. T P Hogan Co vs R H Weeks, Weeks Const Co.....	\$165
May 24, 1930—1121 SUNNYHILLS Road, Oakland. Tilden Lumber & Mill Co vs J A Sinclair, Jr, Hugh E Williams.....	\$34.35
May 24, 1930—LOTS 28 and 29, Crocker Oaks, Oakland and Piedmont. Malott & Peterson vs A Leslie Oliver.....	\$1242
May 24, 1930—PTN PLOT 21, map of the Ranchos of Vincente and Domingo Peralta, Oakland. Pacific Coast Aggregates, Inc, \$7424.66, T P Hogan Co, \$14350.00, Melrose Bldg Materials Co, \$3169.25 vs Albert and Emily Kroll.....	

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
May 21, 1930—SE LINE FOURTH Ave 152-6 SW of E 16th St, Oakland. Grinnell Company of the Pacific to C A and Emily B Crist, J E Burns.....	\$615.81
May 23, 1930—LOTS 21 and 22 BLK 17, map No 8 of Regents Park, Albany. H C Hunter to Arthur E and Alfride Troiel.....	\$234.34
May 22, 1930—LOT 159, Arbor Villa, Oakland. H E Sawyer to Thomas and Susan Pimm.....	\$627
May 24, 1930—LOT 104, Oak Park Tract, Oakland. Maxwell Hardware Co to K J Henning, George Auer.....	\$155.97
May 24, 1930—161 INDIAN ROAD, Piedmont. George J Maurer to Lorine L Abbott aka L L Abbott aka Mrs G D Abbott, Jr, G D Abbott, Jr.....	\$4396.85
May 23, 1930—PTN LOT 1 BLK A, amended map of Lorin Heights Tract, Berkeley. Ellie J Hunter to Jessie G Nutting, Forrest O Brenner.....	\$6440
May 24, 1930—LOT 104, Oak Park Tract, Oakland. Berkeley Building Materials Co to George Auer, K J Henning, N Lena, J A Fazio.....	\$2054.50

BUILDING CONTRACTS

SAN MATEO COUNTY

AUDITORIUM
LOTS 2 AND 3 Tract 3, Greer Lands Woodside. All brick work on auditorium.
Owner—Whittell Realty Co, 166 Geary St., San Francisco.
Architect—Andrew H. Knoll, Hearst Bldg., San Francisco.
Contractor—Charles E. Mills, 940 College Ave., Palo Alto.
Filed May 20, '30. Dated May 15, '30.
Progressive payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$4870

Bond, \$4800. Surety, Fidelity & Casualty Co. of N. Y. Limit, 40 working days. Forfeit, none. Plans and specifications filed.

CHURCH
LOTS 1, 2 AND 3 BLK 6, Burlingame Terrace. All work except painting and lighting fixtures for frame and stucco church.
Owner—San Francisco Bay Cities Baptist Union.
Architect—Willis Polk & Co., 277 Pine St., San Francisco.
Contractor—C. H. Bessitt Bldg. Co., Elinora Dr. & Woodside Heights, Burlingame.
Filed May 14, '30. Dated April 16, '30.
Progressive payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$48,922

Bonds (2) \$24,000 each. Surety, Continental Casualty Co. Limit, Nov. 1, 1930. Forfeit, none. Plans and specifications filed.

BUNGALOW
BURLINGAME. All work for frame and stucco bungalow.
Owner—David Houle, 162 Grand St., Redwood.
Architect—None.
Contractor—William Kappler.
Filed May 15, '30. Dated May 7, '30.
Rafters up..... \$1000
Brown coated..... 1000
Completed..... 1000
Usual 35 days..... 1000
TOTAL COST, \$4000

Bond, none. Limit, Aug. 7, 1930.
Forfeit, none. Plans and specifications filed.

RESIDENCE
LOT 18 BLK 5, Burlingame Hills. All work for frame residence and garage.
Owner—Arthur H. Nobis et al, 133 Magellan St., San Francisco.
Architect—None.
Contractor—G. W. Williams Co., 2307 Adeline St., Burlingame.
Filed May 20, '30. Dated May 16, '30.
Roof on..... \$1868.75
Plastered..... 1868.75
Completed..... 1868.75
Usual 55 days..... 1868.75
TOTAL COST, \$7475.00

Bond, none. Limit, 80 working days.
Forfeit, \$2. Plans and specifications, none.

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

RESIDENCE
LOCATION OMITTED. All work for residence.
Owner—Mrs. Margurite Hansen.
Architect—H. A. Schoening et al, 235 Third Ave., San Mateo.
Contractor—Frank M. Cavanagh, 315 Highland St., San Mateo.
Filed May 17, '30. Dated May 16, '30.
Roof on 1/4
Plastered 1/4
Completed 1/4
Usual 35 days 1/4
TOTAL COST, \$10,132
Bond, none. Limit, 30 working days.
Forfeit, plans and specifications, none.

BUILDING PERMITS

SAN MATEO

BUNGALOW, \$5500; Lot 2 Blk H, 16th Ave.; owner, Matt. Bolgen; contractor, Geo. H. Hansell.
RESIDENCE, \$7500; Lot 5, Blk 18, Kentucky; owner and builder, Lengfeld & Olund, 145 El Camino Real, San Mateo.
ADDITION, \$2000; Lot 3 El Camino Real; owner, R. Rose, 1104 S El Camino Real, San Mateo; contractor, C. E. Fowler, 829 Edgehill Drive, Burlingame.
BUNGALOW and garage, \$3500; Lot 4 Blk 4, Isabelle Ave.; owner and contractor, Geo. A. Warrall.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
May 14, 1930—LOT 7 BLK 1, Nelson Park, San Mateo.	Pearl Stewart to whom it may concern
May 15, 1930—LOTS 8 AND 9 BLK C, Baywood. Gordon C. Hest to Buschke & Johnson.	May 12, 1930
May 16, 1930—PART LOT 163, San Mateo City Homestead. Phillips Fager to E D Soward.	May 12, 1930
May 16, 1930—PART LOTS 164, 165, 166 and 167, Menlo.	John T. Abel to A B Allen.
May 17, 1930—LOT 14 BLK 27, Vista Grande.	M F Brass to whom it may concern.
May 19, 1930—LOT 46 BLK 7, Stanford Park No. 2, San Mateo.	Myron F Palmer to Myron F Palmer.
May 19, 1930—LOT 1 BLK 80, San Mateo Park. Allan McIntyre to whom it may concern.	May 12, 1930
May 19, 1930—PART LOTS 14 AND 15 Blk 6, East San Mateo.	Ben Stauffer to J H Clifford.
May 19, 1930—PART LOT 1 BLK 14 Stanford Park. Nora Martin to Chas H Smith.	May 19, 1930
May 20, 1930—LOT 11 BLK 20, Muirbrae Highlands. Leo O Kettlewell et al to whom it may concern.	May 19, 1930
May 20, 1930—LOT 25 BLK 5, Woodside Glens. Alexander Beckman to whom it may concern.	May 16, 1930
May 21, 1930—LOTS 2, 3, 4 & 6 to 25 Inclusive Blk 59, Santa Ynez.	Albert H Elliot et al to S Ymada.
May 21, 1930—LOTS 8, 9, 10 and 11 and Part Lot 7 Blk 19, Woodland Place, San Mateo.	Ray A Smith et al to Ray A Smith.
May 21, 1930—EAGLE HILL TRACT Redwood City. Ernest Watson to whom it may concern.	May 20, 1930
May 21, 1930—LOT 3, San Mateo City Homestead. Edward W Daniels to whom it may concern.	May 19, 1930
May 21, 1930—LOT 1 BLK 33, Belmont. Davenport Realty Co to	

whom it may concern.	May 20, 1930
May 22, 1930—LOT A, Central Park San Mateo. Edward Davis to whom it may concern.	May 20, 1930
May 22, 1930—LOT 1 BLK 1, Burlingame Park. St. Paul's Episcopal Church to George McLeod.	May 1, 1930
May 23, 1930—LOT 10 BLK 7, San Carlos.	Harry Blendes to L A Blecher.
May 23, 1930—LOT 90 Husing Sub San Mateo. J E Bale to whom it may concern.	May 23, 1930
May 23, 1930—LOT 8 BLK 3, Jefferson Park; Lot 11 Blk 2, Jefferson Park; San Mateo. Castle Bldg Co to Henry Horn (2 completions).	May 21, 1930
May 23, 1930—LOTS 27, 28 AND 29 Johnson Sub., San Mateo. F W McKannay to Harry W Arnold.	May 17, 1930
May 23, 1930—LOT 62, Burlingame Gate. Harry B Allen, Inc. to D B Gladstone.	May 1, 1930
May 30, 1930—LOT 3, Hillsborough Terrace. Oscar L Cavanagh to whom it may concern.	May 19, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Accepted
May 14, 1930—LOT 9 BLK 13, Bay View Heights, San Mateo.	J H Early vs C F Magne et al.
May 15, 1930—LOTS 3 AND 4 BLK 9, Burlingame Land Co.	H Vujevich vs James K Moore.
May 15, 1930—LOT 9 BLK 13, Bayview Heights, San Mateo.	Sunset Lumber Co vs Chas F Magne et al.
May 20, 1930—LOTS 7 AND 8 BLK 10, San Bruno.	San Carlos Lumber Co vs Attilia Maracek.
May 21, 1930—LOT 8 BLK 10, San Bruno.	William C Pauli vs Tillie Maracek et al.
May 23, 1930—LOTS 4 AND 5 SEC 19 T 8 E R 4 S, San Mateo.	Wm Charles Taaffe vs R H Bratherton et al.
May 23, 1930—LOT 10 BLK 14, Schwerin Addition, San Mateo.	George H Wood vs Milton H Denike et al.
May 30, 1930—LOT 1 BLK 22, Belmont.	M Cagnocci Bros vs M J McKillip et al.

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
May 16, 1930—PART BLK 11, Burlingame. Wisnom Lumber Co.	\$1564.40; Chicago Lumber Co. \$—; Rex Gritzmaker. \$—; C S Howard. \$—; Malott & Peterson \$10 to J C Cummings.
May 21, 1930—LOT 21 BLK 3, Ravensdown. Gray Thorning Lumber Co to whom it may concern.	
May 22, 1930—LOCATION NOT Given. Malott & Peterson to whom it may concern.	\$10
May 23, 1930—LOCATION NOT Given. San Mateo Feed & Fuel Co and Chas F Munster to J C Cummings.	

BUILDING PERMITS

SAN JOSE

RESIDENCE, 8-room frame, \$10,000; Chapman near McKendrie; owner and builder, Clyde Alexander, 1287 University Ave., San Jose.
ALTER frame residence, \$2000; 569 N 12th St.; owner, Frank Caucella.

569 N 12th St., San Jose; contractor, Sol Guardino, 815 N 14th St., San Jose.
ALTER class C business bldg., \$4,000; 195 S 1st St.; owner, Hermann's, Inc., Ltd., San Francisco; architect, Leo Roselyn, 2800 20th St., San Francisco; contractor, American Woodworking Corp., 2800 20th St., San Francisco.
ALTER class C business bldg., \$3,000; Market and San Carlos; owner, Genovesi Bros., 300 S Market St., San Jose; contractor, Megna and Newell, Bank of Italy Bldg., San Jose.
ADDITION to class C industrial plant, \$3000; 603 W Julian St.; owner, Union Ice Co., 603 W Julian St., San Jose; plans by owner.
ALTERATION to frame residence, \$1,750; 1191 Hedding St.; owner, L. W. Clark, 1191 Hedding St., San Jose.
RESIDENCE, frame duplex, \$5,000; Morlan near Santa Clara; owner and builder, H. N. Traxler, 685 Elm St., San Jose.
RESIDENCE, 5-room frame, \$2,000; Hamline and Chestnut; owner, E. F. Hall, 819 Myrtle St., San Jose; contractor, H. Hevrin, 819 Myrtle St., San Jose.

BUILDING PERMITS

BURLINGAME

RESIDENCE, \$10,132; Lots 19 and 18 Blk 2, Barriobello; owner, Mrs. M. Hanson; contractor, T. C. Cavanagh.
CHURCH, \$49,000; Lots 1, 2, and 3 Blk 6 B T; owner, 1st Baptist Church; contractor, C. H. Bessett, 826 Walnut, Burlingame.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$4000 No. 383 College Ave., Palo Alto; owner, Erick Erickson.

BUILDING PERMITS

STOCKTON

GOLF Course, miniature, \$4000; 609 E Main St.; owner, A. B. Lang and A. Levmsky, Telegraph Road, Stockton.
RESIDENCE and garage, \$9000; 1020 N Orange St. owner, J. G. Gardbald, 337 N Sutter St., Stockton; contractor, H. Johnson, 1229 West Magnolia St., Stockton.
SOFT Drink stand, \$1000; 1932 Pacific Ave.; owner, O. A. McCarty, 116 W Maple, Stockton.
SERVICE Station, \$5000; 5 W Harding Way; owner, Scottish Rite Bodies, premises.
ADD new unit to hospital, \$45,000; Lincoln and Magnolia; owner Dameron Hospital, premises; contractor, O. H. Chain, Bank of America Bldg., Stockton.

BUILDING CONTRACTS

MONTELEY COUNTY

STORE BLDG.
GONZALEZ. All work for store building.
Owner—Sneible-Tavernetti Co., Alt St., Gonzales.
Architect—Swartz & Ryland, Spazie Bldg., Monterey.
Contractor—Hugh W. Comstock, F Paseo Bldg., Carmel.
Filed May 20, '30. Dated May 16, '30.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$12,300
Bond, none. Limit, on or before August 15, 1930. Forfeit, none. Plan and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded
 May 6, 1930—ALMADEN UNION Grammar School. Board of Trustees of Almaden Union Grammar School District to whom it may concern(heating and ventilating system).....April 19, 1930
 May 7, 1930—LOT 39, Fuller Tract No. 3, Sunnyvale. Joseph Valverde et al to whom it may concern.....May 6, 1930
 May 7, 1930—LOTS 49 AND 50 BLK 3, Vendome Park, San Jose. Jos Guinta et al to whom it may concern.....May 6, 1930
 May 9, 1930—PTN LOT 42, Lyndale Subd. San Jose. John F Deutsch to whom it may concern.....May 9, '30
 May 9, 1930—LOT 46, Colonial Manor, San Jose. Ruth Colcolough et al to whom it may concern.....May 8, 1930
 May 12, 1930—PART LOT 12 BLK 5, Mt. Hamilton View Park. J P Henry to whom it may concern.....May 12, 1930
 May 12, 1930—LOT 18 BLK 2, Restwood Park No. 1, San Jose. Thos Carpenter to whom it may concern.....May 12, 1930
 May 12, 1930—X WILLOW ST, and W line 1.55 ac tract of Standard Realty & Development Co. San Jose. E J Faltersack to whom it may concern.....May 12, 1930
 May 12, 1930—E SEVENTEENTH St. 45 10/12 N Empire St., San Jose. A M Elliott et al to whom it may concern.....May 8, 1930
 May 12, 1930—LOT 11 BLK 1, Restwood Park No. 1, San Jose. Ormal W Dodd et al to whom it may concern.....May 6, 1930
 May 12, 1930—LOT 17, Santana Subd., San Jose. Carl V Beard et al to whom it may concern.....May 12, 1930
 May 12, 1930—S. F. AND S. J. RD 451.45 SE Charleston Rd, San Jose. II A Spearin to whom it may concern.....May 10, 1930
 May 12, 1930—SW WAVERLY 100 SE Hawthorne Ave SE 50xSW 100 Ptn Blk 18, Palo Alto. Ella Cummings to whom it may concern.....May 10, 1930
 May 13, 1930—LOT 25 Beyerley Tct San Jose. M A Urstadt et al.....May 13, 1930
 May 13, 1930—LOTS 10 & 15 BLK 129, Crescent Park No. 2, Palo Alto. Howard L Gray to whom it may concern.....May 12, 1930
 May 13, 1930—NE 23.30 FT. LOT 8 and SW 76.70 ft. Lot 7 Blk 115, Crescent Park, Palo Alto. Geo H Freeer to whom it may concern.....May 9, 1930
 May 14, 1930—LOT 8, Alfred Jones Addition, San Jose. Joe Muzzio et al to whom it may concern.....May 12, 1930
 May 15, 1930—W 36 FT. LOT 24, Campen Subd., San Jose. Alice N Rawlings to whom it may concern.....May 13, 1930
 May 16, 1930—LOT 7 BLK 18, Los Altos No. 2. Roy S Frothingham et al to whom it may concern.....May 16, 1930
 May 16, 1930—LOT 9 BLK 1, San Jose Park Tract, San Jose. Hilma Johnson to whom it may concern.....May 16, 1930
 May 16, 1930—LOTS 21 & 22, Sierra Vista Addition No. 2, San Jose. James H Panagopoulos to whom it may concern.....May 15, 1930
 May 16, 1930—N 100 FT. LOT 13 Blk 6, Alba Park Addition, Palo Alto. Frederick F Baller et al to whom it may concern.....May 15, 1930
 May 16, 1930—NW SEALE AVE &

NE Waverly St. NW 75x100 Pt. Lots 23 and 24 Blk 22, Seale Addition, Palo Alto. Katherine C Bodley to whom it may concern.....May 10, 1930

My 17, 1930—LOT 3 BLK 2, Kleiser Tract, San Jose. Italia Marconi et al to whom it may concern.....May 16, 1930
 May 17, 1930—N 40 FT. LOT 8 BLK 9 R 3 W Mace's SW Addition, San Jose. Anna Schafani et al to whom it may concern.....May 17, '30
 May 17, 1930—LOT 6 BLK 1, Lincoln Gates, San Jose. Charles W Lannin to whom it may concern.....May 17, 1930
 May 17, 1930—LOT 3 BLK 48, Seale Addition No. 2, Palo Alto. Lena Harold to whom it may concern.....May 16, 1930
 May 17, 1930—LOT 215 BLK Q, Redwood Estates, San Jose. A H Yatshmenoff et al to whom it may concern.....May 16, 1930
 May 17, 1930—LOT 5 BLK 4, Mt. Hamilton View Park, San Jose. H N Traxler to whom it may concern.....May 17, 1930
 May 20, 1930—PART LOT 9 Tsp 8 R 2 W, San Jose. Nat Schinulowitz to whom it may concern (concrete work).....May 17, 1930
 May 20, 1930—LOT 41, Colonial Manor, San Jose. William H O'Neil to whom it may concern.....May 19, 1930
 May 20, 1930—LOT 43, Colonial Manor, San Jose. Wm H O'Neil to whom it may concern.....May 19, 1930
 May 20, 1930—LOT 32, Santana Sub San Jose. Ira Brotzman to whom it may concern.....May 20, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded
 May 7, 1930—LOT 145 BLK A, Redwood Estates, San Jose. Conover Lbr Co vs J J Boh.....\$12.51
 May 19, 1930—21.50 AC ON SE Pacheco Pass Rd and Canada Rd Hubbard & Carmichael Bros, \$182.95; W J Porter Estate, \$325.73; James S Simpson, \$482 vs Fiori Silacci.....May 19, 1930
 May 19, 1930—REAR 1/2 LOT 145 Blk A, Redwood Estates. Norton-PHELPS Lumber Co vs Margaret B Bobb et al\$262.37

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded
 May 8, 1930—LOT 22 Veuve Lagrue Tract, San Jose. Alfred Bowen, \$321.27; Tilden Lumber & Mill Co \$441.92 to Angelo Cuiigliano.....

COMPLETION NOTICES

MARIN COUNTY

Recorded
 May 20, 1930—SAN RAFAEL Carrie Nielsen to whom it may concern.....May 20, 1930
 May 21, 1930—SAN ANSELMO. Frank Main and wife to M Liaggi.....May 20, 1930

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded
 May 23, 1930—E 1/2 LOT 75 Parker Villas Subdivision, Stockton. John D Clarkson to Johnson Bros.....May 17, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded
 May 22, 1930—LOCATION OMITTED. J C McIntosh doing business as Electric Planing Mill vs M J Acuna, Pascual, Lara, Fidel, Charles, Fred, Louis, E Tavella and S Gaviglio\$57.50
 May 22, 1930—PTN NW 1/4 SEC 9, Twp 3 South, Range 5 East. Good Lumber Co vs Eleonora Dompe.....\$463.05

LIENS FILED

MONTEREY COUNTY

Recorded
 May 21, 1930—LOTS 2 AND 4 BLK 109, Third Addition to Pacific Grove Retreat. Everett King vs Harry and Camilla Leach and Logan Young\$43

COMPLETION NOTICES

SONOMA COUNTY

Recorded
 May 22, 1930—FARM 286, Santa Rosa Farms Subd No. 2. Paul Mecchi to W F Bohm.....May 20, 1930
 May 24, 1930—LOT 1 BLK A, Map of East Guernewood No. 1. H B Fuller to W J Smith.....May 20, 1930

BUILDING PERMITS

SACRAMENTO

RESTAURANT, \$25,000; 2301 Stockton Blvd.; owner, State of California, 11th and P Sts., Sacramento; contractor, Guth & Fox, 1520 27th St., Sacramento.
 RESIDENCE, 6-room, \$6257; 4331 I St.; owner, Chas. E. Grosch, 3515 Curtis Park Drive, Sacramento; contractor, Frank Richards, Hagginwood, Sacramento.
 RESIDENCE, 5-room, \$3500; 817 38th St.; owner, Mrs. Emma Gro, 625 35th St., Sacramento; contractor, Guth & Fox, 1520 27th St., Sacto.
 RESIDENCE, 6-room, \$4000; 2949 2nd Ave.; owner O. H. Moore 2918 35th St., Sacramento; contractor, B. H. Ell, 3254 Marshall St., Sacramento
 RESIDENCE, 7-room, \$5000; 1525 37th St.; owner, J. F. Plerlin, 13th and R Sts., Sacramento; contractor, G. L. Danger.
 RESIDENCE, 6-room, \$4000; 1644 Bidwell Way; owner, Joseph Edenhof-fer, 3032 17th St., Sacramento.

LIENS FILED

SACRAMENTO COUNTY

Recorded
 May 20, 1930—LOT 1, I, J, 5th and 6th Sts, known as 504 J St, Sacramento. E Darter vs Morris Levy.....\$263.30

BUILDING PERMITS

FRESNO

PRODUCE house, \$2300; No. 1000 C St., Fresno; owner, Chong Jan Co, 1219 Tulare St., Fresno; contractor, E. J. Farr & Son, 1296 Linden St., Fresno.
 DWELLING, \$5000; No. 3166 Huntington Blvd., Fresno; owner, Fresno Home Builders.
 DWELLING, \$4000; 904 Adeline St.; owner, Dill Delbert.

COMPLETION NOTICES

FRESNO COUNTY

Recorded	Accepted
May 22, 1930—LOTS 7, AND 8 BLK 5, Sierra Vista Addition, Fresno.	Walter Jarvis to whom it may concern.....May 21, 1930
May 22, 1930—S 1/2 LOT 22, Easterly "Ranch", Fresno. F J Harkness to Roy Martin.....May 20, 1930	
May 20, 1930—LOTS 13 and 20 BLK 2 German Addn, Fresno. R Wolpert to Adam Haas.....May 15, 1930	
May 21, 1930—LOT 1 BLK 51, Fresno. L M Schwartz to E W Tribble.....May 10, 1930	

LIENS FILED

FRESNO COUNTY

Recorded	Amount
May 24, 1930—SECTION 33 S 1/2 OF Section 25 N 1/2 OF NE 1/4, E 1/2 of NW 1/4 of Section 32, 14-26, Fresno. W R Spalding Lumber Co vs Melvin T and Alice J Crew.....\$672	
May 21, 1930—LOTS 27 and 28 BLK 32, Coalinga. Coalinga Kettleman Lumber Co vs J M McIntyre and Melvin Green.....\$53	

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on June 18, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Tehama and Shasta Counties, between one mile south of Cottonwood and Cottonwood (II-Teh-Sha-3-C-A), an undergrade crossing consisting of two (2) reinforced concrete abutments and a ballasted sub-floor to be constructed and about nine-tenths (0.9) mile of roadway to be graded and paved with Portland cement concrete.

Placer County, an undergrade crossing under the tracks of the Southern Pacific Railroad near Emigrant Gap (III-Pla-37-E), consisting of two concrete abutments with wing walls and grading and surfacing the roadway between the abutments with crusher run base and untreated crushed gravel or stone surfacing.

Sanita Cruz County, between Waterman Switch-back and Saratoga Gap (IV-SCR-42-A), about two and six-tenths (2.6) miles in length, to be graded and surfaced with bituminous treated waterbound macadam.

San Joaquin County, between Houston School and Forest Lake (X-S-J-4-D), about three and three-tenths (3.3) miles in length, to be graded and widened with Portland cement concrete and crusher run base.

San Joaquin County, between French Camp and Stockton (X-S-J-5-B), about one and eight-tenths (1.8) miles in length, to be graded and surfaced with crushed gravel or stone.

Proposal forms will be issued to only those Contractors who have furnished verified statement of ex-

perience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineer's offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

Dated May 21, 1930.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock, P. M., on June 11, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made of portions of State Highway, as follows:

Nevada County, a reinforced concrete girder bridge across South Fork of Yuba River near Indian Springs (III-Nev-37-A), consisting of one 70-foot and one 30-foot span on a concrete pier and concrete abutments with wing walls.

Nevada County, an overhead crossing over the tracks of the Southern Pacific Railroad near Yuba Pass (III-Nev-37-A), consisting of one 112-foot deck plate girder span, one 66-foot deck plate girder span, one 54-foot deck plate girder span, all on concrete piers and 279 lineal feet of timber trestle approach on framed bents and rubble masonry abutments.

Sanita Clara County, between Antonio Avenue and Sunnyvale (IV-SC1-2-A), about four and nine-tenths (4.9) miles in length, to be graded and paved with Portland cement concrete and asphalt concrete.

Sanita Barbara and San Luis Obispo Counties, between Third Crossing and the Easterly Boundary (V-S-B, SLO-

57-C-D,C), about twenty-six and two-tenths (26.2) miles in length, to be graded and surfaced with oil treated crushed gravel or stone.

Los Angeles County, between Citrus Avenue and Glendora (VII-LA-9-H), about one (1.0) mile in length, to be graded and paved with asphalt concrete.

Amador and El Dorado Counties, a timber bridge across Cosumnes River about 10 miles south of El Dorado (X-Ama-E-D-65-A,C), consisting of one 120-foot through truss span on concrete piers and nine 13-foot approach spans on frame bents with concrete pedestals, and approximately 0.14 mile of roadway to be graded and surfaced with untreated crushed gravel or stone.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino, and Bishop.

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The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

Dated May 14, 1930.

BRITISH COLUMBIA LUMBER EXPORTS TO U. S. DECREASE

Exports of lumber, logs, and shingles from British Columbia to the United States decreased, while exports of poles increased in April, 1930, as compared with April, 1929, according to a report from Consul General Ely E. Palmer, Vancouver, to the Lumber Division of the Department of Commerce.

Figures presented by Mr. Palmer show that the lumber exports in April, 1930, totaled 49,729,000 as compared with 51,133,000 board feet in April, 1929; log exports, 7223 as compared with 22,378 board feet; shingle exports, 11,231 as compared with 201,730; and pole exports, 1,429,760 as compared with 1,060,534 lineal feet.

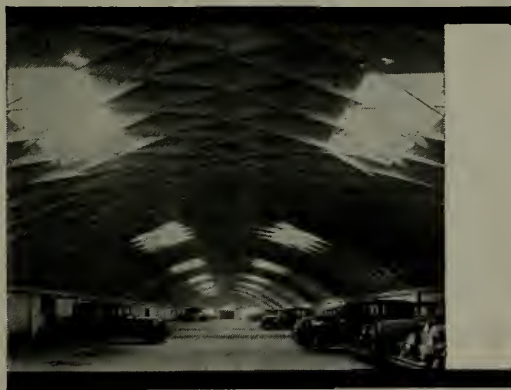
Lumber shipments from the Vancouver consular district to the United States, during April, 1930, totaled 32,915,000 board feet as compared with shipments of 39,062,000 board feet in April, 1929, and 32,137,000 board feet in March, 1930. Shipments of shingles to the United States from this district totaled 102,627,000 a decrease of 88,111,000 as compared with shipments for April, 1929, which totaled 190,733,000. Exports of shingles to the United States in March, 1930, totaled 100,518,000.

BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., JUNE 7, 1930

Thirtieth Year No. 23
Published Every Saturday



**LAMELLA
TRUSSLESS
ROOFS**

The Trussless
Roof Co.

402 BUILDERS'
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., JUNE 7, 1930

Thirtieth Year No. 23

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone Garfield 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

RICHMOND COUNCIL ADOPTS UNIFORM CODE

The uniform building code, now in effect in more than 75 cities and approved by the League of California Municipalities, has been given first reading by the Richmond City Council.

The new code is quite similar to the one that has been in effect in Richmond, but provides for engineering standards, clearances and opening similar to those in effect in other cities, according to City Building Inspector A. J. Hurley. Hurley said the new ordinance would eliminate confusion that sometimes had existed in the past due to differences between the Richmond ordinance and the regulations of neighboring cities.

A new plumbing ordinance, sponsored by the Richmond Plumbers Association has also passed first reading.

According to City Plumbing Inspector C. S. Ford, the new ordinance does not materially change the former regulations, but provides for payment of licenses quarterly instead of annually. The annual license remains at \$100. The new ordinance is said to be similar to that in effect in Oakland.

ENGINEERS FAIL TO ENDORSE FILTRATION BOND ISSUE

Sacramento Section, American Society of Civil Engineers, has adopted a resolution in which it declined to endorse the \$450,000 bond issue for addition to the city filtration plant until the city council determines upon a definite policy regarding a permanent water supply for Sacramento. The bond issue will be voted upon June 10.

Fred Grumm, engineer in charge of survey, with the California State Highway Commission, presented the resolution. The resolution was seconded by C. S. Pope, construction engineer for the state division of highways.

The matter was brought before the section two weeks ago, after City Manager James S. Dean had requested the section president, Thos. H. Stanton, to present the matter to the body of engineers for the purpose of obtaining their endorsement.

At that time the question was referred to the section's committee on public relations, of which Joseph Gross is chairman, and the report of that committee was substantially the same as the sentiment expressed in the resolution.

The resolution follows: "Resolved, That pending the determination by the city council of a definite policy with respect to a permanent water supply for the City of Sacramento, the Sacramento section of the American Society of Civil Engineers prefers not to endorse any proposal to vote bonds for additional construction at the existing filtration plant."

The adoption was by acclamation, and there were no negative votes.

S. F. BUILDING IN MAY REGISTERS \$2,881,110

Building construction in San Francisco for the month of May, based on the number of building permits issued by the Department of Public Works, involved an expenditure of \$2,881,110 bringing the total operations for the past five months to \$10,316,120.

During the month 570 permits were issued as compared with 765 permits in May, 1929, when the expenditure registered \$4,307,352.

The activities of the past month include a project for the State Harbor Commission calling for an expenditure of \$375,000.

Following is a segregated report of May, 1930, activities as compiled by the Department of Public Works:

Class	No. of Permits	Est. Cost
A	2	\$ 307,850
B	2	77,000
C	13	294,200
Frames	136	725,405
Alterations	415	329,668
Public Bldgs.	1	571,977
Harbor Bldg.	1	575,000
TOTAL	570	\$2,881,110

STATE BUILDINGS 'DEPLORABLE' SAYS FIRE MARSHAL

According to a United Press dispatch, J. W. Stevens, state fire marshal, in addressing 100 members of the Contra Costa County Firemen's Association in Richmond, issued the warning that California had best put its houses in order to avert a holocaust worse than the recent Columbus, Ohio, prison fire.

"There are several state institutions, notably the State Hospital at Stockton," Stevens said, where, should fire break out, a catastrophe would occur that would dwarf the Ohio fire, where 320 prisoners were cremated.

"In one building at the Stockton institution, an antiquated 4-story frame structure, conditions created by barred windows, a building-height stairwell and elevator shaft would conspire to imprison 1,000 women without a hope of exit, should fire break out on a lower floor in their sleep or at a time when they are gathered on the upper floors.

"To the credit of the state administration, it must be said that they are working to rectify these conditions. The prison board had recommended a program of building which will make the institutions fireproof.

"But the program is scheduled over a period of years, and fire peril does not wait for budgets to mature."

The California supreme court has affirmed an order of the state railroad commission requiring the Southern Pacific, Santa Fe and Los Angeles and Salt Lake railroads to construct a union passenger station in the city of Los Angeles at an estimated cost of \$10,000,000.

NAT'L ENGINEERING INSPECTION ASSOCIATION IS PERFECTED

In December last, a group of inspecting engineers and representatives of testing laboratories from all sections of the country met in Detroit, Michigan, and formed a preliminary organization among those engaged in the practice of testing and supervising the manufacture and use of various engineering materials for construction work of Federal, State and City governments; public service corporations; railroad and highway construction and maintenance; bridges; office, manufacturing, educational and other building projects.

At a second meeting held April 3 and 4, also at Detroit, the success of the preliminary gathering was continued and there was finally concluded the formation of the National Engineering Inspection Association.

The officers elected were: Watson Vredenburgh, president of Hildreth & Co., Inc., New York City, as president; J. D. Stoddard, vice-president of the Detroit Testing Laboratory, as vice-president, and B. H. Witherspoon, president of the Pittsburgh Testing Laboratory as secretary-treasurer.

The Board of Directors include the officers and a representative from each of the four geographical sections of the country as follows: Henry Gulick, president of Gulick-Henderson Company, New York, for the Eastern Section; James H. Herron, president of James H. Herron Company, Cleveland, for the Mid-Western Section; F. B. Porter, president of the Southwestern Laboratories, Fort Worth, Texas, for the Southern Section; Abbot A. Hanks, president of Abbot A. Hanks, Inc., San Francisco, California for the Western Section.

The Association adopted complete construction and by-laws and code of ethics. The former states the object of the association is, "to promote a proper understanding and cooperation among those engaged in and concerned with engineering inspection; to establish practices which will prove beneficial to proper service and to develop and encourage better and more effective inspection methods." Provisions are made also for constant supervision of the affairs of the association by the officers and Board of Directors as well as arrangements for semi-yearly general meetings.

The charter membership consists of individuals, partnerships and corporations about equally divided between the four sections of the country and an indication of a number of additional memberships at an early date.

WINDOWLESS FACTORIES

Windowless factories as the standard form of design within 20 years were predicted by Dr. E. E. Free before a meeting of engineers in New York. The meeting was the second annual illuminating conference, at the Westinghouse Lighting Institute. Dr. Free said artificial light is more dependable than daylight and easier on the eyes of the workers.

NEW UNIFORM METHOD OF ASSESSMENT PROCEDURE HELD INADVISABLE BY L. A. ATTORNEY

(By George W. Crouch, Los Angeles Attorney)

Address on "Uniform Methods of Procedure in Relation to Public Improvements," delivered before the University of Southern California, Los Angeles. Mr. Crouch is a member of the firm of Crouch and Crouch, attorneys, Los Angeles.

Public improvements are usually accomplished through the employment of one of the following methods:

First: By the municipality from general taxation moneys on hand.

Second: From money derived from the sale of a general bond issue voted by the people, as provided by the Constitution, and

Third: Through the medium of special assessments.

It is only with regard to special assessments that occasion arises to discuss uniform methods of procedure. A special assessment, as distinguished from a tax, is a special and local charge upon property in the immediate vicinity of municipal improvements, predicated upon the theory of equivalent benefits from such improvement, and levied upon the land specially benefited. Nevertheless, in reality it is a tax and derives its authority from the taxing power of the government.

It is within the power of the Legislature to prescribe various methods in apportioning the amount of the benefit or tax. Sometimes it is delegated to the municipality to apportion according to benefit. Again, it may be on the ad valorem principle; that is, according to the assessed value of the property owner to pay for all improvements in that is, according to the respective number of front feet of property on the improved street. It may be on the basis of square feet, and, in some cases, requiring the property owner to pay for all improvements in front of his land.

Creating Assessment Districts

Under the usual practice, an assessment district is created by the municipality after notice by publication of the work or improvement proposed to be done or acquired, and the extent of the district to be assessed, and a hearing accorded persons in interest. Sometimes the property in the district, as under the Acquisition and Improvement Act of 1925, is zoned, so that each portion of the district may in advance determine the relative amount of the debt they will ultimately be called upon to pay.

Granting that the object of the tax is a matter which can properly be made the subject of a special assessment, then the constitutional provision of due process of law is ordinarily complied with if the parties to bear the burden have a right to be heard as to the assessment before the lien becomes final on their property.

It is no objection to the application of a special assessment law that the public also receives a benefit for the improvement, because every such improvement is for a public purpose. The test is, does there exist, as against the property in the vicinity of the improvement, a distinct and peculiar benefit and, if so, then the imposition of a special assessment is ordinarily justified.

Question of Procedure

There are many different kinds of improvements the proper subject of special assessment, and these powers are constantly being enlarged by the Legislature. In discussing this subject it becomes important, therefore,

to consider whether a procedure proper to be applied in providing a new road and assessing the cost of one kind of improvement would be properly applicable to another, or whether a tax, which in the nature of things would only be applied in a sparsely settled community, should be engrossed into a law intended to apply to every situation.

The things sought to be accomplished with relation to irrigation districts, reclamation districts and improvements of that nature differ in almost every respect from affairs concerning street work. Sometimes, indeed, it becomes necessary to provide for the continued maintenance of public improvements, and, of course, a different method of apportioning benefits is resorted to. Moreover, conditions are constantly changing, and special powers and restrictions, applicable to each particular situation must from time to time be added by legislative amendment. These Acts run into the hundreds and cover almost every conceivable public purpose wherein property in the neighborhood received a special and peculiar benefit from the undertaking.

Laws for Different Purposes

This still leaves unanswered the question as to whether a uniform procedure would be desirable with relation to the so-called "street improvement" laws. The law most commonly used is the "Improvement Act of 1911." This statute, like most of the others, contains powers having no relation to street improvement, such as wells and reservoirs for the supply and storage of water, the building of sewage disposal plants and the building of wharves.

It occasionally happens that a street is to be improved to such a grade that some property is damaged and other property is improved and it becomes necessary to determine and assess for damages as well as benefits, and for this purpose the authorities avail themselves of the provisions of Acts like the "Improvement Act of 1913." Again it may become necessary to acquire lands through the medium of a condemnation suit and at the same time install the work where resort is had to laws like the "Acquisition and Improvement Act of 1925." It might even be necessary to establish a permanent improvement district wherein powers are given with relation to the voting of general bonds pledging the credit of the district, coupled also with powers of special assessment. Combined with all this, the legislature will in one instance prescribe that the cost be levied on the basis of the assessed value of the property, and in another that it be determined on a theory as ascertained by the legislative body. Since therefore the necessities differ and the tax differs, the procedure must of course, differ.

Chartered Cities

The oldest municipal organization known to modern times was the chartered city. It was an outgrowth of the Feudal System. Formal charters of communities first appeared in about the Twelfth Century to the end that greater liberty and privileges might be insured for the people. The theory contended at the time was that local self-government is not a right granted by the central power, but a right inherent in the inhabitants of the community. They thus in Municipal affairs became independent of the Crown.

This doctrine in modified form has

long been the law of California with respect to chartered cities, and is contained in Section 6 of Article XI of the California Constitution.

The whole theory upon which our government is founded rests largely in the delegation of authority. Local self-government is the keynote of municipal organization. Local improvement procedure is but one branch of official duty incident to such government. Attempts to enforce uniform self-government in municipal affairs are not in harmony with the principles applying to chartered cities as long recognized by our organic law.

Some of the greatest writers upon municipal law have frequently declared that to attain the highest efficiency in administration a City should be a self-governing body, privileged to originate and administer such government functions as are expressive of the will of the people residing within the community. Why, then, should we attempt to lay down uniform procedure with relation to local improvement any more than we should attempt to prescribe the form of ordinances covering any other matter pertaining to the police power of a Municipality?

Nearly all of the large cities of this State are chartered cities, and to these cities special assessment powers are surrendered by virtue of their charters. Under the constitution these powers have been surrendered over any subsequent attempt at legislative amendment. In such cities, therefore, the legislature could not provide for a uniform procedure, even if it were meritorious.

Alternating Systems

It is true that there are a number of acts containing the same powers but under somewhat different methods of procedure, most frequently referred to as "alternate systems." One plan may be adopted for the needs of one community and be very unpopular in another part of the state where the people do not have the same problems to contend with. It is probably just as reasonable to presume that a state might well grant an alternate procedure in the exercise of similar powers as to expect that two states might enact divergent laws on the same subject matter designed to meet their individual requirements. At any rate, it seems to have stood the test of time, and practically every such law now enacted contains a provision that it is intended as a distinct and alternate plan and not to conflict with any other assessment law.

The tendency of legislation today is not to particularize procedure, but to pass only very broad general laws, and allow administrative bodies to work out details to suit their individual needs. The object, of course, of such a state law is to grant powers sufficiently elastic to fulfill the requirements of self-government, and yet sufficiently restricted to prevent their abuse by local legislative bodies. In principle, it does and ought to work something like this: The city authorities say to the property owners in any proposed improvement—"What sort of any assessment procedure will fulfill your particular wants?" The property owners confer with the financial institutions and ask—"What sort of security will supply your demand, and give to us the highest price?" The public of such community may then say to the Legislature—"Give us an assessment law that will accomplish these things for us." The Legislature

then considers it and, subject to constitutional provisions and such restrictions as they think are necessary to impose for the protection of the general public, enacts a law to fit the proper needs of the community. It may even be that only one section of the State will have any use for this law, but that is why we need new laws to fit the new situation and still continue to need the old law for other purposes.

Value of Tested Laws

The institution of the law, therefore, becomes a progressive science, and from time to time new powers are suggested, as well as the manner in which they should or ought to be exercised. If the laws already in force were amended or repealed to comprise these modifications, then they would not have the stability in the financial world that is so necessary to give the highest value to the bonds or security to be issued. In fact, the bond market might become practically stagnant until a final decision of the highest court were handed down covering all the material changes. This was true with relation to the Vrooman Act, The Improvement Act of 1911, The Improvement Act of 1913, the Road Improvement District Act, the Matton Act, and most of the other special assessment laws. Hence the legislature embraces radical modifications in new laws, rather than attempt to amend and perhaps injure the tried and true law already in force.

The Legislature in 1919 directed the legislative counsel to report a feasible and practical plan relating to the equitable distribution of the cost of local improvements. If that was intended to mean a uniform plan, then nothing noteworthy has been accomplished. In 1927 an attempt was made in the Legislature to provide a commission for the creation of uniform laws relating to assessment but it met with failure.

Uniform Procedure Inadvisable.

The author believes it to be the general consensus of opinion among at-

torneys, men of finance, and statesmen, who have carefully studied this question, that very little good would follow from attempts to consolidate such laws, and much harm might result. In short it is no more reasonable, and no more possible to successfully create a uniform method of assessment procedure, than it would be for a physician to prescribe a uniform treatment for tuberculosis or for the mining industry to suggest a uniform process for the reduction of metallic ores.

It is true that some reforms are needed, especially those which are calculated to give to the owner of property assessed ample notice in connection with the collection of taxes so that he will not be unnecessarily burdened with court costs, attorney's fees and penalties, and confronted with the possibility of losing valuable property on account of comparatively small assessment. Much good along this line could be accomplished if it were possible to have one central office in the county for the collection of all taxes and assessments. It would be a mistake to attempt to place too great restrictions upon the law of assessment because that would impede the progress of our community. People little realize how much Southern California in its development owes to the law of special assessments. Were it not for this, many of the beach resorts would still be but a waste of shifting sands. A sound municipal government using a wise discretion in the building of public improvements cannot be established by acts of the legislature. It rests more upon the wisdom of the people to elect competent and honest officials. The law makers should be warned against the inexperienced reformer who believes that he can by law establish a general panacea for all the ills of taxation through some uniform method of his own which probably does not agree with the reform method of any other reformer.

In other words, it may be another case of the successful operation of the physician, but the child died.

event of recovery against the property is held down to the reasonable value of the labor performed or materials furnished, and if the contract is for more than a reasonable value, then the lien will only protect the claim to the extent of the reasonable value.

As between the lien claimant and the contractor the lien claimant is entitled to the contract price regardless of the reasonable value but where the claimant wishes to subject property of innocent third parties to his claim of lien, he cannot impose upon the property a value greater than the reasonable value.

A contractor may recover upon a lien filed by the claimant only such amount as may be due him according to the terms of the contract after deducting all claims of other claimants for work done or materials furnished. The original contractor's claim is subject to the deductions due material men and sub-contractors.

Mechanics' liens are favored in law because the claimants have at least in part created the property on which the lien attaches. The California Civil Code of Procedure 1186 provides that such liens shall be prior to any hy liens, mortgages or other incumbrances which may have attached subsequent to the time in which the work, building or structure was commenced, work done, or materials were commenced to be furnished; also liens, mortgages or other incumbrances which the lien holder had no notice and which was not recorded at the time the building or work was commenced or materials were commenced to be furnished.

In other words the lien is prior to any mortgage, trust deed or other incumbrances which was not filed for record at the time the building or structure was commenced or any lien, mortgage, or incumbrance of which the claimant had no notice and which was unrecorded at the time the building or structure was commenced. Parties furnishing labor and/or materials may rely upon the records as kept in the County Recorder's Office showing the liens and incumbrances on the property. Any lien, mortgage or trust deed filed for record before the building is commenced is superior to any lien for labor and/or materials.

Lien claimants, however, may find that their claims of lien are subsequent to an unrecorded mortgage, trust deed or lien. It is not sufficient that lien claimants rely upon the liens, mortgages or trust deeds filed for record, but it is also necessary that the claimant have no knowledge of any unrecorded lien, trust deed or mortgage and if the claimant has knowledge of such an unrecorded instrument, the lien will be subsequent to the unrecorded instrument.

Purchasers take the property subject to liens which have attached thereto and persons dealing with the property during the progress of the work are charged with notice of the claims of mechanics' and material men who may file liens.

There is no priority between liens for labor and materials furnished. A lien for labor is not superior to a lien for materials. In its present form the law does not expressly prescribe the rank of the liens of various classes of claimants, but it would seem that the liens of contractors and sub-contractors are postponed to those of laborers or material men since any contractor is entitled to recover only such amount as may be due him after deducting the claims of other parties for work and materials furnished.

EFFECT OF FILING MECHANICS' LIENS DESCRIBED BY ATTORNEY

(By Harry C. Westover, Attorney-at-Law)

This is the tenth of a series of articles on the California Mechanics' Lien Law as prepared by Mr. Westover, attorney of Santa Ana, California.

One who furnishes labor and/or materials on a structure does not have a claim on the property until a lien has been filed. The Courts of California have held that until the lien is filed the right to file a lien is a mere inchoate right, and that the claimant may or may not perfect the lien as he sees fit.

In order to establish a valid lien certain steps must be taken by the lien claimant. First, these must be the furnishing of labor and/or materials which labor and/or materials must be used or consumed in the building or structure. Second, The claim must be filed with the County Recorder within the proper time in order to protect the claim for labor and/or materials furnished.

The lien is one of the very few instruments filed for record which is retroactive. As a general rule instruments filed of record encumber the property only from the date of filing. The right under the lien does not commence upon the day of filing, provided the lien is filed within the statutory period. The rights obtained

from the filing of the lien reverts back to the beginning of the building or structure, and intervening rights can not effect lien rights even though innocent third parties have obtained rights in the property prior to the filing of the claim of lien. The right under a lien may revert back six months or a year before the actual filing of the lien. In other words if a building is commenced on January 2nd, and is not completed until July 1st and a notice of completion is filed, liens filed in July will be reverted back to the commencement of the structure, that is January 2nd, and if innocent third parties have obtained any interest in the property between the time the building was commenced and completed such interests are subsequent to any lien filed with the statutory time.

The lien is as extensive as the claim which it is intended to protect and covers interest where the claimant is entitled to it. One may have a lien only for the amount due when suit is begun which may not in any case exceed the reasonable value of the labor done or materials furnished. Although liens may be based on the contract price as agreed to between the lien claimant and the contractor, nevertheless, the lien claimant in the

THE OBSERVER

What He Hears and Sees on His Rounds

The 1929-1930 State Licenses of all contractors and sub-contractors who come within the provisions of the Contractors' License Law, which has been operative in California since last August, expire on June 30. All such licensed contractors are required to apply for their 1930-1931 licenses not later than that date, James F. Collins, State Registrar of Contractors, announces.

Approximately 21,000 licenses have been issued by the Registrar since the inception of the law, and the Department of Professional and Vocational Standards, of which the section of contractors' registration is a part, now faces the task of renewing that many licenses and as many more as become registered during the remaining days of the present fiscal year, Collins says.

"It is obvious that, if every man in the construction industry who is now licensed and registered as a contractor, waits until the final day, June 30, to send in his application for the 1930-31 renewal of his license, the resulting congestion at the Sacramento offices would present a serious problem," Registrar Collins says. "We are urging every licensed contractor and sub-contractor to fill out his renewal application blank, sign it and send it to the Sacramento office, along with the \$5 annual fee as soon as possible. New licenses will be issued in the order in which these applications are received."

As original licenses were issued during the past year, there was furnished each licensee a renewal application blank. It is required only that these blanks be filled out and signed and sent to the Registrar of Contractors, Sacramento, California. Unlike the original application blank, the renewal blank does not require the services of a notary public, the Registrar pointed out. In the event that contractors have lost or mislaid their renewal blanks, new blanks may be obtained by writing to the Registrar at Sacramento, or by applying at the offices of the Building Exchanges department's inspector in the various districts of the State, he explained.

A. P. Giannini believes "good times" are ahead. Not in the dim nor distant future, but this year.

The California financier so expressed himself on the eve of his departure tonight for New York, to sail for Europe either June 11 or on the 18th. "Conditions are sound," he said. "I look for a slow but sure recovery in business during the next few months, with industry getting back to a very satisfactory level in the fall."

He would not forecast the course of the stock market.

"I don't know about stocks," evaded the creator of Transamerica corporation, the world's greatest bank holding corporation, and holder of securities worth many hundreds of millions. He explained.

"I am not a stock market man. Nobody can tell what the stock market will do. About business—yes. I speak only of business," adding that it was only of California business on which he was posted by first-hand information.

The builder of two great California

banking chains, the Bank of Italy and the Bank of America of California—the largest of their kind in the country—analyzed trade conditions in his home state from the multitude of sources furnished by his financial houses.

"Prices are good," he said. "Our citrus and other fruits have been bringing satisfactory returns.

"Asparagus and other vegetables have brought good prices.

"As to raisins, the outlook depends on whether the raisin pool plan goes through.

Giannini's eagerness to discuss the trade in fruits and vegetables showed he has retained his interest in the business in which he made his first success.

He went on to discuss the oil industry. Prospects are, he believed, hopeful that good prices will be maintained and profits will compare favorably with previous years.

His predictions for factories and stores was one of increasing activity until late in the year. By that time industry and commerce should be nearly back to normal.

Looking into the future for California's trade development, he said:

"Much depends upon the trend of foreign trade in general. If the buying power of Europe, South America, and Asia is gradually built up, trade should revive, and I expect California's part in that commerce to be increasingly enlarged.

"Our fruits should find larger foreign markets. Fresh, dried, canned and preserved products of this state's farms and orchards may be expected to find consumers in enormous numbers abroad. As our products become better known in other countries, and as our methods of handling fruits for foreign shipment are perfected, we should be able to increase the state's income tremendously through heavier exports."

Giannini will be gone a year. He plans to visit the principal nations of the old world, and to make a broad study of world economic conditions.

In 1929, according to R. G. Dunn & Co., 594 builders went broke!

Edward D. Stout, manager of the Credit Association of New York Building Trades, gives some of the major causes for their failures.

He says: "Among the elements to cause failure can be enumerated: Incompetence, inexperience, over-reaching a man's ability, lack of cooperation among the different branches of the industry and dishonesty." He continues, "Incompetency is a cause of failure involving not only contractors but sub-contractors and others all down the line. Severity of competition is a frequent cause of failure for the reason that it leads men to sell material and labor at a price that does not give them a sufficient profit and does not warrant the taking of any chances. Irresponsible operators without sufficient resources behind them take advantage of the severe competition, secure the work done at ruinous prices for the sub-contractor and if the building operation is not successful, suffering and failure follow all down the line. Looseness of credit granting encourages reckless building operation and resulting failures that often follow."

the Los Angeles City Council recently adopted an ordinance requiring that all contractors on public work employ only citizens and resident voters, and providing penalties for violation thereof.

Fred B. Ortman, vice-president and general manager of Gladding, McBean & Co., reports the orders booked by that company for face brick, terra cotta and tile during the first three weeks of May showed a gain of 90 per cent over those for the corresponding period in April, which he considers as reflecting a definite upward trend in building.

In present expansion activities of American corporations, Julius H. Barnes sees a preparation for enlarged earning power in the future and confidence that such will be the result. As chairman of the national business survey conference, organized at the suggestion of President Hoover, Barnes issued a statement for publication, saying that new capital obtained by domestic producing and distributing corporations totaled \$2,100,000,000 during the first four months of 1930. In addition, he reported borrowings by public authorities to a total of \$460,000,000 as compared with \$339,000,000 for the corresponding period of 1929.

Public building for the same period, the report said, increased from \$447,000,000 last year to \$550,000,000 this year.

Residential building dropped from \$995,000,000 to \$923,000,000 and residential building fell off from \$867,000,000 to \$460,000,000.

The report noted an improvement in the financial condition of building and loan associations and a 6 per cent increase in life insurance purchases in April, as compared with April of 1929. At the same time a 9 per cent drop in fire insurance premiums for the same month of this year as compared with last was reported.

Barnes said class one railroads expended \$97,000,000 more in the first quarter of this year than in the same period of 1929, and that on March 1 the employees of these carriers aggregated 1,547,000, which although \$1,000 less than a year ago, was 43,000 more than a month before that time.

CONTRACTOR SEEKS \$3,381 FROM STATE

Bert B. Meek, state director of public works; Ray L. Riley, state controller; the state department of public works, the G. D. Contules Construction Company and others are made defendants in a suit filed in superior court at Sacramento by Tom Burani, and the firm of Burani Brothers Damages totaling \$3,381.74 are asked. Burani complained that his firm a subcontractor, had done work for the Contules firm in the grading of state highway in Placer and Nevada counties. The suit is an attempt to collect payment for the work.

NEW WATER SUPPLY IS PLAN FOR PITTSBURGH

Proposing to bring Yolo county water to Pittsburgh and surrounding territory in Contra Costa County, Do McKinney of Sacramento is conferring with C. W. Scheller, president of the Contra Costa-Solano Counties Industrial Water Users' Association.

McKinney would pipe water for industrial purposes from the Capay valley, 50 miles due north of Pittsburgh. He has stated that his project would deliver water at a cost of less than 1 cent per 100 gallons. Present prices range around 24 cents for the large industrial consumers.

The project would involve an expenditure of several million dollars McKinney said.

ALONG THE LINE

Menlo Park city trustees have accepted the resignation of George A. Kneese, city engineer.

Paul V. Tuttle, architect, announces the removal of his offices from 337 17th St., Oakland, to studio quarters at the rear of his residence, 117 Pearl St., Alameda.

P. A. Quigley, formerly of Lovelock, Nevada, recent purchaser of the Red River Lumber Yards at Susanville, Calif., died suddenly in that city May 31.

Robert W. Leep, for some years a member of the engineering staff of the Eastern Oregon Light & Power Co., Baker, has resigned to accept the position of county engineer of Baker County, Oregon.

W. W. Hayes and Harry J. Oser, general contractors, operating under the firm name of Hayes-Oser Co., with headquarters in the Call Building, San Francisco, announce dissolution of partnership.

Geo. A. Schastey, Monadnock Bldg., and Jas. F. McGuinness, 488 Pine St., San Francisco, have been granted provisional certificates to practice architecture by the California State Board of Architectural Examiners, Northern District, it is announced by Albert J. Evers, secretary of the state board.

Julius B. Manthey, incumbent, county surveyor of San Joaquin County, will be a candidate for election to that office at the coming election. Manthey was appointed to the office by the San Joaquin County Supervisors on August 12, 1929, following the death of Fred E. Smith. No opposition to the incumbent has developed up to the present time.

Vincent K. Cates, manager of the Oakland office of the Summerbell Truss Co. and Trussless Roof Co., well known through his years of sales and engineering work in California, was married last week to Miss Margaret Cassidy of Los Angeles. Mr. and Mrs. Cates are now on a wedding trip through the East and will return to California late this month. Mr. and Mrs. Cates will reside in Oakland.

S. F. WILL VOTE ON BOND PROPOSALS IN AUGUST

Four bond issues totaling \$68,115,000, sufficient to purchase the Pacific Gas & Electric Company and Great Western Power Company systems, and place the city in the power business, will be voted on by San Francisco taxpayers at the August primary.

The board of supervisors voted 15 to 3 to refer the bond proposal to the citizens, upon recommendation of the finance committee.

The four bond issues are allotted as follows:

To acquire the local distributing system of the Pacific Gas & Electric Company, \$44,600,000.

To purchase the Great Western Power Company holdings, \$18,945,000.

To build a transmission line and "stepdown" transformers from Newark to San Francisco, \$3,525,000.

To build a power plant at Red Mountain Bar, \$1,045,000.

TRADE NOTES

Bakersfield Lumber Co. of Bakersfield, capitalized for \$150,000, has been incorporated. Incorporators are J. N. Harvey, Mary Harvey, S. T. Scofield, Vandalia Scofield and L. L. Davies.

Stormpruf Ventilator Co., manufacturers of steel and glass exterior window ventilators, recently established headquarters in San Francisco at 221 Natoma Street. Gilbert Gordon is in charge of the new concern.

Dissolution of the firm of Mattock & Feasy, general contractors, is announced. A. F. and C. W. Mattock, however, will continue in the general contracting business with headquarters at 212 Clara St., San Francisco.

Johns-Manville Corp., New York City, has purchased the assets and patents of the Stevens Sound Proofing Co., Chicago, manufacturer of products for sound insulation and for the deadening of vibration under machinery.

Aerated Block Cement Co. of San Francisco, capitalized for \$500,000, has been incorporated. Directors are: A. Tomel, A. Bianchi, P. Lippi, G. Facigalupo, P. Gargiulo, A. Barci, F. Santina, F. Nicolai, L. Bertucci, R. Francesconi and R. P. Giovannetti.

Motroni Mill and Lumber Co., Ltd., of Woodland, capitalized for \$200,000, has filed articles of incorporation with Frank C. Jordan, secretary of state. J. G. Motroni of Woodland, a general contractor, is president of the company. A permanent board of directors has not yet been named, only "dummy" directors being named in the articles filed.

Phoenix Manufacturing Co., Joliet, Ill., has purchased and taken over from the Graver Corp., its steel tank, water-treating and steel plate construction business, including the plant at East Chicago, Ind. This plant and business will be operated by a subsidiary company to be known as Graver Tank & Mfg. Corp., of which P. S. W. F. and H. S. Graver will be vice-presidents and Edward S. Goselin, president.

Phillip Carey Manufacturing Co., Lockland, Ohio, has recently become associated with the Aluminum Company of America in the production of a new high-temperature heat-insulating material to be manufactured under the trade name of Carey Aluminate. For this purpose the Carey Company is planning the erection of a \$500,000 manufacturing plant at East St. Louis, Ill., immediately adjacent to the present plant of the Aluminum company, from which it will receive processed material for the manufacture of insulating blocks, bricks and powder.

ATLAS MILL MANUFACTURING BUILT-IN FIXTURES

Atlas Mill and Lumber Company of Oakland is now manufacturing a complete line of kitchen built-in fixtures including ice boxes, cabinets and buffets and maintaining a large stock for prompt delivery to home owners and builders. It is announced by N. J. Lindale, who, associated with A. G. Air, operates the company at 3109 East 14th Street.

HERE — THERE — EVERYWHERE

After a career of 62 years of successful business in San Jose the firm of George B. McKee & Co., specializing in paints and wall paper, is retiring from business.

J. W. Turner & Sons, specializing in heating, plumbing and sheet metal work, have been admitted to membership in the Builders' Exchange of Santa Clara County, it is announced by W. L. Howe, secretary of the organization. Another new member of the exchange is the San Jose Heating and Ventilating Company.

National Lumber Manufacturers Association, Washington, D. C., received first honorable mention in the American Trade Association Executives award for constructive activities by trade associations of benefit to the public, the individual industry and industry as a whole. First prize was awarded to the National Automobile Chamber of Commerce.

Bids will be considered by the San Mateo County Supervisors on June 16 to construct the North Fair Oaks Sewer project, involving an expenditure of \$219,000. The work is provided for under the County Improvement Bond Act of 1921 and the Bond Act of 1915. Plans for the work are obtainable from the office of George A. Kneese, County Surveyor, at Redwood City.

A feature of the exhibit of the members of the Santa Barbara Chapter of the American Institute of Architects in the Architects Bldg., Los Angeles, July 7 to 13, will be a showing of the drawings, models and plans of homes designed by the late George Washington Smith, Santa Barbara architect who died recently. The works of other Santa Barbara architects will also be shown.

Arthur F. Larabee of Los Angeles, in a communication to the Oakland city council, warns that body against the proposed purchase of certain road machinery for the street department which is manufactured by Haines Manufacturing Company and which, it is said, is in violation of patent rights of the Standard Road Maintenance Company, clients of Larabee. The council is informed that the use of the machines mentioned is an infringement of patent rights and will be legally fought.

STATE LICENSE SUSPENDED

Refusal to take out a permit for the erection of a house and his conviction on the charge of violating a city ordinance of Oceanside requiring builders in that municipality to be licensed, resulted in the suspension for 30 days of the state contractor's license of E. L. Forney of Oceanside. It was contended by Forney that if he took out a state license it was not necessary to apply for a city license. He has taken an appeal to the superior court of San Diego county. The state license of a San Diego electrical firm was suspended for 30 days on charges that they had failed to solder and tape joints inside electrical conduits as required by city ordinance.

CENSUS OF CONSTRUCTION INDUSTRY NOW UNDER WAY

Designed to aid President Hoover's campaign to relieve unemployment throughout the United States and gather data on other problems of the building industries, a Census of the Construction Industry is being started by John W. Curry, Chief Special Supervisor in charge of the northern and central California district. Detailed information on the new census work was supplied to Curry by Chief D Field Supervisor E. K. Ellsworth, who spent yesterday in the local office in the Civic Auditorium before departing for Los Angeles last night.

The new building census, the first of its kind ever taken by the Census Bureau, will include information from all contractors doing a gross amount of business of \$25,000 and over during 1929. The term "contractors," Census Bureau directions point out, includes general contractors, sub-contractors, jobbing contractors, and all other persons or firms doing construction work, excepting railroads and public utility companies.

Not only will building construction work by contract be included, but in addition those building to sell must report, as well as highway, bridge, harbor and other builders.

"This canvass was recommended by the Advisory Committee on Distribution, which is composed of nationally known business men appointed by the Secretary of Commerce," states Curry. "As a result of the urgent request of national contractors associations and others prominent in the construction industry."

"The information when analyzed and made available should prove of much value in promoting the interests of the industry, resulting in a decrease of unemployment. Like the other forms of

census, all information supplied will be treated in strict confidence. All reports made will be grouped in such a manner that no information on any single firm can be ascertained," Curry continued.

Information to be secured in the Census of the Construction Industry includes the following: Description of establishment by ownership; if concern is a member of a contractors association; number of salaried employees; skilled and unskilled workmen; total wages paid out during 1929; amount expended for purchase or rental of equipment during past year; type of contract work performed; type and value of sub-contract work performed; number of structures erected, type and value; if work was performed as public work, private construction or quasi public organizations; total value of construction work done by the reporting firm during 1929; and the classes and value of materials used by the firm.

Although the personal canvass in the construction census is just being started, questionnaires were mailed from the Bureau of Census at Washington, D. C., some time ago. A record of all those who have returned their reports has been supplied to the local census office and those firms and persons will not be called upon. In some instances firms which have already made other reports will be asked to also supply reports segregating their construction work from other types of business.

Field enumerators will take the census in the Bay Region cities and the larger cities of central and northern California where mail replies have not yet been received.

chairman, Stockton, Calif.; L. H. Anderson, subchairman, Palo Alto, Calif.; Oscar Knecht, subchairman, San Diego, Calif.; C. D. Wallis, Jr., Long Beach, Calif.; James Barf, Victoria, B. C.; F. H. McMahon, Pomona, Calif.; E. S. Lueth, Yakima, Wash.; K. Sawyer, Yuma, Ariz.; P. W. Knights, El Centro, Calif.; W. S. Robbins, Manhattan Beach, Calif.; M. C. Woodruff, San Jose, Calif.

Committee No. 5, Subjects: General Regulation (including Plastering), (Chapters 32, 34, 35, 47). Grover L. Walters, chairman, Fullerton, Calif.; C. B. Pickett, subchairman, Coronado, Calif.; H. C. Vandewater, subchairman, Glendale, Calif.; A. R. Mills, Bell, Calif.; C. L. Baker, Modesto, Calif.; R. H. Hubbard, Bakersfield, Calif.; Carl V. F. Taylor, Claremont, Calif.; L. P. Keller, El Monte, Calif.; E. L. Lium, Grand Forks, N. D.; J. C. Nowell, Hillsborough, Calif.; G. J. Leftwich, Inglewood, Calif.; M. L. Hutchinson, Monrovia, Calif.

Committee No. 6, Subjects: Special Ordinances (including Refrigeration and Film Storage). A. J. Hurley, chairman, Richmond, Calif.; S. P. Koch, subchairman, Berkeley, Calif.; G. MacDuff, subchairman, Tacoma, Wash.; J. H. Park, Compton, Calif.; Ralph Nuboe, Anaheim, Calif.; J. C. Largent, Albuquerque, N. M.; E. H. Rogers, Alameda, Calif.; Henry Hansen, San Bernardino, Calif.; Don F. Runkle, San Fernando, Calif.; W. H. Richardson, Kelso, Wash.; L. E. Wright, Livermore, Calif.; O. C. Owens, Madera, Calif.; C. B. Ireland, National City, Calif.

Proposed changes for the Uniform Code to be discussed at the ninth annual meeting in Long Beach, Sept. 29 to Oct. 4, must be in conference headquarters before Aug. 1. These should be submitted in form suitable for inclusion in the code.

BUILDING OFFICIALS NAME COMMITTEES ON CODE CHANGES

The active membership personnel of six code changes committees which will function at the 9th annual meeting of the Pacific Coast Building Officials' Conference in Long Beach, Calif., Sept. 29 to Oct. 4, has just been announced by H. E. Plummer of Portland, president of the conference.

To these committees are assigned definite subjects and chapters of the Uniform Building Code with which they are to work. Assignments are made at this early date so that members may thoroughly familiarize themselves with the portions of the code to which they are assigned.

Each committee has two subchairmen in addition to the chairman, the plan being that if a committee assignment is heavy it will be possible to subdivide the committee, with the subchairmen acting as chairmen of the smaller groups.

It will be necessary for all suggested changes and additions for the Uniform Building Code to pass first through conference headquarters where they then refer them to the proper committee. The various building material groups are urged by President Plummer to co-operate fully in this regard so that misunderstandings may be avoided.

The active membership personnel of the six code changes committees is as follows:

Committee No. 1, Subjects: Definitions, Administration, Legality (Chapters 1, 2, 3, 4, 44, 45, 46). A. J. Bird, chairman, Vancouver, B. C.; O. Barnwell, subchairman, Beverly Hills, Calif.; J. R. Shields, subchairman, Sacramento, Calif.; John E. Leonard, San

Francisco, Calif.; F. H. Spangenberg, Boise, Idaho; C. Drathman, Redwood City, Calif.; Victor Becker, San Rafael, Calif.; C. M. Hoyt, South Pasadena, Calif.; C. R. Beatty, South San Francisco, Calif.; R. W. Rundlett, Eugene, Ore.; R. H. Barrett, Piedmont, Calif.; A. H. Ginsbach, Huntington Park, Calif.

Committee No. 2, Subjects: Occupancy (Exits, Theaters), Chapters 5 to 15, inc., and 33, 39, 40, 41. Robert Greig, chairman, San Francisco, Calif.; Arthur Veit, subchairman, Alhambra, Calif.; Geo. T. Grove, subchairman, Tucson, Ariz.; Theo. C. Combs, Upland, Calif.; M. E. Armstrong, Redlands, Calif.; J. T. Peasgood, Santa Monica, Calif.; Jos. W. Foster, Tujunga, Calif.; T. D. Kilkenny, Vallejo, Calif.; J. H. Woods, South Gate, Calif.; W. D. Finney, Salt Lake City, Utah; Harry Billings, Ontario, Calif.; E. Curtis Neal, Fresno, Calif.

Committee No. 3, Subjects: Types of Construction and Engineering Regulations (Chapters 17 to 21 inc. and 36). Walter Putnam, chairman, Pasadena, Calif.; G. S. Moore, subchairman, Austin, Texas; Geo. K. Fitch, subchairman, El Paso, Texas; C. A. Hutchinson, Colton, Calif.; C. E. Rogers, Prescott, Ariz.; H. A. Johnson, Ventura, Calif.; L. H. Gadsby, Visalia, Calif.; H. C. Weisenburger, Van Nuys, Calif.; Chas. H. Williams, Olympia, Wash.; Fred W. Sharkey, Wenatchee, Wash.; E. J. Austin, Hoquiam, Wash.; R. E. Nelkirk, San Leandro, Calif.

Committee No. 4, Subjects: Fire Resistance and Fire Hazards (Chapters 16, 37, 38, 42, 43). W. A. Curtis,

TRADE LITERATURE

Class "K" digging clamshell buckets and electric motor buckets are described in two recent bulletins of the Hayward Co., New York City. The electric motor bucket is a hook-up type opened and closed by an electric motor mounted within the bucket.

The Ball wagon grader, which combines the operations of digging, loading, transporting, dumping and spreading in one piece of equipment, is described in detail in a 16-page bulletin compiled by the Blaw-Knox Co., Pittsburgh, Pa.

Four sections of steel cross ties ranging in weight from 9.4 to 25 lb. per foot, manufactured by the Carnegie Steel Co., Pittsburgh, Pa., are described in a 38-page illustrated bulletin "Railway Steel Cross-ties," which also treats of track accessories and gives suggestions for concrete track construction.

PAGE MR. RIPLEY

When Lameuse Street in Biloxi was paved in 1896 the $2\frac{1}{2}'' \times 4\frac{1}{2}''$ brick were laid to a 4" depth. When it was relaid 28 years later when they were turned so that the thickness was $2\frac{1}{2}''$. Hence the increased surface area, the more than 100% salvage, and the new block of paving from the surplus brick! Credit was allowed private owners for the value of the new brick used on the additional block.

TWELVE STORY BUILDING FOR SACRAMENTO OUT FOR FIGURES

Bids are being received by Coffman, Sahlberg & Stafford, Sacramento architects, for the erection of a twelve-story Class A store and office building to be erected at the northeast corner of Eighth and J streets in the capital city. The structure will involve an expenditure of \$500,000 and will be financed by San Francisco interests whose names are not disclosed. Announcement of the project is made by the Robertson-Govan Company, Sacramento realtors.

The entrance is to be on Eighth street and will be trimmed with black granite leading into a pretentious lobby with a sixteen-foot high ceiling. The floor will be of marble and the walls of black and gold marble. There will be eleven floors of office space available with 2400 square feet of rentable area to the floor. Provision has been made for three stores on the ground floor. The building will be served with



Class "A" office building to be erected at Eighth and J Streets, Sacramento, for San Francisco Capitalists. Coffman, Sahlberg & Stafford of Sacramento, architects

The building will be one block from the new federal office and post office structure on I street and will occupy a site measuring forty feet on J street and 100 feet on Eighth street. It will be of Class A construction and of the modern style of architecture. It will have a structural steel frame and an exterior faced with pressed brick and terra cotta. Windows will have steel sash and there will be pressed metal spandrels between the windows.

two modern high-speed elevators with a speed of 600 feet per minute. They will be self-leveling at each floor and of the type giving no sensation of rise or fall. Thomas G. Mapel represented the Robertson-Govan Company in the transaction involving the sale of the site. This realty firm has been designated leasing agent for the structure and also the building manager. Edward S. Clarke, San Francisco promoter, represented the bay city interests.

N. Y. BUILDING COLLAPSE NOT "STEEL FRAME" JOB

In view of the numerous inaccurate reports which have appeared in the daily press regarding the collapse of the building under erection for the Gottfried Bakery in New York, the American Institute of Steel Construction has issued warnings to all editors to be careful not to describe this as a steel framed construction job. A true account of the accident is recorded in the bulletin issued by the engineering department of the Institute and is published herewith.

On the afternoon of May 22 last the framework of the above building, then under construction, collapsed, killing two men, and injuring nine others.

Newspapers in general referred to this accident as a failure of a "steel frame."

This was a reinforced concrete building, incorporating structural steel as reinforcement of the columns. At the time of the collapse all column reinforcements, which were one piece and four stories in height, were erected and in most cases tied together by extremely slender steel struts in which the 1/4" was in some instances over 500". These struts were used for the purpose of helping to hold the column reinforcement in position after same was plumbed. In dismantling the guy derrick the derrick boom fell against several of these slender struts with the result that same were badly buckled, pulling the adjacent columns together, and thus causing a general collapse.

By no stretch of the imagination can this type of building be called "a steel-frame structure," and the blame should rest upon a type of design which does not properly take care of erection hazards, and not upon structural steel. Had this been a steel frame structure, properly designed, little harm could have been caused through the dropping of a derrick boom against a girder tying two columns together. Until the concrete is placed in the columns and floor panels, this type of construction requires ample bracing to provide the necessary rigidity for safe erection.

COURT RULES ON FICTITIOUS NAME LAW

An individual doing business under his own name and initials, followed by the word "company," is not required to comply with the provisions of the so-called fictitious name statute, since the name is not fictitious, the supreme court of California recently ruled.

The statute, the opinion explains, provides that "every person transacting business in this state under fictitious name and every partnership transacting business in this state under a fictitious name or a designation not showing the names of the persons interested as partners in such business must file with the clerk of the county a certificate stating the name and place of residence of the person or persons interested in the business."

YUBA AND SUTTER COUNTIES ADOPT 5-DAY WEEK

Building trade crafts in Yuba and Sutter counties commenced operations on the 5-day week schedule last Monday. The plan has been adopted through an agreement with general and sub-contractors and the Yuba-Sutter Building Trades Council.

PARAFFINE COMPANIES, INC., GETS NEW CLAY BEDS

Paraffine Companies, Inc., has purchased 40 acres of land at Lompoc, Calif., containing deposits of diatomaceous earth, commercially known as Celite.

R. S. Shainwald, president of Paraffine, announces that no plans have been formulated yet as to the development of the property or the establishment of a plant. Engineers' reports show that the land contains the finest deposits of the insulating clay that have yet been discovered, Shainwald said.

The Paraffine properties are in the

AFFIDAVIT OF NON-COLLUSION ON OAKLAND PAVING BIDS

An "affidavit of non-collusion" will be required of all contractors who bid for Oakland street paving jobs in the future, according to a resolution adopted by the city council at the request of Commissioner Charles I. Anderson and City Engineer Walter Frickstad.

Anderson said that the affidavit is intended as an additional safeguard to insure honest paving jobs by honest contractors in the future.

According to Anderson's plan, each contractor bidding on a municipal paving job must accompany his bid with an affidavit which says: "that such bid is genuine and not sham or collusive, or made in the interest of any person not herein named."

The affidavit, says Anderson, is intended to act as a clamp upon all camouflaged contracting companies, or all contractors who are acting for hidden backers.

"The affidavit," said Anderson, "is intended as one more safeguard to insure better and more open conditions in Oakland paving jobs in the future."

READY-MIXED CONCRETE INTERESTS PLAN ASS'N.

Steps leading to the formation of a National Ready Mixed Concrete Association were taken at a meeting held in Chicago, Ill., on May 16, which was attended by fifteen of the more important operators in this field, as well as by representatives of several manufacturing concerns. Those present decided that a national association is greatly needed to promote the interests of the ready-mixed concrete industry. To further the formation of such an association, an executive committee of five was appointed to canvass all producers and the entire industry in the United States and Canada. Another general meeting, at which it is expected that the actual organization of the association will take place, is to be held within thirty days.

Members of the executive committee are: Chairman, J. E. Burke, Ready Mixed Concrete Co., Pittsburgh, Pa.; Alexander Foster, Jr., Charles E. Warner Co., Philadelphia, Pa.; Arthur Avril, Avril Tru-Batch Co., Cincinnati, O.; C. M. Cornell, Boston Ready Mixed Concrete Corp., Boston, Mass.; and Arthur A. Levison, Blaw-Knox Co., Pittsburgh, Pa.

SUPPORTING STRENGTH OF CONCRETE-INCASED PIPE

The supporting strength of concrete-incased clay pipe as determined by the Iowa Engineering Experiment Station, Iowa State College, Ames, Iowa, in co-operation with the Clay Products Association, Chicago, Ill., is reported in bulletin 93 of the experiment station.

It was found that the safe support-

ing strength of concrete-incased clay pipe is only slightly greater than the sum of the individual supporting strength of the clay pipe and of the concrete incasement. The supporting strength of the incased pipe was found to be higher at lower temperatures. The action of an incased pipe is very nearly that of two independent but concentric rings, results indicated.

Tests indicated that the strength of a concrete specimen is influenced to a marked degree by the temperature at which it is tested. Specimens tested at 1 deg. F. were found to have about double the ultimate strength of specimens made and cured under the same conditions but tested at 70 deg. F.

THIRTY STORY HOTEL FOR CHICAGO UNIVERSITY CAMPUS

A \$5,000,000 hospital, thirty stories tall, with kitchenette apartments for wealthy convalescents, will be built on Northwestern University's downtown Chicago campus.

Culminating eight years' of effort, trustees of the Wesley Memorial Hospital have decided to reaffiliate their institutions with the university and to erect "the finest 600-bed general hospital that can be built."

The hospital will adjoin and be operated in connection with the university's medical school. Both are Methodist institutions.

UNEMPLOYMENT SHOWS LITTLE IMPROVEMENT SAYS GREEN

The coming of warm spring weather, which usually brings a revival in the building trades and in out-of-doors work generally, has failed thus far to ease the unemployment situation according to figures made public by President William Green of the American Federation of Labor.

Green, in a statement issued last Tuesday, said one out of every five union laborers still lack steady work. Unemployment in union circles, he said, stood at 20 per cent in May as compared with 21 per cent in April.

Some casual laborers have found work farming and building roads, Green explained, and the breadlines no longer are necessary, but there has been "very little improvement" in the unemployment situation generally.

ARCHITECTS' FEE IS CUT BY APPELLATE COURT

The State District Court of Appeals (San Francisco) modified to \$26,500 the judgment awarded in superior court to the firm of Russell & Alpaugh, Long Beach Architects, against Charles H. and Fred C. Stillwell.

The suit arose over a disputed interpretation of the contract under which Russell & Alpaugh agreed to supervise construction of a large apartment building erected by the Stillwell brothers.

The builders had appealed from an original judgment awarding the architects fees in the amount of \$43,950.

TIME IS RIPE FOR BUILDING SAYS BRICK ASSOCIATION

"Now is a good time to build good buildings," says the monthly digest of the Common Brick Manufacturers' Association of America.

"Prices of masonry materials are lower than at any time since 1920. Building trades are not overworked and men keen for jobs, give their best production."

"The pick-up represented by in-

creased numbers of building permits and new contracts let is perhaps only seasonable, but it is an improvement over recent months. There are reasons for the general belief that the lowest point in construction has been passed and that by September a condition approaching normal will prevail.

"The brick manufacturer, while contending with all the competitive difficulties resulting from low volume, may congratulate himself upon the fact that a larger proportion of the construction dollar is being spent for his material than at any time within the past ten years. The application of engineering to the promotion of brick is regaining some old markets and creating new markets."

"The current reports from 152 manufacturing companies show a healthy increase in quantities of material moved from the yards and a corresponding improvement in orders on the books."

"The number of plants idle is still large, being fifty per cent of those reporting. The number is less than a month ago. Stocks on hand have been decreased. The price range shows the effect of over supply. In some districts the ruling price is actually below cost of production."

FIVE-DAY WEEK AT MERCED

A five-day week as a means of combating unemployment has been adopted by the Merced Carpenters' Union. The measure was passed by a large majority at a recent meeting of the Merced building trades workers, according to Claude Sellard, president of the Merced local.

BERKELEY CALLS \$2,690,000 BOND ISSUE

Berkeley Board of Education has set August 26 as the date to vote on the question of issuing and selling bonds of \$2,690,000 to finance the erection of new schools and additions to standing structures. Of the \$2,690,000, the Board plans to expend \$1,495,000 for elementary school improvements and \$1,195,000 for senior and junior high school development.

PARAFFINE COMPANIES, INC., SUED FOR DEATHS

Two suits for a total of \$81,000 damages for two deaths have been brought in the superior court at Madera against the Paraffine Companies, Inc. Mrs. Victoria M. Beffa sues \$56,000 for the death of her husband, Emile C. Beffa, and Daniel A. Beffa \$25,000 for that of his father, C. P. Beffa.

They charge that the deaths of the two men, Emile, the father, and C. P., the son, were due to asphyxiation by fumes from a paint manufactured by the company.

The men were engaged in painting the inside of a tank on the Mor-decai Ranch near Madera when they succumbed.

MILLS CURTAIL PRODUCTION

Colonel W. B. Greeley, secretary and manager of the West Coast Lumbermen's Association, in an official statement released by the association, declared that many lumber mills in the Douglas fir region of the Pacific Northwest had found it necessary to curtail production for an extended period.

Several mills that normally operate two shifts, the statement said, are planning to operate on a one-shift basis. Others, he said, will reduce cutting schedules to four and five days a week while many single-shift mills are now operating on a five day week basis.

Building News Section

APARTMENTS

Plans Being Prepared.

APARTMENTS Cost, \$1,000,000
SEATTLE, Wash. NW corner Sixth
 Ave. and Bell St.
 Class A apartments and bachelor hotel,
 428 rooms in all.
 Owner—Group of local capitalists,
 headed by Victor Elfendahl, F. K.
 Dent and L. J. Hull.
 Architect—Earl W. Morrison, Lloyd
 Bldg., Seattle.

Completing Plans.

APARTMENTS Cost, \$300,000
LOS ANGELES, Cal. SW San
 Marino St. and Serrano Ave.
 Seven-story and basement Class A
 reinforced concrete apartments.
 Owner—Withheld.
 Architect—F. A. Brown, 1489 W.
 Washington St., Los Angeles.

Contract Awarded.

APARTMENTS Cost, \$35,000
SAN MATEO, San Mateo Co., Cal.
 Bayshore Highway.
 Two-story frame and stucco apart-
 ments (3 4-room apts.); reinforced
 concrete Class C garage to com-
 prise first floor.
 Owner—Withheld.
 Plans by Grimes & Schoening, Bal-
 vich Bldg., San Mateo
 Contractor—Withheld.

Plans Being Revised.

APARTMENTS Cost, \$75,000
SAN FRANCISCO, SE Parker Ave.
 and California St.
 Three-story frame and stucco apart-
 ments (18 2, 3- and 4-room apts.).
 Owner—H. O. and W. R. Lindemann,
 615 27th Avenue.
 Plans by L. O. Ebbets, Hobart Bldg.
 Sub-bids will be taken in one week.

Contract Awarded.

APARTMENTS Cost, \$250,000
LOS ANGELES, Cal. Ninth St. and
 Kingsley Drive.
 Five-story and basement brick Class
 C apartments (48 apts.)
 Owner—F. Roth.
 Architect—E. B. Rust, 701 Wilshire
 Professional Bldg., Los Angeles.
 Contractor—Barnett Shapiro Constr
 Co., 304 Fine Arts Bldg., Los An-
 geles.

Segregated Bids Being Taken.

ALTERATIONS Cost, \$40,000
SAN FRANCISCO, NW Bush St. and
 Polk Street.
 Alter present apartments.
 Owner—Estate of Louis Freidman.
 Architect—S. Helman, 605 Market St.

Sub-Bids Being Taken.

APARTMENTS Cost, \$35,000
SAN MATEO, San Mateo Co., Calif.
 Bayshore Highway.
 Two-story frame and stucco apart-
 ments (three 4-room apts.); rein-
 forced concrete class C garage to
 comprise first floor.
 Owner and Builder—A. Powers, 515 S
 Humboldt St., San Mateo.
 Plans by Grimes & Schoening, Bal-
 vich Bldg., San Mateo.

BONDS

YOUNTVILLE, Napa Co., Cal.—
 County supervisors sell \$20,000 bond
 issue of Yountville School District
 for premium of \$913, proceeds of sale

to finance erection of a new school,
 plans for which are being prepared
 by Architect.

MANHATTAN BEACH, Los An-
 geles Co., Cal.—Manhattan Beach
 City School District will hold elec-
 tion June 2 to vote bonds of \$128,000
 for purchase of two new school sites
 and erection of eight-room school in
 north section of city. Helen L.
 Young and Chas. H. Murdock, trust-
 ees of district.

ANTIOCH, Contra Costa Co., Cal.—
 Antioch-Live Oak High School Dis-
 trict votes bonds of \$150,000 to finance
 erection of a new high school on a
 15-acre site in D street. Two pre-
 vious bond elections were defeated.

SUNNYVALE, Santa Clara Co., Cal.—
 County supervisors sell \$25,000 bond
 issue of Sunnyvale School District for
 premium of \$1,102, proceeds of the sale
 to finance school improvements.

BERKELEY, Alameda Co., Cal.—
 Election will be held August 26 to
 vote bonds of \$2,690,000 to finance
 erection of new schools and additions
 to standing structures. Of the total
 amount, \$1,435,000 would provide
 elementary school improvements and
 \$1,135,000 for senior and junior high
 school improvements.

CHURCHES

Plans Being Figured—Bids Close June
 9, 7 P. M.

CHURCH Cost, \$—
REDWOOD CITY, Can Mateo Co.,
 Calif. James and Hudson Sts.
 One-story, basement and mezzanine
 floor frame and stucco church
 auditorium to seat 325, 6 Sunday
 school rooms, ladies' parlor,
 pastor's study and dining room).
 Owner—First Baptist Church (Rev
 Chas. H. Gatchell, Pastor).
 Architect—J. G. Lehman, Redwood
 City.

Sub-Bids Wanted

ALTERATIONS Approx. \$50,000
SAN FRANCISCO, Van Ness Ave.
 and Broadway.

Alterations to exterior of church.
 Owner—Roman Catholic Archbishop,
 1100 Franklin St., San Francisco.
 Architect—H. A. Minton, Bank of Italy
 Bldg., San Francisco.

A Demonstration of the

SKILSAW PORTABLE ELE- TRIC HAND SAW

Will solve your cutting problems.
 (Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1222 Mission St.
 San Francisco

Underhill
 1267

Plans To Go Out For Figures June 15
CHURCH Cost, \$100,000
SACRAMENTO, Sacramento Co., Cal.

39th and J Sts.
 Two-story brick church.
 Owner—Roman Catholic Bishop (St.
 Stephen's Parish).
 Architect—Harry Devine, California
 State Life Bldg., Sacramento.

Sub-Bids Wanted.

ALTERATIONS Approx \$50,000
SAN FRANCISCO, Van Ness Avenue
 and Broadway.

Alterations to exterior of church.
 Owner—Roman Catholic Archbishop,
 1100 Franklin St., San Francisco.
 Architect—H. A. Minton, Bank of Italy
 Bldg., San Francisco.
 Contractor—J. E. Scully, Phelan
 Bldg., San Francisco.

Segregated Bids Being Taken.

CHURCH Cost, \$—
STOCKTON, San Joaquin Co., Calif.
 North part of town.
 One-story brick church building.
 Owner—Unitarian Church.
 Architect—W. J. Wright Mail Bldg.,
 Stockton.

SANTA BARBARA, Cal.—El Mon-
 tecito Presbyterian Church, Dr. Oliver
 Hart Bronson, pastor, has started a
 campaign to raise \$40,000 for the
 erection of a new edifice. A \$5000
 pipe organ will be installed in the
 building. Carl Wyant is chairman of
 the building committee.

Bids Opened.

CHURCH Cost, \$40,000
OAKLAND, Alameda Co., Calif. St.
 James Road.
 One-story frame and stucco church
 (Spanish type).
 Owner—Corpus Christi Parish.
 Architect—W. E. Schirmer, 700 21st
 St., Oakland.

General Work

Thomas Furlong, 460 Jerome.
 Oakland.....\$24,989
 Sullivan & Sullivan, Oakland.....26,500
 Leibert & Trobeck, S. F.....26,800
 S. Rasori, San Francisco.....31,651
 J. P. Brennan, Oakland.....33,221

Painting

Nelson & Gershol.....\$2,097
 Palm Hill Decorating Co.....2,127
 Powers.....2,281

Plastering

P. Donnelly, 5816 Lawton, Oak-
 land.....\$4,600
 Bids held under advisement.

FACTORIES AND WARE- HOUSES

PALO ALTO, Santa Clara Co., Cal.
 DeMant Bros., Palo Alto, at \$689, sub-
 mitted lowest bid to city engineer, to
 construct reinforced concrete pump
 house in park opposite Mayfield De-
 pot near corner of Oregon Ave. and
 Alma St. The only other bid was
 submitted by The Minton Co., Palo
 Alto, at \$1,063. Bids held under ad-
 visement until June 9th.

Bids Wanted For Furnishing and
 Driving Concrete Piles.

INDUSTRIAL BLDG. Cost, \$—
SAN FRANCISCO, SE Russ St. and
 Howard St.

Three-story reinforced concrete in-
 dustrial building.
 Owner—Eng-Skell Co., 208 Mission St.
 Engineer—A. C. Griewank, 208 Mission
 Street.

Plans Being Prepared.

WAREHOUSES Cost, \$—
SAN FRANCISCO. W Third St. from
 Mariposa to 16th St.
 Four huge warehouses (assembling,
 storage, etc.)
 Owner—Pacific Coast Steel Co., 111
 Sutter St.
 Engineer—Eng. Dept. of Bethlehem
 Steel Corp., New York.
 Will cover an area of 175,000 sq. ft.

**Bids To Be Taken June 12th—To Be
 Opened June 23rd.**
TRANSIT SHED Cost, \$—
OAKLAND, Alameda Co., Cal. Outer
 Harbor.

400 ft. extension to transit shed.
 Owner—City of Oakland Port Com-
 mission, G. B. Hegardt, Secretary,
 424 Oakland Bank Bldg., Oakland.
 Architect—Eng. Dept. of Owner.

Contract Awarded.
MEZZANINE FLOOR Cost, \$—
OAKLAND, Alameda Co., Cal. Mu-
 nicipal Airport Hangar No. 4, Sec-
 tion B.

Construct mezzanine floor and parti-
 tions (50x120 ft.; wood construc-
 tion).
 Owner—City of Oakland Port Com-
 mission, G. B. Hegardt, Secretary,
 424 Oakland Bank Bldg., Oakland.
 Architect—Eng. Dept. of Owner.
 Contractor—Austin Co. of California,
 1924 Broadway, Oakland.
 Painting bids will be taken shortly.

Plans Being Figured
WAREHOUSE Cost, \$30,000
OAKLAND, Alameda Co., Cal. Sec-
 ond and Harrison Sts.
 One-story steel and brick warehouse
 (100x200 ft.)
 Owner—Safeway Stores, Fourth and
 Jackson Sts., Oakland.
 Engineers—Couchot & Rosenwald, Un-
 derwood Bldg., San Francisco, and
 Chas. Roeth, 1404 Franklin St.,
 Oakland.

Contract Awarded.
REMODELING Cost, approx. \$7000
SAN JOSE, Santa Clara Co., Cal.
 Second and San Fernando Sts.
 Remodel present warehouse.
 Owner—Lion & Co., San Jose.
 Architect—Herman Krause, Bank of
 San Jose Bldg., San Jose.
 Contractor—H. Bolwin, 1041 Garland
 St., San Jose.

Following are the four low bidders:
 H. Bolwin, San Jose.....\$ 9,050
 E. Nommensen, San Jose..... 9,444
 H. Bridges, San Jose..... 9,877
 R. O. Summers, San Jose..... 11,140

Sub-Contracts Awarded.
TRANSIT SHED Cont. Price \$69,750
OAKLAND, Alameda Co., Cal. Ninth
 Avenue Pier.

One-story reinforced concrete super-
 structure for transit shed (504x
 180 ft.; two 70-ft. trusses and one
 40-ft. truss).

Owner—City of Oakland Port Com-
 mission, 424 Oakland Bank Bldg.,
 Oakland.

Architect—Eng. Dept. of Owner.
 Contractor—Spivock & Spiwcock, Hor-
 hart Bldg., San Francisco.

Plumbing—A. Feldhammer, Alameda.
Reinforcing Steel—Pacific Coast Steel
Co., 215 Market St., San Francisco

Lumber—E. K. Wood Lumber Co.,
Frederick and King Sts., Oakland.
Cement—Pacific Portland Cement Co.
111 Sutter St., San Francisco.

Roofing—Western Roofing Co., 1737
Telegraph Ave., Oakland.

Glass—Cobbledick-Kibbe Glass Co.,
666 Howard St., San Francisco

**Partitions—Weber Showcase & Fix-
 ture Co., 967 Mission St., S. F.**

Painting—E. H. Bay Spraying Co.,
10180 E. 14th St., Oakland.

Steel Sash—Detroit Steel Products
Co., Hunter-Dulin Bldg., S. F.

Plans Being Figured—Bids Close June

9th.
WAREHOUSE Cost, \$30,000
SACRAMENTO, Sacramento Co., Cal.
 Tenth and R Streets.
 Two-story and basement concrete
 concrete paint warehouse.
 Owner—W. P. Fuller & Co., 501
 Mission St., San Francisco.
 Architect—Coffman, Sahlberg & Staf-
 ford, Forum Bldg., Sacramento.

Contract Awarded—Sub-Bids Being
Taken.

PLANT Cost, \$100,000
SAN FRANCISCO, Sacramento and
Montgomery Sts.

Six-story reinforced concrete printing
 plant.
 Owner—Name Withheld.

Architect—Chas. E. Perry, 427 Sacra-
 ment St., Vallejo.
 Contractor—David Paganini, 519 Cali-
 fornia St.

Sub-Contracts Awarded.

LAUNDRY Cost, \$50,000
 (including equipment)
MARTINEZ, Contra Costa Co., Cal.
 One-story steel beam and brick laun-
 dry.

Owner—Martinez Steam Laundry, 709
 Howard St., Martinez.

Plans by A. L. Rector, 5410 Amador
 St., Richmond.

Contractor—Wallace Snelgrove, 24th
 and Esmond Sts., Richmond.

Structural Steel—Judson Pacific Co.,
609 Mission St., San Francisco.

Cement—Holmes Lime & Cement Co.,
Division and De Haro Sts., S. F.

**Rock and Sand—A. J. McMahon, Mar-
 tinez.**

**Lumber—Martinez Lumber Co., Mar-
 tinez.**
 Sub-bids are wanted on brick work,
 plumbing, electrical, tile, roofing and
 steel sash

Structural Steel Bids Wanted.
FACTORY Cost, \$10,000
SAN FRANCISCO, NW Shipley St.
 bet. 4th and 5th Sts.

One-story steel factory and pipe stor-
 age building.

Owner—Cyclops Iron Works, 837 Fol-
 som Street.

Engineer and Mgr. of Const.—H. C.
 Vensano, 58 Sutter St.

Plans Being Prepared.
MFG. PLANT Cost, \$35,000
SAN FRANCISCO, Rincon Hill.

Two-story reinforced concrete manu-
 facturing plant.
 Owner and Builder—James Hjul, 128
 Russ Street.

Plans by Owner.
 Lessee—Dalmio Mfg. Co., 449 Bryant.
 Sub-bids will be taken in about two
 weeks.

Completing Plans.
OFFICES Cost, \$8500
SAN JOSE, Santa Clara Co., Cal.
 One-story frame and stucco offices
 and warehouse.

Owner—Williams & Russo, Fourth
 and Virginia Sts., San Jose.

Architect—Herman Krause, Bank of
 San Jose Bldg., San Jose

Bids will be taken in one week.

Plans Being Prepared.
LABORATORY Cost, \$50,000
SAN FRANCISCO, N Fell St., bet.
Van Ness Ave. and Polk St.

Three-story and basement reinforced
 concrete and brick offices and
 laboratory.

Owner—The Viavi Co., Van Ness Ave.
 and Market St., San Francisco.

Architect—Willis Folk Co., 277 Pine
 St., San Francisco.

Project has been held up since
 March, 1930. Bids will be called for
 shortly.

Plans To Be Prepared.

NEWSPAPER BLDGS. Cost, \$—
SAN MATEO AND SANTA CLARA
Counties, Cal. Palo Alto, Red-
 wood City, South San Francisco,
 and San Bruno.

Four reinforced concrete newspaper
 buildings (California Mission town)
 Owner—Peninsular Newspapers, Inc.

Architect—Not Selected.

Mr. Morrell, who is in charge of the
 proposed new buildings is in the East
 and upon his return, July 15, more
 definite information will be obtained.

The estimated costs of the four
 proposed buildings are as follows:
 Palo Alto Times, \$55,000 to \$75,000;
 Redwood City Tribune, \$25,000 to
 \$75,000; South San Francisco, \$20,000
 to \$35,000; San Bruno Recorder, \$7500
 to \$15,000.

Preparing Working Drawings.
NEWSPAPER BLDG. Cost, \$225,000
HOLLYWOOD, Los Angeles Co., Cal.
 No. 1541-49 Wilcox Avenue.

Two-story and basement reinforced
 concrete Class A newspaper build-
 ing (144x143 feet).

Owner—Hollywood News Publishing
 Company.

Architect—Francis D. Rutherford, 205
 Mills-Fraser Bldg., Santa Monica.

Bids Under Advisement.
DISTRIBUTING PLANT Cost, \$—
PORTLAND, Oregon. Guida Indus-
 trial District.

One and one-half-story reinf. concrete
 and heavy mill construction dis-
 tributing plant (covering approx.
 4 square blocks).

Owner—MacLarr Stores, Inc., Multi-
 mah, Portland.

Architect—Sutton and Witney, Lewis
 Bldg., Portland.

Low Bidder—Stebinger Bros., Worcester-
Bldg., Portland, \$314,235.

Dougan-Hammond Co., Portland, at
\$320,000 were second law, and Schu-
ler and McDonald, Oakland, Calif.,
highest bidder at \$394,320.

Plans Being Figured.
REMODELING Cost approx. \$7000
SAN JOSE, Santa Clara Co., Calif.
 Second and San Fernando Sts.

Remodel present warehouse.
 Owner—Lion & Co., San Jose.

Architect—Herman Krause, Bank of
 San Jose Bldg., San Jose.

SAN FRANCISCO—Plant and stor-
age yards of Pope & Talbot Lumber
Co. offers \$150,000 fire loss, May 30.

GARAGES AND SERVICE STATIONS

Plans To Be Prepared.
GARAGE Cost, \$—
PETALUMA, Sonoma Co., Calif. 821
 Main Street.

Reinforced concrete garage and auto
 salesroom; repair shop, etc.

Owner—N. K. and J. K. Westertep,
 434 Main St., Petaluma.

Architect—W. H. Weeks, Hunter-Du-
 lin Building, San Francisco; 1736
 Franklin St., Oakland and Bank of
 Italy Bldg., San Jose.

Project is in a very preliminary
 stage at this time. More definite in-
 formation will be given at a later date.

Completing Plans.
GARAGE Cost, \$35,000
BERKELEY, Durant and Fulton Sts.
 One-story reinforced concrete garage
 and salesroom.

Owner—Victor H. Doyle, 74 Oak Ridge
 Road, Berkeley.

Architect—Fred H. Reimers, Franklin
 Bldg., Oakland.

Plans will be ready for figures in
 about ten days.

Bids Opened.

GARAGE Cost, \$30,000
WATSONVILLE, Santa Cruz Co., Cal.
 One-story concrete garage.
 Owner—W. W. Bendell, 213 Main St.,
 Watsonville.

Architect—A. W. Story, Pajaro Valley
 Bank Bldg., Watsonville.

Following is a complete list of bids:
 Wm. Radtke, Gilroy.....\$31,800
 P. T. Wallstrom, Watsonville.....31,800
 C. E. Burks.....32,796
 T. H. Rosewall, Watsonville.....32,960
 J. H. Graham.....33,815
 Grant L. Miner, Palo Alto.....25,966
 Wilson & McGranahan, Santa
 Cruz.....37,484
 Fred McCrarty, Monterey.....39,990
 Bids held under advisement. Contract
 will probably be awarded to P.
 T. Wallstrom.

GOVERNMENT WORK AND SUPPLIES

Low Bidder.

PAINTING Cost, \$—
SAN FRANCISCO. Fort Mason.
 Paint iron, etc., on certain portions of
 warehouses.

Owner—U. S. Government.

Architect—None.

Low Bidder—Piedmont Pacific Deco-
 rating Co., 1717 Webster St., Oak-
 land, \$3,500.

Bids held under advisement for a
 few days.

HAWTHORNE, Nevada.—Savage &
 Son, Reno, Nev., at \$4,712 submitted
 low bid to Bureau of Yards and Docks,
 Navy Department, under Specification
 No. 5146, to install refrigerators and
 machines at Naval Ammunition Depot,
 Hawthorne. Other bids: Austin
 Houser, Reno, Nev., \$4,748; C. V. Hill
 & Co., Inc., Trenton, N. J., \$5,373.

JUNEAU, Alaska.—Kimball Bros.,
 Council Bluffs, Iowa, at \$15,122 awarded
 contract by Supervising Architect,
 Treasury Department, to install two
 passenger elevators in postoffice in
 Juneau.

SAN FRANCISCO.—Until June 9, 10
 A. M., under Schedule No. 928-30-311
 bids will be received by Quartermas-
 ter Supply Officer, General Depot,
 Fort Mason, to furnish and deliver 6
 water heaters, circulating, electric,
 3 heat, 2000 watt, 100-122 volts, with
 switch, complete with pipe fittings.
 To be equal and similar to #432W14.
 Edison Elec. App. Co. To be packed
 in wooden cases, iron strapped, suit-
 able for export shipment.

SAN FRANCISCO.—Until June 9, 10
 A. M., under Schedule No. 928-30-311,
 bids will be received by Quartermas-
 ter Supply Officer, General Depot,
 Fort Mason, to furnish and deliver one
 cutting blowpipe, with 75 degree
 angle pressure forged head, low pres-
 sure injector nozzle with four extra
 annealed copper nozzles of the one
 piece type. To be equal and similar
 to type #C14 of the Oxweld Acety-
 lene Co.

SAN FRANCISCO.—Until June 9,
 10 A. M., under Schedule No. 928-30-
 311, bids will be received by Quartermas-
 ter Supply Officer, General Depot,
 Fort Mason, to furnish and deliver:
 200 cast bronze markers; miscellane-
 ous paints; 100 electric carbons for
 Columbia searchlights; 24 heating
 hotplates; electric switches; 15,000 ft.
 guy wire; 72 boiler couplings; miscel-
 laneous lumber, etc. Further infor-
 mation obtainable from above.

WASHINGTON, D. C..—Bids are be-
 ing received by Bureau of Supplies and
 Accounts, Navy Department, Wash-

ington, D. C., to furnish and deliver
 miscellaneous supplies and equipment
 as noted in the following schedules,
 further information being available
 from the Navy Department Officer,
 100 Harrison St., San Francisco:

Bids Open June 17

Eastern and western yards, augers,
 bits, wood boring, screw driver, chis-
 els, knives, scrapers, scribers and
 spatulas, sch. 1497.

Mare Island, 1 belt driven outside
 open type molder, sch. 3505.

Mare Island, 1 steel box car, 100,000-
 lb. capacity and 2 steel flat cars, 100,
 000-lb. capacity, sch. 3596.

San Diego, 1 tractor with crane at-
 tachment, sch. 3515.

Puget Sound, 3 motor ambulances,
 sch. 3508.

Eastern and western yards, 5 library
 kodascopes and 10 combined balot-
 ticans, sch. 3513.

Western yards, copper-nickel alloy,
 bar and shot, sch. 3518.

Mare Island, 20 hand-operated sew-
 ing machines; Mare Island, 5 motor-
 driven sewing machine; Puget Sound,
 1 do, sch. 3536.

Philadelphia, 6,000 lbs. rolled man-
 ganese nickel; Mare Island, 8,000 do,
 sch. 3519.

Hawthorne, 1 metal storage rack,
 sch. 3527.

San Pedro, 2 CO2 transfer unit, com-
 plete with electric motor, sch. 3540.

F. O. B. works, 110 electric refrig-
 erators and 39 electric refrigerating
 units, sch. 3522.

Bids Open June 24

San Diego, 4,900 lbs. steel forgings,
 sch. 3542.

MARCH FIELD, Riverside Co., Cal.

Constructing Quartermaster,
 March Field, will advertise for bids
 within a few days for the erection of
 a hospital building and twelve sets
 of non-commissioned officers' quar-
 ters at March Field, near Riverside.
 They will be reinforced concrete
 structures and will cost approximately
 \$250,000.

Plans Being Figured—Bids Close June
 16th.

LAVATORY BLDGS. Cost, \$—
MONTEREY, Monterey Co., Cal. Pres-
 idio of Monterey.

Frame lavatory buildings, six 52x20-
 ft. and one 14x20-ft.

Owner—U. S. Government.

Architect—Post Quartermaster, Pres-
 idio of Monterey.

The project will involve a large
 amount of plumbing, comprising 12
 water closets, 15 or 20 wash basins,
 hot water tanks and hot water heat-
 ers. A deposit of \$10 is required for
 plans, obtainable from the Post Quar-
 termaster at the Presidio, Monterey.

SAN FRANCISCO.—Until June 13,
 11 A. M. (Under Specification 6200),
 bids will be received by Public
 Works Officer, Twelfth Naval Dis-
 trict, 100 Harrison Street, to provide
 and secure an inclosing partition in
 corner of office on third floor of Ma-
 rine Corps Depot of Supplies, 100
 Harrison Street. Specifications obtain-
 able on deposit of \$5 returnable.

SAN FRANCISCO.—Until June 13,
 11 A. M., under specification 6198, bids
 will be received by Public Works Of-
 ficer, 12th Naval District, 100 Harrison
 St., to provide and secure a temporary
 structure or penthouse on roof of Ma-
 rine Corps Depot of Supplies, 100 Har-
 rison St. Specifications obtainable on
 deposit of \$5.

SAN FRANCISCO.—Piedmont Pacific
 Decorating Co., 1717 Webster St.,
 Oakland, at \$537 submitted lowest bid
 to Public Works Officer, Twelfth Na-
 val District, 100 Harrison Street, for
 painting exterior Quarters No. 1 of
 Receiving Ship Station at Yerba Bu-

ena Island, San Francisco Bay. Contract
 will involve all exterior wood-
 work, wood shingles and tin roofs and
 foundation walls.

Following is a complete list of bids:
 Piedmont Pacific Decorating Co.,

Oakland.....\$ 547
 J. Chaban, San Francisco.....642
 J. H. Devert, Inc.....700
 D. E. Burgess, San Francisco.....778
 A. Quandt & Son, San Francisco, 1,978
 Bids referred to Washington for
 award.

MARE ISLAND, Calif..—Following
 bids received by Public Works Officer,
 Mare Island Navy Yard, for reinforcing
 by arc-welded metal strips one
 190-ft. steel chimney at Mare Island
 Navy Yard.

Alt. No. 1, ded. for omission of paint-
 ing.

Soule Steel Co., Rialto Bldg., San
 Francisco, \$9,980; (1) \$1,080.

Welding Eng. Co., San Francisco,
 \$10,525; (1) \$616.

Brown Bros. Welding Co., San Fran-
 cisco, \$18,281; (1) \$810.

Bids held under advisement.

HAWTHORNE, Nevada.—Until June
 10, 10 A. M., bids will be received by
 Bureau of Supplies and Accounts,
 Navy Department, Washington, D.
 C., to furnish railway cars for Naval
 Ammunition Depot project at Haw-
 thorne, Nev. Specifications and fur-
 ther information obtainable from Pub-
 lic Works Officer, Twelfth Naval Dis-
 trict, 100 Harrison St., San Francisco

OAKLAND, Calif..—U. S. Army Board
 of Engineers has recommended a chan-
 nel leading to the Oakland outer har-
 bor be practically doubled in width.
 The present channel starting at Goat
 Island shoal, is 400 feet wide for the
 entire distance of between 4000 and
 5000 feet. The new plan calls for a
 width of 800 feet at the outer en-
 trance, gradually narrowing to 600 at
 the outer harbor basin. The esti-
 mated cost of the work is placed at
 \$197,500, with a yearly maintenance
 cost of \$10,000, in addition to amount
 now required, according to Associated
 Press dispatches from Washington.

HAWTHORNE, Nevada.—Schuier &
 McDonald, Inc., Oakland, at \$32,491
 awarded contract by Bureau of Yards
 and Docks, Navy Department, under
 Specification No. 6112, for beach de-
 velopment, fence, etc., at Hawthorne
 Naval Ammunition Depot.

HAWTHORNE, Nevada.—Bids will
 be asked shortly by Bureau of Yards
 and Docks, Navy Department, Wash-
 ington, D. C., under Specification No.
 6162, for Fire Alarm System, at the
 Naval Ammunition Depot, Hawthorne,
 Nevada. The work consists of a fire
 alarm system consisting of call boxes,
 accessories, equipment and wiring.
 When available, plans and specifica-
 tions may be obtained from District
 Public Works Officer, Room 513, 100
 Harrison Street, San Francisco, on
 deposit of \$10.00, check or money order
 payable to the Chief of the Bureau
 of Yards and Docks.

MARE ISLAND, Calif.—McDonald
 & Kahn, Financial Center Bldg., San
 Francisco, awarded the excavation
 contract to D. McDonald, 1118 D. St.,
 Sacramento, in connection with the
 construction of shell houses and con-
 structing an extension to the railroad
 at the Mare Island Navy Yard.

PAJO ALTO, Santa Clara Co., Cal.
 —Webster Eng. Co., 474 Sutter St.,
 San Francisco, at \$5,465 awarded con-
 tract by U. S. Veterans' Bureau to in-
 stall gas mains and gas burners at
 Veterans' Hospital, Pajo Alto.

DENVER, Colo.—Until July 1, under Specification No. 512, bids will be received by U. S. Bureau of Reclamation, Denver, for furnishing one 6,000 hp. vertical hydraulic turbine with governor and governor pump, one governor operated pressure regulator, one 66-in. motor-operated butterfly valve, one 5,000-kva. alternating current generator, four 1,667 kva. 2,000 to 19,100-33,000 V volt transformers and one switchboard and auxiliary apparatus for the Shoshone power plant, Shoshone project, Yto.

HALLS AND SOCIETY BUILDINGS

SAN JOSE, Santa Clara Co., Cal.—I. O. O. F. Lodge of San Jose is reported to have appointed a committee to secure preliminary estimates for a modern lodge building to replace the present quarters at Third and Santa Clara Streets. Local business interests are said to have completed negotiations for leasing the ground floor of the new structure.

Foundation Plans Being Prepared
CLUB HOUSE Cost, \$50,000
BELVEDERE, Marin Co., Cal.
One-story frame and stucco club

house.
Owner—San Francisco Yacht Club.
Architect—H. H. Gutterston, 526 Powell St., San Francisco.
Bids will be taken in thirty days.

Bids Opened.
LODGE BLDG. Cost, \$10,000
ESCALON, San Joaquin Co., Calif.
Two-story brick class C lodge building (banquet hall, kitchen and

lodge rooms).
Owner—Masonic Lodge.
Architect—Davis-Pearce Co., Grant & Weber Sts., Stockton.

Following is a complete list of bids:
General Work
John Cavanaugh, 219 N. Sutter

St., Stockton	\$7,285
F. T. Guyon, Stockton	7,400
John Hackman, Stockton	8,050
L. Uebels, Ripon	8,070
C. Brayton, Escalon	8,236
T. E. Williamson, Stockton	9,871

Plumbing
C. Brayton, Escalon\$567
Miller Hays Co., Stockton 578
L. Grant, Stockton 617
Bids held under advisement.

Bids To Be Taken In One Week
RECREATION BLDG. Cost, \$100,000
EURKEA, Humboldt Co., Calif.

Two-story reinforced concrete recreation building (swimming pool, bowling alleys, etc.)

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, Phelan Bldg., San Francisco, president.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Plans Being Prepared.
RECREATION BLDG. Cost, \$125,000
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete recreation building.

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, Phelan Bldg., San Francisco, president.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Bids will be taken in about 20 days.

Preparing Working Drawings.
RECREATION BLDG. Cost, \$100,000
SANTA CRUZ, Santa Cruz Co., Calif.
Two-story reinforced concrete recreation building (swimming pool, bowling alleys, etc.)

Owner—Interstate Recreation Corp., Ltd., J. B. Munjar, Phelan Bldg., San Francisco, president.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Plans will be ready for bids in three weeks.

Sub-Contracts Awarded.
BUILDING Cost approx. \$230,000
OAKLAND, Alameda Co., Calif. 15th and Grove Sts.

Six-story and basement class C steel frame and concrete building.

Owner—Salvation Army.
Architect—Douglas Stone, Gt. Western Power Bldg., Oakland.

Contractor—Jacobs and Pattian, 337 17th St., Oakland.

Excavation—Ariss-Knapp Co., 961 41st St., Oakland.

Plumbing and Heating—Scott Co., 113 10th St., Oakland.

Other awards will be made shortly. Construction will be started today.

HOSPITALS

Plans Being Figured—Bids Close June 14, 11:30 A. M.

ADDITIONS Cost, \$—
AHWAHNEE, Madera Co., Cal.

One-room school and porch additions to hospital unit.

Owner—Tri-County Tuberculosis Sanatorium Committee of Madera, Merced and Stanislaus Counties, V. D. Whitmore, chairman, Ahwahnee.

Engineer—W. E. Bedesen, Shaffer Bldg., Merced.

Certified check 10% payable to chairman of committee required with bid. Plans obtainable from engineer on deposit of \$10, returnable.

Bids Opened.
HOSPITAL Cost, \$400,000
PALO ALTO, Santa Clara Co., Calif.

On State Highway north of Palm Drive.

Four-story reinforced concrete hospital (100-bed capacity).

Owner—City of Palo Alto.
Architect—Reed and Corlett, Oakland

Bank Bldg., Oakland.
Laundry, heating plant, kitchen and

store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and 3rd floors

will be devoted to accommodations of patients in addition to two, three- and four-room wards and 15-room nursery.

Large sun porch will also be located on second floor. Fourth floor will be given over to surgery.

Following is a complete list of bids:
K. E. Parker, 135 South Park,

San Francisco	\$341,650
Jas. L. McLaughlin, S. F.	355,853
D'widdle Const. Co., S. F.	359,500

W. C. Keating, Oakland	360,000
R. W. Littlefield, Oakland	361,000

Mahony Bros., San Francisco	361,000
Monson Bros., San Francisco	363,860

MacDonald & Kahn, S. F.	365,000
Barrett & Hilp, S. F.	365,884

Jacks & Irvine, S. F.	377,324
Anderson & Ringrose, S. F.	382,000

E. T. Letter & Son, Oakland	396,817
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Bids held under advisement until June 9. Complete list of the alternates available from this office today.

Plans To Be Prepared.
DETENTION HOME Cost, \$35,000
SAN LUIS OBISPO, San Luis Obispo

Co., Calif.
Seven-acre site in vicinity of General Hospital.

Fireproof Juvenile Detention Home.

Owner—County of San Luis Obispo.

Architect To Be Selected.

SANTA BARBARA, Cal.—Johnson & Hansen, 64 N. Fir St., Ventura, submitted low bid to Santa Barbara

county supervisors and were awarded contract at \$18,834 for the construction of a psychopathic ward at the

Santa Barbara County Farm. Edwards & Plunkett, architects, Santa Barbara. The building will be a one-story structure, 36x93 feet, and will contain 13 rooms: frame and stucco construction, tile and composition roof, metal and wood lath, pine trim, cement floors, steam heat. Other bids were: J. J. Munnenmann, \$19,975; Roy L. Richardson, \$20,437; Chas. M. Urton, \$21,757; Avery, Noble & Ellsworth, \$22,789; Cicero & Adrian, \$23,209.

Contracts Awarded.
MOTHER HOUSE Cost, \$95,000
MISSION SAN JOSE, Alameda Co.

Three-story reinforced concrete Spanish type "Mother House" (stucco exterior; tile roof; main facade 136 feet long).

Owner—Female Religious of the Order of St. Dominic.

Architect—Arnold Constable, 580 Market St., San Francisco.

Structural Engineer—W. Adrian, 417 Market St., San Francisco.

Mechanical Engineer—Coddington Co., 222 Kearny St., San Francisco.

Contractor—S. Rasori, 74 New Montgomery St., San Francisco.

Plastering and Cast Stone—Herman Bosch, 449 Fulton St., San Francisco, \$18,600.

Following is a complete list of bids:

S. Rasori, San Francisco	\$79,758
J. P. Brennan, Redding	80,813

Barrett & Hilp, S. F.	81,172
Mutter Bros., Los Angeles	82,300

R. J. Broderick, S. F.	82,475
Schuler & MacDonald, Oakland	84,373

Megna & Newell, San Jose	86,900
H. C. Miller, Santa Clara	89,297

Plans Being Figured—Bids Close July 7, 10 A. M.

ADDITION Cost, \$150,000
REDWOOD CITY, San Mateo Co.,

Cal. County Hospital grounds at Beresford.

Three-story reinforced concrete wing addition to county hospital.

Owner—County of San Mateo, Elizabeth M. Kneese, County Clerk.

Architect—Will H. Toepeke, Call Bldg., San Francisco.

Separate bids are wanted for:

No. 1—General contract which includes such work as reinforced concrete, carpenter work, glazing, lathing, plastering, roofing, hard-

ware, mill work, sheet metal work, etc. (also state deduction for Tiletex floors)

No. 2—Hot water heating, ventilating, etc., (also state deduction if hot water heating is changed to steam).

No. 3—Electric wiring, conduit work, etc.

No. 4—Painting, varnishing, etc.

No. 5—Elevators.

No. 6—Plumbing, sewerage and gas fitting.

Certified check 10% payable to County Treasurer required with bid. Plans obtainable from architect on deposit of \$25, returnable.

HOTELS

Contract Awarded.
ADDITION Cost, Approx. \$250,000
PHOENIX, Arizona.

Two-story Class A steel frame and concrete addition to hotel (120x 220 ft.) (2 reinforced concrete dormitories for employees, each 52x 120 ft.)

Owner—Arizona Biltmore Corp.

Architect—Earl T. Heitschmidt, 807 Subway Terminal Bldg., L. A.

Contractor—Wm. J. Simpson, Constr. Co., Architects Bldg., Los Angeles.

Contract Awarded.

ADDITION Cost, \$300,000
RIVERSIDE, Riverside Co., Cal. Sixth and Main Sts.

Five-story reinforced concrete Class A hotel addition.

Owner—Mission Inn, Riverside.
 Architect—G. Stanley Wilson, 3646 W. Ninth St., Riverside.

Contractor—Wurstner Constr. Co., Architects Bldg., Los Angeles.

Plans Completed—Contract To Be Awarded Shortly.

ADDITION Cost, \$300,000
RIVERSIDE, Riverside Co., Cal. Sixth and Main Streets.

Steel and reinforced concrete addition to present building.

Owner—Mission Inn, Premises.
 Architect—G. Stanley Wilson, 3646 W. Ninth St., Riverside.

Contract Awarded.

HOTEL Cost, \$22,000
SALINAS, Monterey Co., Cal. Natividad Street

Two-story concrete and wood hotel and stores (21 rooms, 2 stores).

Owner—Withheld.
 Architect—W. W. Hastings, Tyler St., Monterey.

Contractor—Sam Trondhim, premises.

Contract Awarded.

ADDITION Cost, \$700,000
PASADENA, Los Angeles Co., Cal. No. 125 S. Grand Avenue.

Seven-story and basement reinforced concrete hotel addition (182 rooms)

Owner—Hotel Vista del Arroyo.
 Architect—George Wiemeyer, 110 Sutter St., San Francisco.

Contractor—Orndorff Constr. Co., 437 Hill St., Los Angeles.

Date Of Opening Bids Postponed Until June 16th, 12 Noon.

HOTEL Cost, \$500,000
EUREKA, Humboldt Co., Calif. NW Fourth and F Sts.

Ten-story class B reinf. concrete 200-room modern hotel building.

Owner—Pickwick Co. (Ed. Thompson, 5th and Mission Sts., San Francisco, in charge).

Architect—O'Brien Bros. and W. D. Feugh, 315 Montgomery St., San Francisco.

As previously reported, soundings by Mercer-Fraser Co., Eureka.

POWER PLANTS

TACOMA, Wash.—J. E. Bonnell & Sons, Tacoma, at \$235,735 for sandstone, \$235,753 for terra cotta and \$161,735 for rubbed concrete, submitted low bid to city council for construction of superstructure for the Cushman Power House No. 2. Bids, all taken under advisement, were:

J. E. Bonnell & Sons, Tacoma, item A, sandstone, \$235,735; item B, terra cotta, \$235,735; item C, rubbed concrete, \$161,735.

L. H. Hoffman, Portland, item A, \$251,877; item B, \$257,877; item C, \$167,377.

Ward Constr. Co., Tacoma, item A, \$263,655; item B, \$270,905; item C, \$181,045.

PASADENA, Cal.—Until June 19, 10 A. M., bids will be received by Bessie Chamberlain, city clerk, to furnish, deliver and install equipment for Municipal Lighting Plant, as follows:

(a) Two 15,000 sq. ft. (approx.) boilers including boiler proper, steel supporting members, super-heater, water columns, valves and appurtenances.

(b) Two suitable air pre-heater and including enclosing casing as specified.

(c) Two sets of tubes, headers, connections, recirculators, etc., for side, rear and front furnace walls for use in conjunction as set forth in item (a)

(d) Two suitable automatic desuperheaters as specified.

Specifications obtainable from above.

OAKLAND, Cal.—Ducommun Corp., 656 Townsend St., San Francisco, at \$657.60 awarded contract by East Bay Municipal Utility District to furnish and deliver 4000 ft. ¾-in. copper service wire, gauge .065 in 60 ft. reels.

Other bidders were: American Brass Co., San Francisco, \$666.40; Chase Brass Co., \$855.30; H. Mueller Co. \$864.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS**Bids Opened.**

FIRE HOUSE Cost, \$—
SAN FRANCISCO, W 18th Ave, 225 N Rivera St.

Mission and Spanish style 50 by 120-ft. fire house (cement plaster and hollow tile construction).

Owner—City and County of San Francisco.

Architect—Bureau of Architecture, Board of Public Works, 2nd floor, City Hall.

Following is a complete list of bids received:

General Contract	
F. J. Reilly, 6350 Fulton St.....	\$26,765
H. H. Larsen	27,783
Vogt & Davidson	28,347
C. C. W. & H. H. Haun	28,487
H. L. Peterson	28,497
Sorenson & Haggmark	28,770
J. H. Johnson	28,781
F. C. Amoroso	29,000
Tholander Const. Co.	29,395
J. S. Hannah	29,997
I. Epp & Son	32,623

Electrical Work	
Atlas Electric Co, 343 4th St.....	\$1,640
E. F. Dowd	1,667
R. Flatland	1,808
Strom and Smith	1,850
C. C. Severin	1,890
Apex Electric Co.	1,960
G. H. Armstrong	1,999
Alta Electric Co.	2,080
W. B. Baker & Son	2,250
A. P. Porter	2,313

Plumbing	
Thos. Skelly, 1344 9th Ave.....	\$6,471
Scott Company	6,676
Aaron Company	6,975
Herman Lawson	7,163
G. Frankel	7,197
O'Mara & Stewart	7,246
Higgins & Kraus	7,336
Dowd Welsh	8,367
Henry Ernest & Co.	8,862

Contract Awarded.
HALL OF JUSTICE Cost, \$99,700
PASADENA, Los Angeles Co., Cal. North Garfield Avenue.

Four-story reinforced concrete hall of justice.

Owner—City of Pasadena.

Architect—Jos. J. Bick and W. W. Warren, 1247 E. Green St., Pasadena.

Contractor—W. T. Leech & Son, 109 S. Chester Ave., Pasadena

Other awards as follows:

Plumbing to Coony & Winterbottom, 25 N. Michigan Ave., Pasadena, at \$12,082; Ross Heating & Sheet Metal Co., 21 S. Chester Ave., on the heating at \$7457; electric wiring to J. B. Morgan, 43 E. Green St., Pasadena, at \$3387; elevators to Safety Elevator Corp., 1978 S. Los Angeles St., Los Angeles, at \$10,600; jail equipment to Pauly Jail Building Co., St. Louis, represented by Wm T. Carpenter, 634 Kenneth Rd., Glendale, at \$24,688.

Contract Awarded.

JAIL Cost, \$33,980
HILLSBORO, Oregon. Washington County jail.

Owner—County of Washington.
 Architect—Orlo R. W. Hossack, Terminal Sales Bldg., Portland.

Contractor—Hord - Brooks Co., Inc., Portland.

Jail Equipment—C. J. Hillard Co., San Francisco, \$6,175. Pauley Jail Bldg. Co. bid \$16,420 and Geo. W. Zerr, Portland, \$9,280.

Electric Work—Davidson Electric Co., Portland, \$891.85.

Plumbing and Heating—Eugene Ruedy Portland, \$2,896 and \$1,894 respectively.

OROVILLE, Butte Co., Cal.—County Grand Jury, in annual report, recommends to supervisors the erection of a new county courthouse, hall of records building, repairs to county infirmary and the erection of a new one-story detention home.

Sub-Bids Being Taken

CITY HALL Cont. Price, \$7950
MORGAN HILL, Santa Clara Co. Cal. One-story brick city hall.

Owner—City of Morgan Hill.
 Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Contractor—Nils E. Johnson, 270 Monterey Blvd., San Francisco.

RESIDENCE

Plans Being Figured.
ALTERATIONS Cost, \$12,090
PIEDMONT, Alameda Co., Calif. 16 Wildwood Gardens.

Alterations and additions to two-story frame and stucco residence.

Owner—William Gardner.
 Architect—Sidney, Noble and Archie Newsom, Federal Realty Building, Oakland.

Contract Awarded.
ALTERATIONS Cost, \$5000
BERKELEY, Alameda Co., Calif. San Luis Road.

Alterations to frame and stucco residence.

Owner—Dr. Leroy Hahn.
 Architect—Sidney, Noble and Archie Newsom, Federal Realty Building, Oakland.

Contractor—Louis Hanson, 2505 Virginia St., Berkeley.

Contract Awarded—Sub-Bids Being Taken.

RESIDENCE Cost, \$7500
STOCKTON, San Joaquin Co., Cal. Oxford Manor.

Two-story brick veneer residence (6 rooms).

Owner—G. A. Turner (State Realty Co.), Stockton.

Architect—J. U. Cloudsley, Exchange Bldg., Stockton.

Contractor—William Peenstra, 2261 Kensington St., Stockton.

Contract Awarded.
RESIDENCE Cost, \$10,000
OAKLAND, Alameda Co., Cal. E Oakmore Road N Casterline Road.

One-story frame and stucco residence (5 rooms).

Owner—W. Hazen.
 Architect—None.
 Contractor—J. E. Petersen, 4021 Agua Vista Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, \$11,000
BERKELEY, Alameda Co., Cal. 2112 Euclid Ave.

Two-story frame and stucco residence (10 rooms and garage).

Owner—De Lase W. Lee.
 Plans by Mr. McBride.
 Contractor—R. C. McBride, 4127 Broadway, Oakland.

Contract Awarded.

RESIDENCE Cost, \$18,000
 SAN JOSE, Santa Clara Co., Cal.
 Margaret and Fifteenth Sts.
 Two-story frame and stucco residence
 (10 rooms).

Owner—Dr. G. L. Barry, Medico-
 Dental Bldg., San Jose.

Architect—Warren Skillings, Ameri-
 can Trust Bldg., San Jose

Contractor—G. M. Latta, 157 Rhodes
 St., San Jose.

Contract Awarded.

RESIDENCE Cost, \$19,436
 MONTEREY, Monterey Co., Cal.
 Two-story frame and stucco residence
 Owner—Colonel Roger S. Fitch, Mon-
 terey.

Architect—Reginald D. Johnson, Ar-
 chitects Bldg., Los Angeles.

Contractor—M. J. Murphy, Inc., Monte
 Verde and Ninth Sts., Carmel.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$14,000
 WALNUT GROVE, Sacramento Co.,
 Cal. Withheld.

Two-story brick veneer residence.
 Owner—Withheld.

Architect—J. U. Cloudsley, Exchange
 Bldg., Stockton.

Preliminary Plans Being Prepared.

RESIDENCE Cost, \$9900
 STOCKTON, San Joaquin Co., Cal.
 Location Withheld.

One-story frame and stucco residence
 Owner—Withheld.

Architect—J. U. Cloudsley, Exchange
 Bldg., Stockton

To Be Done By Day's Work.

RESIDENCE Cost Approx. \$25,000
 BERKELEY, Alameda Co., Cal. No.
 1140 Grizzly Peak Blvd.

Two-story frame and stucco residence
 (10 rooms).

Owner—Helen Mauzy, 5520 College
 Ave., Oakland.

Architect—Wm. Mooser, Monadnock
 Bldg., San Francisco.

Supt. of Constr.—Arthur W. Shaw,
 5520 College Ave., Oakland.

Preparing Working Drawings.

ALTERATIONS Cost, \$—
 PEBBLE BEACH, Monterey Co., Cal.
 Alterations to two-story frame and
 stucco residence.

Owner—Withheld.
 Architect—W. E. Milwain, Pacific
 Bldg., Oakland.

Plans Being Figured—Bids Close June

11h.
 BUNGALOW COURT Cost, \$18,000
 MONTEREY, Monterey Co., Calif. El
 Dorado and Monraz Sts.
 One-story frame and stucco bungalow
 court.

Owner—Mrs. Haskell.
 Architect—W. W. Hastings, Tyler St.,
 Monterey.

Bids are being taken from a selected
 list of contractors.

Contract Awarded.

RESIDENCE Cont. price, \$8500
 SAN JOSE, Santa Clara Co., Cal. S
 Fifteenth St.

Two-story frame and basement frame and
 stucco Spanish type residence (9
 rooms; tile roof).

Owner—John W. Drew, San Jose.
 Architect—Chas. McKenzie, Bank of
 San Jose Bldg., San Jose.

Contractor—E. H. Painter, Gordon
 Ave., San Jose.

Bids Opened—Held Under Advisement

RESIDENCE Cost, \$—
 SAN FRANCISCO, Broadway.
 Two-story frame and stucco residence
 (14 rooms).

Owner—Julian Thorpe.
 Architect—Farr & Ward, 68 Post St.

Low Bidder.

RESIDENCE Cost, \$18,000
 SANTA CLARA, Santa Clara Co., Cal.
 Two-story frame and stucco residence
 (11 rooms).

Owner—Mr. McAllister.
 Architect—A. A. Cantin, 544 Market
 St., San Francisco.

Low Bidder—J. C. Monk, Los Gatos.

Construction Indefinitely Postponed.

RESIDENCE Cost, \$8000
 OAKLAND, Alameda Co., Cal. Palm
 Avenue.

Two-story frame and stucco residence.
 Owner—George Lewis.

Architect—Ray Keefer, 3281 Lake-
 shore Blvd., Oakland.

Contract Awarded.

RESIDENCES Cost each \$5000
 SAN FRANCISCO, Girard, 64 N Olm-
 stead St.

Two 1-story and basement frame and
 stucco residences.

Owner—J. Koblin, 1230 Silver Ave.
 Architect—None.

Contractor—F. Amatore, 1392A Hamp-
 shire St.

Plans Being Figured.

RESIDENCE Cost, \$3500
 LOS ALTOS, Santa Clara Co., Cal.
 Two-story frame and stucco residence

Owner—Mrs. H. A. Kunz, 2265 Larkin
 St., San Francisco.

Architect—Pring & Lesswing, 605 Mar-
 ket St., San Francisco.

Contract Awarded.

RESIDENCE Cost, \$6800
 EVERGREEN, Santa Clara Co., Cal.
 One-story frame and stucco residence
 (6 rooms).

Owner—William Pfeffer.
 Architect—Wolfe & Higgins, Realty
 Bldg., San Jose.

Contractor—James Perkins, 34 S.
 34th St., San Jose

Heating bids are held under advise-
 ment.

Plans Being Prepared — Contract

Awarded.
 RESIDENCE Cost, Approx. 40,000
 PIEDMONT, Alameda Co., Cal. Sea-
 view Avenue.

Two-story brick veneer residence (all
 modern conveniences).

Owner—Richard Rheem, 473 30th
 Ave., San Francisco.

Architect—Alben Froberg, Ray Bldg.,
 Oakland.

Contractor—H. J. Christensen, Ray
 Bldg., Oakland.

Plans Being Figured — Bids Close

June 10.
 RESIDENCE Cost, \$—
 HILLSBOROUGH, San Mateo Co.

Two-story frame and stucco residence
 (10 rooms).

Owner—Withheld.
 Architect—Farr & Ward, 68 Post St.,
 San Francisco.

Plans Being Completed.

RESIDENCE Cost, \$10,000
 SAN JOSE, Santa Clara Co., Cal.
 One-story frame and stucco residence

Owner—O. A. Harlan.
 Architect—Wolfe & Higgins, Realty
 Bldg., San Jose.

Bids will be taken June 7 for a
 general contract.

Heating Contract Awarded

RESIDENCE Cont. price, \$21,923
 SAN FRANCISCO, N Lake St. West
 13th Ave.

Two-story and basement frame and
 stucco residence.

Owner—H. B. Allen, Inc., 163 Sutter.
 Architect—Hyman and Appleton, 63
 Post St

Contractor—Jacks & Irvine, 74 New
 Montgomery St.

Heating: E. Sugarman, 3624 Geary
 St., at \$2,095.

Contract Awarded.

ALTERATIONS Cost, \$25,000
 MONTEREY, Monterey Co., Cal.
 Monraz Street.

Alterations and additions to two-story
 frame and stucco residence.

Owner—Governour Morris, Carmel.
 Plans by W. W. Hastings, Tyler St.,
 Monterey.

Contractor—S. A. Hooke, Larkin St.,
 Monterey.

Construction will start in about one
 week.

Plans To Be Prepared

BUNGALOWS Cost, \$—
 PITTSBURG, Contra Costa Co., Cal.
 North of High School Property.

Modern price bungalows in 20-acre
 subdivision.

Owner—C. A. Hooper & Co., Pitts-
 burg.

Plans by Owner.
 Hutchinson & Co. of Oakland have

been awarded contract for sewer and
 street work in the sub-division and
 the erection of homes, about 150 in
 all, will be started upon completion of
 the Hutchinson contract.

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Contract Awarded.

RESIDENCE Cost, \$18,500
 SAN MATEO, San Mateo Co., Cal.
 Baywood Tract.

Two-story frame and stucco residence
 (9 rooms and 3 baths).

Owner—Herbert A. Thayer.

Plans by Grimes & Schoening, Bal-
 vico Bldg., San Mateo.

Contractor—Buschke & Johnson, 223
 Third St., San Mateo.

Plans To Be Figured By Selected List
 Of Contractors June 4.

BUNGALOW COURT Cost, \$18,000
 MONTEREY, Monterey Co., Cal. El
 Dorado and Monraz Sts.

One-story frame and stucco bungalow
 court.

Owner—Mrs Haskell.

Architect—W. W. Hastings, Tyler St.,
 Monterey.

Plans Being Figured—Bids Close June
 9, 8 P. M.

DWELLING Cost, \$—
 MARYSVILLE, Yuba Co., Calif. At
 sewer farm.

One-story 5-room frame dwelling.

Owner—City of Marysville, Chester O.
 Gates, city clerk.

Private Plans.

Certified check 10% payable to city
 required with bid. Plans on file in
 office of city clerk.

Plans Being Figured—Bids Close June
 12th.

RESIDENCE Cost, \$7000
 SAN JOSE, Santa Clara Co., Calif.
 Nagle Street.

One-story and basement frame and
 stucco residence.

Owner—J. S. Mise, 97 N Market St.,
 San Jose.

Architect—Wolfe and Higgins, Realty
 Bldg., San Jose.

Bids To Be Taken In One Week.

RESIDENCE Cost, \$9000
 SANTA CRUZ, Santa Cruz Co., Calif.

One and one-half story frame and
 stucco residence (Spanish type).

Owner—L. W. Miller, Santa Cruz.

Architect—L. D. Esty, Alta Building,
 Santa Cruz.

Lumber Contract Awarded.

RESIDENCE Cost, \$21,500
 SAN FRANCISCO, Marina Blvd. E

Broderick St.

Two-story and basement frame and
 stucco residence (10 rooms).

Owner—Antone Zitsah, 2190 Union St.

Architect—Fabre and Hildebrand, 110
 Sutter St.

Contractor—Anthony J. Flagg, 2501
 Best Ave., Oakland.

Will have concrete basement, tile
 roof, tile baths and kitchen, hardwood
 trim, hardwood floors, refrigerators.

Lumber—Sudden Lumber Co., Evans
 and Quint Sts.

Completing Plans.

RESIDENCE Cost, \$—
 SANTA MONICA, Los Angeles Co.

Two-story reinforced concrete resi-
 dence (17 rooms; swimming pool,
 tennis courts, golf course, etc.)

Owner—S. C. Hawkins.

Architect—Vincent Palmer, 5419 W.
 Sixth St., Los Angeles.

Contract Awarded.

RESIDENCE Cost, \$12,500
 SAN FRANCISCO, NE Westgate and

Kenwood Aves.

Two and three-story frame and stucco
 residence (8 rooms and 3 baths).

Owner—Withheld.

Plans by D. E. Jaekle, Call Bldg.,
 San Francisco.

Contractor—G. W. Morris, 95 Pine-
 hurst Way, San Francisco.

Owner Taking Bids.

RESIDENCE Cost, \$5000
 BERKELEY, Alameda Co., Cal. Co-
 lusa and Visalia Sts.

One-story frame and stucco residence
 (5 rooms).

Owner—L. Coyne, 933 York Dr., Oak-
 land.

Architect—Williams and Wastell, 374
 17th St., Oakland.

Contract Awarded.

RESIDENCE Cost, \$30,000
 SANTA BARBARA, Cal. Hope Ranch

Park.

Mediterranean type residence.

Owner—Milton Geyman.

Architect—Soule, Murphy & Hastings,
 115 E. Solá St., Santa Barbara.

Contractor—Peter Davidson, 1223 E.
 Montecito St., Santa Barbara.

Planned.

RESIDENCE Cost, \$25,000
 LOS GATOS, Santa Clara Co., Cal.

Two-story frame and stucco residence

Owner—N. T. Bradford, President
 Western Well Drilling Co., 522

W. Santa Clara St., San Jose.

Plans by George Koher, Commer-
 cial Bldg., San Jose.

Construction Started.

RESIDENCE Cost, \$25,000
 PIEDMONT, Alameda Co., Calif. St.

James Wood.

Owner—A. G. Murphy.

Architect—Sidney B. Noble & Archie
 Newsom, Federal Realty Building,

Oakland.

Contractor—George Maurer, 50 York
 Drive, Oakland.

Sub-bids are in and will be awarded
 shortly.

Low Bidder.

RESIDENCE Cost, \$15,000
 SAN RAFAEL, Marin Co., Calif.

Two-story frame and stucco residence.

Owner—H. M. Eugens.

Architect—N. W. Sexton, deYoung
 Bldg., San Francisco.

Low Bidder—Otis H. Smith, Freitas
 Bldg., San Rafael.

SCHOOLS

CHICO, Butte Co., Cal.—Minneap-
 olis Steel & Machinery Co., Sharon

Bldg., Los Angeles, and Chapman

Bldg., Los Angeles, are taking sub-
 bids on hauling and erecting steel in

connection with the construction of a

two-story Italian type brick and con-
 crete assembly hall to seat 1500. It

is being erected at the State Teachers'

College, Chico, for the State of Cal-
 ifornia, from plans prepared by Archi-

tect George B. McDougall, Public
 Works Bldg., Sacramento. Cost, \$170,-

000. Other awards were reported
 May 2, 1930.

Bids To Be Taken Within A Few
 Days.

SCHOOL Cost, \$35,000
 (in bonds voted to finance)

FORTUNA, Humboldt Co., Cal.

One-story concrete school.

Owner—Fortuna School District.
 Architect—N. R. Coulter, 46 Kearny

St., San Francisco.

Completing Plans.

SCHOOL Cost, \$20,000
 YOUNTVILLE, Napa Co., Cal.

One-story three-classroom hollow tile

Spanish type school.

Owner—Yountville School District.
 Architect—Coffman, Sahlberg & Staf-

ford, Forum Bldg., Sacramento,
 and 3529 Emerson St., Oakland.

Bids will be taken in one week.

Plans Being Prepared.

SCHOOL Cost, \$10,000
 SIERRAVILLE, Sierra Co., Calif.

One-story frame school (composition

roof).

Owner—Sierraville School District.

Architect—Chester Cole, First Nation-
 al Bank Bldg., Chico.

Bids will be asked in July.

Plans Being Completed.

SCHOOL Cost, \$35,000
 LUCERNE, Lake Co., Calif.

Reinforced concrete grammar school.

Architect—N. R. Coulter, 46 Kearny
 St., San Francisco.

Bids will be taken in one week.

Plans Completed.

SCHOOL Cost, \$35,000
 LUCERNE, Lake Co., Cal.

Reinforced concrete grammar school.

Owner—Lucerne School District.

Architect—N. R. Coulter, 46 Kearny
 St., San Francisco.

Plans Being Figured—Bids Close June
 13, 10 A. M.

ADDITION Cost, \$—
 SAN LORENZO, Alameda Co., Cal.

Addition to high school.

Owner—San Lorenzo School District.

Architect—W. H. Weeks, Hunter-Du-

lin Building, San Francisco; 1735

Franklin St., Oakland, and Bank

of Italy Bldg., San Jose.

Certified check 10% payable to Board

of Trustees of district required with

bid. Plans obtainable from architect

on deposit of \$10, returnable.

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Bids Opened.

SCHOOL. Cost, \$—
 SAN JOSE, Santa Clara Co., Calif.
 Two-story reinforced concrete school.
 Owner—San Jose Board of Education.
 Architect—J. J. Donovan, 1916 Broad-
 way, Oakland.

Following is a complete list of bids:

General Work
 Swensen Const. Co., 47 West
 Santa Clara St., San Jose...\$145,850
 W. J. Ochs, San Jose...179,443
 E. T. Lesure, Berkeley...181,700
 J. W. Cobby & Son, San Jose...187,200
 Megna & Newell, San Jose...193,950
 Sjoborg & Sons, San Francisco 201,721
 R. O. Summers, San Jose...209,915
 E. Nommenson, San Jose...218,870

Sheet Metal
 Wm. Ehrlert, 954 Alameda St.,
 San Jose...\$11,592
 Wm. Serpa, San Jose...12,567
 A. J. Peters, San Jose...14,582
 East Bay Sheet Metal Works,
 Oakland...15,479
 C. L. Snyder Co., San Jose...16,757

Painting
 Patterson Bros., 494 36th Street,
 Oakland...\$ 9,300
 Chas. Lynds, San Jose...9,880
 Rafael Co., San Francisco...11,124
 A. Zelinsky, San Francisco...12,400
 Wm. Herman, San Jose...17,950
 Wm. Loos, San Jose...18,465
 W. McGinley, San Jose...18,750

Window Shades
 McKinley & Glans, 83 E Santa
 Clara St., San Jose...\$1,111
 Lion & Sons, San Jose...1,883

Roofing
 W. J. Porter, 1229 W San Car-
 los St., San Jose...5,548
 J. Bush, San Jose...6,131
 S. Hayden, San Jose...6,689

Ornamental Iron
 R. Hellwig Iron Works, San Jose...\$2,020
 H. Hellwig, San Jose...2,845
 San Jose Iron Works, San Jose...3,495

Encaustic Tile
 Rigney Tile Co., 3012 Harrison
 St., Oakland...\$7,147
 Art Tile & Mantel Co., S. F...7,760

Hardware
 San Jose Hardware Co., 56 W
 San Fernando St., San Jose...\$5,007
 Payne Hardware Co., San Jose...5,227
 Home Union, San Jose...5,534
 Gilbert Bros., 286 West Santa
 Clara St., San Jose...8,092
 R. M. Butcher, San Jose...8,746
 Coast Electric Service Co., San
 Jose...9,788
 Webb & Fleming, San Jose...9,983

Glass
 Cobbledick-Kibbe Glass Co., 666
 Howard St., San Francisco...\$2,447
 Garden City Glass Co., San Jose...2,592
 W. P. Fuller Co., San Francisco 2,624

Plastering
 J. Greenback, Hearst Bldg.,
 San Francisco...\$23,500
 J. Terranova, San Jose...24,890
 P. Donnelly, 5816 Lawton Ave.,
 Oakland...29,478
 H. Bridges, San Jose...29,928
 S. Cattano, San Jose...30,777
 E. T. Lesure, Berkeley...31,000
 J. Provenzano, San Jose...35,187

Plumbing
 Turner Co., 329 Tehama Street,
 San Francisco...\$18,461
 A. J. Peterson, San Jose...20,522
 Wm. Ehrlert, San Jose...23,993
 Wm. Serpa, San Jose...25,197
 H. Pascoe, San Jose...29,112
 C. L. Snyder Co., San Jose...30,567

Heating
 Pacific Heating & Vent. Co...\$22,350
 A. J. Peters, San Jose...24,182
 Wm. Serpa, San Jose...24,198
 San Jose Heating & Ventilating
 Co., San Jose...24,388
 Scott Co., San Francisco...25,600
 H. Pascoe, San Jose...27,233
 Mechanical Equipment Co...28,000
 Turner Co., San Francisco...28,512
 C. L. Snyder Co., San Jose...28,594
 Bids helds under advisement.

Preliminary Plans Being Prepared.

SCHOOL. Cost approx. \$400,000
 OAKLAND, Alameda Co., Cal. Fre-
 mont High School site.
 Fireproof high school (height and type
 of construction not decided).
 Owner—City of Oakland School Dist.
 Architect—Chas. McCall, 1401 Frank-
 lin St., Oakland.

Contracts Awarded.
 SCHOOL. Cost, \$45,000
 GRIMES, Colusa Co., Cal.
 Four-classroom, auditorium & kitchen
 grammar school.
 Owner—Grand Island Union Grammar
 School District.
 Architect—W. H. Weeks, 111 Sutter
 St., San Francisco.

General Work
 Mathews Constr. Co., Forum
 Bldg., Sacramento...\$41,000
 (Contract awarded on brick veneer)

Heating
 Scott Plumbing & Heating Co.,
 1900 M St., Sacramento...\$4065
 Complete list of bids will be pub-
 lished shortly

COMPTON, Los Angeles Co., Cal—
 Until 2 P. M., June 19, bids will be
 received by Compton Union High
 School District on general contract,
 electric wiring and plumbing of 5 1-
 story frame and stucco gymnasium
 buildings at Willowbrook, Clearwater,
 Lynwood, Enterprise and Compton
 High School sites. Frank M. Good-
 win, Stockwell Bldg., Compton, is
 the architect for the Willowbrook
 and Clearwater buildings; Marsh,
 Smith & Powell, 516 Architects' Bldg.,
 Los Angeles, architects for Lynwood
 building; W. Horace Austin, Chaffee
 Bldg., Compton, architect for Com-
 pton building, and Austin & Ashley,
 Chamber of Commerce Bldg., Los
 Angeles, architects for Enterprise
 building.

Plans Being Figured—Bids Close June
 16, 2 P. M.
ADDITION Cost, \$4000
 SAN LEANDRO, Alameda Co., Cal.
 Washington School.
 Hollow tile and brick addition to
 school.
 Owner—San Leandro School District.
 Architect—J. J. Donovan, 1916
 Broadway, Oakland.

Plans Being Prepared.
AUDITORIUM Cost, Approx. \$15,000
 GRASS VALLEY, Nevada Co., Cal.
 One-story auditorium (type of con-
 struction not decided).
 Owner—Sisters of Mercy, Grass Valley
 Architect—Harry Devine, California
 State Life Bldg., Sacramento.

Plans Being Figured—Bids Close June
 13, 8 P. M.
AUDITORIUM Cost, \$22,000
 SAN RAFAEL, Marin Co., Calif.
 High school auditorium) reinf. con-
 crete construction.
 Owner—San Rafael Board of Educa-
 tion.
 Architect—N. W. Sexton, de Young
 Bldg., San Francisco.

Plans Being Figured.
SCHOOL Cost, \$—
 CARMEL, Monterey Co., Cal.
 One-story frame and stucco school (2
 classrooms).
 Owner—Carmel Grammar School Dist.
 Architect—Swartz & Ryland, Spazler
 Bldg., Monterey; 373 Main St., Sa-
 linas, and Brix Bldg., Fresno.

SAN JOSE, Santa Clara Co., Cal—
 Until June 19, 4 P. M., bids will be re-
 ceived by Walter L. Bachrodt, sec-
 retary, Board of Education, for paint-
 ing Lincoln School at corner of Al-

meden and Auzerals avenues. Certi-
 fied check 10% required with bid.
 Specifications obtainable from secre-
 tary.

Bonds Voted—Plans To Be Prepared.
SCHOOL Cost, \$3500
 DELANO, Kern Co., Cal.
 Two classroom addition to Cecil Ave.
 Grammar School.
 Owner—Delano Grammar School Dist.
 Architect—To Be Selected.
 An additional \$5500 is available for
 the construction of heating plants,
 one in the Cecil avenue school and for
 one other school.

Preparing Working Drawings.
SCHOOL Cost, \$410,000
 ONTARIO, San Bernardino Co., Cal.
 Junior High School and additions to
 Senior High School.
 Owner—Chaffey Union High School
 District.
 Architect—Allison & Allison, Califor-
 nia Reserve Bldg., Los Angeles.

Plans To Be Prepared.
SCHOOL Cost, \$—
 RENO, Nevada. Area bounded by
 Wheeler, Burns, Wells and Cramp-
 ton Sts.
 Eight- or ten-grade school (first unit
 will comprise two classrooms).
 Owner—Reno City School District.
 Architect To Be Selected.

Plans Being Prepared.
ADDITION Cost, \$—
 THORNTON, San Joaquin Co., Calif.
 Brick addition to grammar school (4
 classrooms).
 Owner—New Hope Grammar School
 District.
 Architect—W. J. Wright, Mail Bldg.,
 Stockton.
 Bids will be taken in about 1 week.

Low Bidder.
GYMNASIUM Cost, \$—
 GARDEN GROVE, Orange Co., Cal.
 One-story frame and stucco gym-
 nasium (110x102 feet).
 Owner—Garden Grove Union High
 School District.
 Architect—Frederick H. Eley, 316 Otis
 Bldg., Santa Ana.
 Low Bidder—M. D. Files & Son, Rt. 3,
 Box 462, Santa Ana.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$15,000
 WINTERS, Yolo Co., Calif.
 One-story frame and stucco school (2
 classrooms).
 Owner—Winters School District.
 Architect—Dean and Dean, California
 State Life Bldg., Sacramento.

Plans Being Completed.
SCHOOL Cost, \$20,000
 BERKELEY, Alameda Co., Cal. School
 for the Blind.
 Reinforced concrete addition to pres-
 ent school and one-story frame
 and stucco employees' cottage
 with tile roof.
 Owner—State of California.
 Architect—George B. McDougall, State
 Architect, Public Works Building,
 Sacramento.
 Plans will be ready for bids in one
 week.

Bids To Be Asked Shortly.
INSECTARY BLDG. Cost, \$150,000
 RIVERSIDE, Cal. University of
 California Experimental Station.
 Reinforced concrete insectary build-
 ing and reinforced concrete chem-
 istry building.
 Owner—University of California.
 Architect—G. Stanley Wilson, 3636
 West Ninth St., Riverside.

Site Purchased—Plans To Be Made.
SCHOOL Cost, \$—
 NAPA, Napa Co., Cal. Theodore Gier
 Ranch in Napa Redwoods.
 Private training school for boys.
 Owner—De La Salle Institute (Chris-
 tian Brothers), Martinez.
 Architect—To Be Selected.
 The site purchased comprises 350
 acres of land. Early construction is
 contemplated.

Plans Being Prepared.
ADDITION Cost approx. \$10,000
 MCSS LANDING, Monterey Co., Cal.
 One-story frame addition to present
 school (2 class rooms).
 Owner—Moss Landing School District
 Architect—W. H. Weeks, Hunter-
 Dulin Bldg., San Francisco; 1736
 Franklin St., Oakland, and Bank
 of Italy Bldg., San Jose.

BANKS, STORES & OFFICES

Preparing Plans.
BANK, ETC. Cost, \$750,000
 PHOENIX, Arizona. Central Ave. and
 Monroe Street.
 Ten-story and basement Class A
 bank and offices (138x150 ft.)
 Owner—Valley Bank & Trust Co. (Dr.
 L. D. Ricketts, President).
 Architect—Morgan, Walls & Clements
 Van Nuys Bldg., Los Angeles.

Bids In—Held Under Adviseiment.
OFFICES Cost, \$10,000
 FRESNO, Fresno Co., Cal. Kern and
 N Streets.
 One-story brick offices and warehouse
 (site 50x150 feet).
 Owner—Standard Brands of Califor-
 nia (Fleischmann Yeast Distribu-
 tors), Fresno.
 Architect—Charles E. Butner, Cory
 Bldg., Fresno.

Plans Being Figured—Bids Close June
9th.
STORE Cost, \$150,000
 OAKLAND, Alameda Co., Calif. 20th
 St. and Broadway.
 Three-story class A store.
 Owner—I. Magnin & Co., Grant Ave.
 and Geary St., San Francisco.
 Architect—Weeks and Day, Financial
 Center Bldg., San Francisco.
 Following is a list of the contrac-
 tors figuring the plans:
 MacDonald & Kahn, Financial Center
 Bldg., San Francisco.
 Lindgren and Swinerton, Inc., 225
 Bush St., San Francisco.
 Barrett & Hilp, 918 Harrison Street,
 San Francisco.
 Cahill Bros., 206 Sansome St., San
 Francisco.
 Dinwiddie Const. Co., Crocker Bldg.,
 San Francisco.
 Chas. Heyer, Mills Bldg., San Fran-
 cisco.
 George Maurer, 50 York Drive, Oak-
 land.

Contract Awarded.
STORES Cost, \$30,000
 SAN FRANCISCO. NE Ninth Avenue
 and Irving Street.
 One- and part two-story frame and
 stucco stores and offices (4 stores).
 Owner—Wobber Bros., 412 Jessie St.
 Architect—Albert Schroeffer, 14 Mont-
 gomery St.
 Contractor—E. L. Stoneson, 279 Yerba
 Buena Ave.
 The corner store has been leased to
 Frank Dessel, druggist, who has been
 a tenant on this corner for 16 years.
 Safeway Stores will occupy 25 ft.
 on the Irving St. frontage, leaving one
 store to be leased.
 On Ninth Ave., S. L. Fromholz has
 leased space for a barber and beauty
 shop

Planned.
CLASS A BLDG. Cost, \$600,000
 LOS ANGELES, Cal. SW Twelfth
 St. and Vermont Ave.
 Ten-story Class A building (50x150 ft.)
 Owner—Los Angeles Conservatory of
 Music, H. E. Rawlinson, Mgr., 715
 S. Park View Ave., Los Angeles.
 Architect—Not Selected.
 Lease on present building does not
 expire until 1935.

Plans Being Prepared.
STORE Cost, \$60,000
 OAKLAND, Alameda Co., Calif. NE
 Twentieth St. and Broadway.
 Two-story reinforced concrete store.
 Owner—R. H. Cross, Mills Bldg., San
 Francisco.
 Architect—Alben Froberg, Ray Bldg.,
 Oakland.
 Plans will be ready for bids in 3
 weeks.

Low Bidder.
OFFICES Cost, \$10,000
 BERKELEY, Alameda Co., Cal. 4th
 and Cedar.
 One-story frame and stucco offices.
 Owner—Pacific Paint & Varnish Co.,
 4th and Cedar Sts., Berkeley.
 Architect—Edwin L. Snyder, 4th and
 Cedar Sts., Berkeley.
 Low Bidder—Beckett and Wight, 722
 Scenic Ave., Berkeley.

Contract Awarded.
TELEPHONE BLDG. Cost, \$175,000
 LOS ANGELES, Cal. No. 513 E.
 Vernon Avenue.
 Three-story and basement Class A
 reinforced concrete telephone ex-
 change building (115x136 ft.)
 Owner—Southern California Tele-
 phone Company.
 Architect—Eng. Dept. of Owner.
 Contractor—Western Constr. Co., 4735
 E. 52nd Drive., Los Angeles.

Contract Awarded.
ADDITION Cost, \$10,557
 KING CITY, Monterey Co., Cal.
 Kindergarten addition to grammar
 school.
 Owner—King City Union Grammar
 School District.
 Architect—Butner & Stranahan, 22-
 24 Gilkbarg Bldg., Salinas.
 Contractor—The Minton Co., Palo
 Alto and Mt. View.
 Following is a complete list of bids:
 The Minton Co., Palo Alto.....\$10,557
 R. Petersen, King City.....10,695
 W. H. Charter, San Luis Obispo 11,416
 H. B. Coon, Salinas.....11,545
 P. T. Wallstrum, Watsonville 12,772

Preparing Sketches.
OFFICES, ETC. Cost, \$7,500,000
 LOS ANGELES, Cal. Seventh St.,
 bet. Garland and Bixel Sts.
 Twelve-story Class A auditorium,
 hotel and offices (100,000 sq. ft.)
 (auditorium to seat 20,000).
 Owner—J. A. Wigmore et al.
 Architect—Claud Beelman, 1019 Union
 Bank Bldg., Los Angeles.

Plans Being Prepared.
ALTERATIONS Cost, \$25,000
 SAN FRANCISCO. SW Sutter Street
 and Gough St.
 Alterations and additions to present
 store and garage.
 Owner—I. L. Borden, 417 Montgomery
 Street.
 Architect—Bliss & Fairweather, 1001
 Balboa Bldg.
 Building permit has been applied for.

Contract Awarded.
STORE Cost, \$6000
 SAN FRANCISCO. N Haight Street
 E Clayton St.
 One-story frame & brick veneer store.
 Owner—Martin Stelling, 155 Montgom-

ery St.
 Architect—Bertz, Winter and Maury,
 210 Post St.
 Contractor—C. Magill, 185 19th Ave.

Contract Awarded.
BANK Cost, \$500,000
 LOS ANGELES, Cal. No. 6253 Holly-
 wood Hlvd.
 Eleven-story reinforced concrete Class
 A bank and offices (42x90 and 40x
 43 feet).
 Owner—Hollywood Central Bldg.
 Corp.
 Architect—Aleck Curlett, Union Bank
 Bldg., Los Angeles.
 Contractor—Wm. Simpson Constr.
 Co., Architects Bldg., Los Angeles

Contract Awarded.
STORES Cost, \$16,000
 SAN FRANCISCO. West Portal Ave.
 and Vicente St.
 Two-story and basement frame and
 stucco stores (several stores, gar-
 ages, private reading room and
 library).
 Owner—C. A. Chaquette, 155 Mont-
 gomery St.
 Architect—S. Heiman, 605 Market St.
 Contractor—Charles Magill, 185 19th
 Avenue.

Contract Awarded.
REMODEL Cont. Price, \$9000
 SAN FRANCISCO. No. 250 Sacra-
 mento Street.
 Remodel present building (recently
 partially destroyed by fire).
 Owner—G. B. Kuyler.
 Architect—O'Brien Bros. and W. D.
 Feigh, 215 Montgomery St., San
 Francisco.
 Contractor—Dudley DeVelbiss, 354 Ho-
 bart St., Oakland.

Plans To Be Prepared.
ALTERATIONS Cost, \$—
 SAN JOSE, Santa Clara Co., Cal. E.
 S-First St., bet. San Fernando and
 San Antonio Sts.
 Alterations and additions to two-
 story building.
 Owner—Zukors, Inc., Market St. near
 Fifth St., San Francisco.
 Architect—Nathan Steinberg (Zukors'
 Stores, Inc.), 3326 Winter St.,
 Los Angeles.
 Project will not go ahead for about
 a year.

Plumbing Contract Awarded.
BANK, ETC. Cost, \$8500
 SAN FRANCISCO. SW 20th Avenue
 and Taraval Street.
 One- and two-story and basement frame
 and brick veneer branch bank and (2)
 stores (60x60-ft.)
 Owner—Floyd H. Steele, 130 St. Elmo
 Street.
 Architect—George De Colmesnil, Ne-
 vada Bank Bldg.
Plumbing—W. E. Trousdale, 422 Turk
Street.
 Sub-hids are being received by owner
 on all other portions of the work.
 A 26 ft. area has been leased by the
 American Trust Co.

Preparing Preliminary Plans.
ALTERATIONS Cost, \$—
 SANTA ROSA, Sonoma Co., Calif.
 Alterations to present one-story brick
 store.
 Owner—National Dollar Store, San
 Francisco.
 Architect—Bernard Joseph, 74 New
 Montgomery St., San Francisco.

Specifications Being Written.
ADDITION Cost approx. \$150,000
 SAN FRANCISCO. 260 California St.
 Two-story class A reinforced con-
 crete addition to present 10-story
 building.
 Owner—Newhall Estate, premises.
 Architect—Lewis P. Hobart, Crocker
 Building.

Sub-Contracts Awarded.
STORE Cost, \$13,000
SAN FRANCISCO. 707 Clement St.
One-story and basement frame and
stucco store.
Owner—F. W. Woolworth, Financial
Center Bldg.
Architect—Eng. Dept. of Owner.
Contractor—MacDonald & Kahn, Fi-
nancial Center Bldg.
Brick Work—Reed and Reed, Hearst
Bldg.
Structural Steel—Judson - Pacific Co.,
609 Mission St.
Excavation—Ariess-Knapp Co., 961 41st
St., Oakland.
Mill Work—Anderson Bros. Planing
Mill, Quint and Custer Sts.
Electric—Decker Electric Co., 538 Bry-
ant Street.
Plumbing and Heating—Newman Co.
Glass—Tyre Bros., 666 Townsend St.
Tile—Rigney Tile Co., 3012 Harrison
St., Oakland, and 666 Mission St.,
San Francisco.

Working Drawings Being Prepared.
ANNEX Cost, \$2,000.00
SAN FRANCISCO. Bush Street near
Montgomery St. (50x137-ft.).
Eighteen-story class A reinforced
concrete annex to building.
Owner—Mills Estate, Inc. (Curtis D.
O'Sullivan, president), Mills Bldg.,
San Francisco.
Architect—Lewis P. Hobart, Crocker
Building.
Plans will be ready for figures in
October.

Preparing Preliminary Plans.
OFFICES Cost, \$750,000
SACRAMENTO, Sacramento Co., Cal.
SW 7th & J Sts.
Eleven-story class A steel frame and
reinforced concrete office bldg.
Owner—Louis Lurie, 315 Montgomery
St., San Francisco.
Architect—O'Brien Bros. and W. D.
Peugh, 315 Montgomery Street, San
Francisco.
Present building on site is to be
razed.

Construction Indefinitely Postponed.
ALTERATIONS Cost approx. \$75,000
SAN FRANCISCO. 13th and Shotwell
Streets.
Alterations and additions for distrib-
uting office bldg. (reinforced con-
crete).
Owner—Pacific Gas and Electric Co.,
245 Market St.
Architect—Eng. Dept. of Owner.

Sub-Contracts Awarded.
OFFICES Cost, \$25,000
BERKELEY, Alameda Co., Cal. Shat-
truck Ave. near Center St.
One-story brick and terra cotta offices
(41 ft. footage).
Owner—Pacific States Savings & Loan
Association.
Architect—O'Brien Bros. and W. D.
Peugh, 315 Montgomery St., San
Francisco.
Contractor—Barrett & Hilp, 918 Har-
rison St., San Francisco.
Lumber—Tilden Lumber Co., foot of
University Ave., Berkeley.
Brick Work—P. C. Knudsen, 518 Bal-
four, Oakland.
Ornamental Iron—Michel and Pfeffer
Iron Works, Harrison and Tenth
Sts., San Francisco.
Roofing—H. C. Brown Roofing Co., 3267
San Pablo Ave., Oakland.
Sheet Metal—Morrison & Co., 74 Du-
boce Ave., San Francisco.
As previously reported, wrecking
awarded to Symon Bros. Wrecking Co.

Contract Awarded.
OFFICES Cost, \$—
LOS ANGELES, Cal. NW Fifth and
Hill Streets.
Limit height reinforced concrete
Class A offices.
Owner—Title Guarantee & Trust Co.
Architect—John and Donald Parkin-

son, Title Insurance Bldg., Los
Angeles.
Contractor—P. J. Walker, W. M.
Garland Bldg., Los Angeles.

Plans Being Figured.
STORE Cost approx. \$500,000
SAN JOSE, Santa Clara Co., Calif.
First and San Carlos Sts.
Three - story class C reinforced con-
crete department store.
Owner—Hale Bros., Fifth and Market
Sts., San Francisco.
Architect—Binder & Curtis, 35 W San
Carlos St., San Jose, and Swanson
& Lane, Chicago, Ill.

SAN FRANCISCO.—Haywood,
Wakefield Co., 737 Howard St., at \$5,-
555 submitted low bid to Board of Pub-
lic Works to furnish and install chairs
in the Park-Presidio High School with
alternate bids of \$652. Complete list
of bids follows:
Haywood, Wakefield Co., \$5,555; alt.,
\$652.
H. S. Crocker Co., \$5,805; \$680.
Spinner-Diest Corp., \$6,141; \$645.
R. Brandlein & Co., \$6,452; \$685.

Furniture Bids Wanted—Bids Close
June 18, 4 P. M.
FURNITURE Cost, \$—
HAYWARD, Alameda Co., Calif.
Miscellaneous school furniture (as
noted below).
Owner—Hayward School Dist., Jacob
Harder, Jr., clerk.
Catalog specifications.

Bids are wanted to furnish and in-
stall 502 auditorium chairs in the Bret
Harte school building and for furnish-
ing 200 Clarin folding chairs or equal
—20 American Steel Adjustable Desks
No. 132 Size A or equal, 2 Front Seats
(extra) same desk, 2 Back Seats (ex-
tra) same desk—130 American Steel
Adjustable Desks No. 132 Size B or
equal, 13 Front Seats (extra)—same
desk, 13 Back Seats (extra)—same
desk—4 C. F. Weber Co., Teachers'
Desks No. 900 or equal—4 C. F. Weber
Co. Desk Chairs No. 1221—oak or equal—
1 Office Table C. F. Weber & Co. No.
160 or equal—9 C. F. Weber Co. Of-
fice Chairs No. 1220 or equal. Bids
shall be in accordance with specifica-
tions on file in office of clerk.

SANTA ROSA, Sonoma Co., Cal.—
Directors of Chamber of Commerce
endorse proposal of Santa Rosa Dis-
trict to install flood-lighting system
at high school grounds.

THEATRES

Additional Contracts Awarded.
THEATRE Cost, \$75,000
WOODSIDE, San Mateo Co., Cal.
Whittell Estate.
One-story and basement Class C brick
auditorium and moving picture
theatre (Spanish type).
Owner—George Whittell Jr.
Architect—A. H. Knoll, Hearst Bldg.,
San Francisco.
Contractor—Chas. E. Mills, Mayfield.
Brick Work—Chas. E. Mills, Mayfield.
Steel—Schrader Iron Works, 1247
Harrison St., San Francisco.
Heating—Christenson & Anderson, 445
Florence St., Palo Alto.
As previously reported, waterproofing
and concrete work awarded to
L. Satorio, 1817 Filbert St., San Fran-
cisco, at \$4566.

Construction Indefinitely Postponed.
THEATRE Cost, \$100,000
HEALDSBURG, Sonoma Co., Cal.
One - story and mezzanine floor
concrete modern theatre (to seat ap-
proximately 1,000).
Owner—Redwood Theatres, Inc., Geo.
M. Mann and Chas. K. Koerner.
Architect—N. R. Coulter, 46 Kearny
St., San Francisco.

Preparing Working Drawings.
THEATRE Cost, \$350,000
PASADENA, Los Angeles Co., Cal.
Berkeley Ave. and E-Colorado St.
Two-story Class A theatre (French
type) (128x300 ft.; to seat 2500).
Owner—A. H. Chotiner, La Brea
Theatre Bldg., Los Angeles.
Architect—S. Charles Lee, 532 Petro-
leum Securities Bldg., Los An-
geles.

WHARVES AND DOCKS

Sub-Bids Being Taken.
PIER Cost, \$600,000
SAN FRANCISCO. Foot of Green St.
Steel frame and concrete pier (to be
known as Pier No. 15).
Owner—State of California.
Engineer—F. G. White, chief engineer,
State Harbor Commission, Ferry
Building.
Contractor—Healy-Tibbitts Const. Co.,
64 Pine St.

MISCELLANEOUS CONSTRUCTION

Planned
LOCKERS Cost, \$—
SOUTH SAN FRANCISCO, San Mateo
Co., Cal.
Furnish and install 300 steel lockers.
Owner—Pacific Coast Steel Co., 215
Market St., San Francisco.
Architect—None.
Bids will not be called for 60 or 90
days.

Bids Opened.
SAFETY ISLANDS Cost, \$—
SAN FRANCISCO, Bayshore Blvd. at
Silver and Paul Aves.
Safety Islands.
Owner—City and County of San Fran-
cisco.
Plans by Bureau of Engineering De-
partment of Public Works, Third
Floor, City Hall.
Project involves the construction of
4 safety islands and installation of 4
beacons. Bids received were:
R. Flatland \$2,988
N. J. Lynch 2,512

PASADENA, Los Angeles Co., Cal.
—Until 8:30 A. M., June 10th, bids
will be received by Pasadena Board
of City Directors for erection of ad-
ditional seats at Rose Bowl, concrete
press box and radio room. Work in-
volves 4500 cubic yards concrete; 260
tons reinforcing steel; 240,000 ft. B.
M. of cedar, spruce or cypress. The
seating capacity will be increased to
80,000, making 62,000 new seats. Plans
are available at the Pasadena build-
ing department. Walter Putnam is
the structural engineer. The estimat-
ed cost is \$135,000.

Bids Opened.
STATION Cost, \$4500
OAKLAND, Alameda Co., Cal. Foot
of Fifth Ave. (Corporation Yard).
Service station and Class C concrete
laboratory.
Owner—City of Oakland.
Plans by Owner.
(1) laboratory; (2) service station.
Following is a complete list of bids.
Prentice Constr. Co., 2063 Webster
St., Oakland, (1) \$3550; (2) \$3750.
Jacobs & Pattani, Oakland, (1)
\$5440; (2) \$4870.
J. B. Bishop, Oakland, (1) \$5662; (2)
\$5996.
Bids held under advisement.

MARYSVILLE, Yuba Co., Cal.—City
council has accepted a 100-acre tract,
the gift of the late Helman Chelm, on
which it is proposed to establish a
municipal airport.

(Continued on Page 32)

Engineering News Section

BRIDGES

MONTEREY COUNTY, Calif.—Following bids received May 28 by State Highway Commission to construct bridge across Salinas river at Bradley, consisting of six 140-ft. steel deck truss spans with concrete deck on concrete piers with pile foundations and eighteen 45-ft. reinforced concrete girder spans on concrete bents with pile foundations:

H. E. Doering, Yreka.....	\$256,563
Rocca & Coletti, San Rafael.....	257,380
R. H. Travers, Los Angeles.....	262,915
Geo. Pollock Co., Sacramento.....	265,323
M. B. McGowan, San Francisco.....	267,967
Ward Eng. Co., San Francisco.....	268,897
J. F. Knapp, Oakland.....	269,216
Siems-Helmert, Inc., S. F.....	308,053
Healy-Thibblits Const. Co., S. F.....	314,267
Jasper-Stacy Co., S. F.....	336,178

COLUSA COUNTY, Calif.—Until June 25, 2 P. M., bids will be received by State Highway Commission to construct three concrete girder bridges; one over Salt Creek, 1 mile north of Williams, consisting of two 26-ft. 6-in. spans; one over Freshwater Creek, 1½ mile north of Williams, consisting of three 25-ft. spans; a third across Green Valley Slough, 4 miles north of Williams, consisting of two 21-ft. 6-in. spans.

See call for bids under official proposal section in this issue.

OAKLAND, Calif.—Until June 25, 8 P. M., bids will be received by East Bay Municipal Utility District to construct bridge over Upper San Leandro Creek. Plans obtainable from above office.

VALEJO, Solano Co., Calif.—Pacific Constr. Co., 2235 E. 7th St., Oakland, at \$15,475 awarded contract by city council to construct Sacramento St. overhead crossing over tracks of the San Francisco, Napa and Calistoga Railway.

SALINAS, Monterey Co., Calif.—M. J. Murphy, Inc., Carmel, at \$14,084.68 awarded contract by county supervisors to construct two reinf. concrete bridges on Pacific Grove-Carmel road in Supervisor District No. 5.

SALINAS, Monterey Co., Calif.—Jacobs & Pattiani, 337 17th St., Oakland, at \$114,990 submitted low bid to county supervisors to construct bridge over Salinas river, two miles from Gonzales in Supervisor District No. 2; steel and concrete construction; 24-ft. roadway. Bids taken under advisement until June 6. Followig is a complete list of bids received:

Jacobs & Pattiani, Oakland.....	\$114,990
B. C. Gerwick, S. F.....	117,114
M. E. McGowan, S. F.....	125,753
H. E. Doering, Yreka.....	128,691
Geo. Pollock Co., Sacramento.....	133,665
E. N. Thompson, San Jose.....	134,566
Pan-Pacific Piling and Const. Co., Richmond.....	136,247

SANTA BARBARA, Calif.—Merritt Chapman & Scott Corp., San Pedro, at \$38,853 (painted) and \$38,853 (galvanized iron) submitted low bid to county supervisors to construct

structural steel highway bridge with wood floor and rails, concrete footing and abutments over San Roque Creek on the Goleta Foothill Blvd., in 3rd Rd. Dist. Other bids, all taken under advisement, are: W. M. Ledbetter, \$39,825 and \$44,725; Lynch-Cannon Engineering Co., Los Angeles, \$42,486; \$44,986.

COLUSA COUNTY, Calif.—As previously reported, bids will be received June 25 by State Highway Commission to construct three concrete girder bridges near Williams, one over Salt Creek consisting of two 26-foot 6-in. spans, another over Freshwater Creek, consisting of three 25-ft. spans and a third across Green Valley Slough, consisting of two 21-ft. 6-in. spans. Project involves: 1040 cu. yds. structure excavation; 560 cu. yds. Class "A" cement concrete; 18 cu. yds. Class "C" cement concrete; 50,000 lbs. reinforcing steel; 870 lbs. bronze expansion plates; one lot, miscellaneous items of work.

WOODLAND, Yolo Co., Calif.—County supervisors reject proposal to purchase \$98,000 worth of bonds to provide for the immediate construction of a Sacramento river bridge at Knights Landing. The proposal was made by Arthur Coates, Sutter County District Attorney.

SHASTA COUNTY, Calif.—Following bids received June 4 by State Highway Commission to construct timber bridge over Salt Creek about 15 miles east of Redding, consisting of one 60-ft. pony truss span on concrete piers and six 19-ft. approach spans on frame bents with concrete pedestals:

R. B. McKenzie, Red Bluff.....	\$12,544
J. P. Brennan, Redding.....	13,454
Alturas Const. Co., Sacto.....	13,822
Smith Bros. Const. Co., Eureka.....	14,539
C. E. Force, Piedmont.....	14,921
H. C. Witty, Sanger.....	15,241

WOODLAND, Yolo Co., Calif.—County Surveyor Asa G. Proctor directed by county supervisors to consult with Sacramento county supervisors regarding the construction of another bridge to span the Sacramento river, between Sacramento and Yolo counties. The proposed bridge would span Sutter slough at Sutter Island to eliminate the Courtland Ferry. The Sacramento county supervisors contemplate construction of a combined railroad and vehicle bridge at Merritt Island which, if constructed, would be financed jointly by the Western Pacific Railroad and Sacramento County.

DREDGING, HARBOR WORKS & EXCAVATIONS

OAKLAND, Calif.—U. S. Army Board of Engineers recommends that channel leading to the Oakland outer harbor be practically doubled in width. The present channel starting at Goat Island shoal, is 400 feet wide for the entire distance of between 4000 and 5000 feet. The new plan calls for a width of 800 feet at the outer entrance, gradually narrowing to 600 at the outer harbor basin. The estimated cost of the work is placed at \$197,500, with a yearly maintenance

cost of \$10,000, in addition to amount now required, according to Associated Press dispatches from Washington.

LOS ANGELES, Calif.—Until June 11, 10 A. M., bids will be received by City Harbor Department, 112 City Hall, for dredging Fish Harbor and Fish Harbor entrance channel, involving 185,000 cu. yds. with harbor and 115,000 cu. yds. from entrance channel. Plans obtainable from above.

SAN RAFAEL, Marin Co., Calif.—City council has authorized immediate repairs to Bay Shore Levee, located near the Union Oil plant. Surveys are being made by H. K. Brainerd, city manager.

BAKERSFIELD, Kern Co., Calif.—Until June 10, 2 P. M., bids will be received by H. I. Tupman, secretary, Kern River Levee District, 4 Bank of Italy Bldg., for grading and surfacing portion of the present levee and the construction of new levees all on the south side of the Kern river extending from main line of S. P. R. R. in a S.W. direction to a point near Oak Street Bridge. Certified check or bidder's bond 10% payable to district required with bid. Plans obtainable from secretary.

FORT BRAGG, Mendocino Co., Calif. War Department has recommended to Senate Commerce Committee a modification of the existing project for the improvement of the Noyo river, about 1½ miles south of Fort Bragg. The change would provide an entrance channel and a river channel, 10 feet deep, at an estimated cost of \$180,000, with an additional 10,000 annually for maintenance. The channel would be 100 feet wide at the entrance and 150 wide thereafter extending to the highway bridge.

IRRIGATION PROJECTS

LINDEN, San Joaquin Co., Calif.—Linden Irrigation District will call election to vote bonds of \$140,000 to finance improvements in the district which includes an expenditure of \$44,880 for gates in the flood control dam of the city of Stockton.

TURLOCK, Stanislaus Co., Calif.—Aldrin & Anderson, Turlock, submitted low bid to Turlock Irrigation District for 6467 sq. ft. 2-in. canal lining at 12 ft. and 3 concrete structures involving 4 cu. yds. of concrete at \$14.50 cu. yds. Taken under advisement.

TURLOCK, Stanislaus Co., Calif.—Aldrin & Anderson, Turlock, awarded contract by Turlock Irrigation District for 6467 sq. ft. 2-in. canal lining at 12 ft. and 3 concrete structures, involving 4 cu. yds. of concrete at \$14.50 cu. yd.

STREET LIGHTING SYSTEMS

SAN FRANCISCO—E. J. Treacy, Call Bldg., at \$16,280 awarded contract by Board of Public Works, to install ornamental street lighting system in Hyde street, between Market and California Sts.

OAKLAND, Cal.—Butte Electric & Manufacturing Co., 956 Folsom St., San Francisco, at \$623 awarded contract by city council to install electric system in 17th St., bet. Harrison St. and San Pablo Ave.

SAN JOSE, Santa Clara Co., Cal.—City Council declares intention (\$125) to install electroliners with underground system in 3rd St., bet. St. John and San Antonio Sts., involving (San Jose Design) Duplex electroliners. 1911 Act. Hearing June 16. John J. Lynch, city clerk. William Popp, city engineer.

RICHMOND, Contra Costa Co., Cal.—Proceedings have been started by city council to create lighting district in Macdonald avenue, between First and Twenty-third street; bracket lights will be provided. E. A. Hoffman, city engineer.

MACHINERY AND EQUIPMENT

ALAMEDA, Alameda Co., Cal.—Fageol Bus Co., Oakland, awarded contract by city council to furnish motor busses for transportation in Bay Farm Island District.

TUPMAN, Kern Co., Calif.—Until June 13, 7 P. M., bids will be received by Earl McFarland, clerk, Elk Hills School District, to furnish and deliver the following equipment: Pickup roadster with enclosed cab and steel pickup box; 4-cylinder L-head motor; standard selective sliding gear transmission; single dry plate enclosed clutch; fully enclosed 4-wheel brakes; 5 steel spoke wheels; four 21x4.50 balloon tires and tubes; hydraulic shock absorbers; Triplex shatterproof windshield; three-quarter floating rear axle and torque tube drive. Further information obtainable from above.

SANTA CLARA, Santa Clara Co., Cal.—Until June 10, 8 P. M., bids will be received by H. A. Bowers, clerk, Jefferson Union High School District, to furnish and deliver school bus body, 54 passenger capacity of the following specifications: Cross sills to be No. 1 hickory or oak, 3"x5", spaced about 24" apart and braced to chassis with iron on each end; side sills, body posts, side rails, top carlines and frame work to be of No. 1 grade oak screwed, bolted and braced with steel braces at joints and other places where necessary; body underslung so will come in line with running board; rounded rear corners; top covered with best material, regular bus top covering, and padded; drip moldings of aluminum all around top—screwed on; steel oval heads 4" apart on body; body covered with No. 20 gauge auto body steel and padded to prevent rattles; seats longitudinal, one on each side, one across rear and crosswise seats in center; seat backs of vertical grain spruce; cushions of genuine leather with springs; headlining of imitation leather with two dome lights; adjustable drivers bucket-type seat; rear view mirror; safety glass in rear of bus. 1/4" plate glass in windshield; side curtains of disappearing type, steel frame and covered with fabric and heavy celluloid lights; special B & B safety turn signal, carrying light and light in rear, also the carrier and bumper. Gas tank in rear of body; door on right side at front controlled by driver, with safety lock; body finished in two-tone Dupont duco; inside of body stained and varnished natural finish; Name of school on each side of body, also number of school bus, "Be Care-

ful" on rear; body to be built under inspection of school board and to their entire satisfaction; body to be 21 feet long; 7' 6" wide; 54" inside height.

Certified check 10% payable to clerk required with bid. Further information obtainable from clerk.

SANTA CLARA, Santa Clara Co., Cal.—Until June 10, 8 P. M., bids will be received by H. A. Bowers, clerk, Jefferson Union Elementary School District, to furnish and deliver one Standard 1930 Reo bus chassis and cowl with double drop frame fish-plated with 10 inch boiler plate, 1/4" thick, 210 inch wheel base, overload springs and complete two-ton Reo rear axle. Tires—dual 32x6.75 balloons rear, 32x6.75 balloons singles front, Spare tire mounted at rear. Four speed transmission, Reo Cold Crown motor, 3 3/8 bore 5" stroke. Four wheel hydraulic brakes. Certified check 10% payable to clerk required with bid. Further information obtainable from above.

HAWTHORNE, Nevada—Until June 10, 10 A. M., bids will be received by Bureau of Supplies and Accounts, Navy Department, Washington, D. C., to furnish railway cars for Naval Ammunition Depot project at Hawthorne, Nev. Specifications and further information obtainable from Public Works Officer, Twelfth Naval District, 100 Harrison St., San Francisco

RED BLUFF, Tehama Co., Calif.—Until June 11, 7:30 P. M., bids will be received by Fred H. Weeks, clerk, Red Bluff Union High School District, to furnish and deliver 40-passenger and 50-passenger school busses. Specifications and further information obtainable from above.

SAN BRUNO, San Mateo Co., Cal.—Until June 11, 8 P. M., bids will be received by Emil A. Bohm, city clerk, to furnish one ton chassis (open specifications) and construct and mount a body equipment thereon. Certified check 10% required with bid. Further information obtainable from clerk.

COURTLAND, Sacramento Co., Cal.—Until June 20, 2 P. M., bids will be received by S. Mercer Runyon, secretary, Courtland Union High School District, to furnish and deliver a 2 1/2 ton chassis for school bus. Further information obtainable from Jos. Green at Courtland.

COURTLAND, Sacramento Co., Cal.—Until June 20, 2 P. M., bids will be received by S. Mercer Runyon, secretary, Courtland Joint Union High School District, to furnish and deliver a fifty-passenger body for school bus. Further information obtainable from Jos. Green at Courtland.

FIRE ALARM SYSTEMS

HAWTHORNE, Nevada—Bids will be asked shortly by Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 6162, for Fire Alarm System, at the Naval Ammunition Depot, Hawthorne, Nevada. The work consists of a fire alarm system consisting of call boxes, accessories, equipment and wiring. When available, plans and specifications may be obtained from District Public Works Officer, Room 513, 100 Harrison Street, San Francisco, on deposit of \$10.00, check or money order payable to the Chief of the Bureau of Yards and Docks.

MISCELLANEOUS SUPPLIES AND MATERIALS

BERKELEY, Alameda Co., Cal.—Until June 16, 8 P. M., bids will be received by Clara F. Andrews, secretary, Board of Education, 2325 Milvia St., to furnish fuel oil for school year 1930-31. Specifications and further information obtainable from above.

OAKLAND, Cal.—Until June 12, noon, bids will be received by Frank C. Merritt, city clerk, to furnish and deliver miscellaneous supplies and materials for fiscal year ending June 30, 1931, as follows:

Automobile Tires and Tubes;
Asphalt—Road oil and emulsified;
Batteries; Brick; Brooms; Booths (election);

Cable (saturated paper insulated); Castings; Cement; Coal; Copper Wire; Corrugated Iron Pipe; Compression tests for Concrete Cylinders.

Distillate; Dry Concrete Mix. Fuel Oil; Fire Hose for Sewers; Gasoline.

Hardwood and Panels. Incandescent Lamps.

Laundry and Towel Service; Lubricating Oil; Lumber;

Material for Constructing Corrugated Iron Culverts.

Paints and Lacquer;

Refuse Containers; Repair of Pavements; Rock and Screenings; Rock 2nd grade; Road Oil; Rental Chairs, Lamps and Tables for election purposes;

Shovels; Signs (Boulevard stop, parking, speed limits, traffic); Steam Sewer Pipe;

Wet Concrete Mix. Specifications and further information obtainable from above.

PIPE LINES, WELLS, ETC.

TACOMA, Wash.—Birchfield Boiler Co., Tacoma, at \$91,074 awarded contract by City Board of Contracts to construct 10,898 feet of 42-inch steel pipe for gravity pipe line. The contract was awarded over the bid of the Steel Pipe and Tank Co., of Oakland, Calif., who bid \$85,648, the city commissioners favoring the award to the local bidder.

STOCKTON, San Joaquin Co., Cal.—George M. Clark, Stockton, at \$5400 awarded contract by State Department of Public Works, Division of Architecture, to drill test water wells at Stockton State Hospital.

MARTINEZ, Contra Costa Co., Cal.—Pacific Gas & Electric Co. seeks franchise from county supervisors to operate a natural gas pipe line via the Carquinez Straits bridge to serve fuel to communities of the north bay counties. The application will be considered July 21. The pipe line will be suspended to the bridge structure and will serve communities in Solano, Sonoma, Marin and other counties.

COALINGA, Fresno Co., Cal.—Bunting Iron Works, Coalinga, at \$1,029.71 awarded contract by city council to furnish 2,530 ft. of 7-in. lap-welded gas pipe with \$137 additional for coating.

SEWERS AND SEWAGE DISPOSAL PLANTS

RICHMOND, Contra Costa Co., Cal.—City council declares intention (479) to construct combined storm and sanitary sewers in Dock Ave. bet. 10th St. and east termination of Dock Ave.,

etc., involving salt glazed vitrified clay pipe; centrifugally cast reinforced concrete pipe; cast iron pipe; salt glazed vitrified clay sewer pipe in timber cradle on piles and in concrete pipe jacket on piles; centrifugally cast reinforced concrete pipe in reinforced concrete cradle on piles; manholes; overflow structure; storm water inlets, etc. Estimated cost \$117,000. 1911 Act. Hearing June 23. A. C. Faris, city clerk. Edw. A. Hoffman, city eng.

LODI, San Joaquin Co., Cal.—City starts proceedings for new storm sewer in Tokay St. Plans will be started shortly for enlargement of the sewer in alley between Elm, Pine, Sacramento and School Sts. A 4-inch pipe is now in place.

SANTA CRUZ, Santa Cruz Co., Cal.—Merritt Chapman and Scott, San Pedro, at \$14,750 submitted only bid to city council for repair and anchorage of existing outfall sewer in the Pacific Ocean, involving repair of the break in the east pipe line and construction of concrete foundation anchor blocks in the east and west outfall pipe lines. Taken under advisement until June 9. Roy Fowler, city engineer.

RENO, Nevada.—Until June 23, 5 P. M., (to be opened 7:30 P. M.) bids will be received by J. B. Reese, city clerk, to construct the trunk line sewers, sewage pumping station and sewage treatment plant. The trunk line sewers and sewage treatment plant comprise the construction, complete, of sewer lines from points of junction with the existing sewerage system to the treatment plant and a sewage pumping station; together with a sewage works comprising essentially a bar screen chamber, two clarifier tanks, a sludge digestion tank and sludge drying beds, all complete with corresponding equipment and appurtenant; a plant control building containing boiler and pumping rooms, chlorination room and laboratory, all complete with piping and miscellaneous equipment.

The following roughly approximate quantities are involved in the work:

Sewage treatment plant:
7,650 cu. yds. excav. for plant.
Trunk line sewers:
2,960 lin. ft. 39-in. pipe;
4,300 lin. ft. 33-in. pipe;
1,313 lin. ft. 30-in. pipe;
276 lin. ft. 24-in. pipe;
7,000 lin. ft. 18-in. pipe;
10,230 lin. ft. 15-in. pipe;
180 lin. ft. 12-in. pipe;
10,960 lin. ft. 10-in. pipe;
2,480 lin. ft. 8-in. pipe;
3 sewer river crossings;
99 sewer manholes.

Sewage pumping station:
1 sewage pumping station;
7,650 cu. yds. excav. for plant struc;
46,400 cu. ft. of concrete;
103 tons of reinforcing steel.

In addition to the above features, certain building construction and mechanical equipment are involved, including sewage measuring flume, inlet and outlet channels, cast iron pipe and special castings, gates and gate valves, heating apparatus, pumps and motors, mechanically cleaned bar screen, clarifier and digestion tank, mechanisms, gas collecting equipment, chlorine storage facilities and grading of plant site.

Certified check 10% payable to City of Reno required with bid. Bond of 75% of the contract price will be required of the successful bidder.

Plans and specifications obtainable from C. C. Kennedy, consulting engineer, Call Bldg., San Francisco, on deposit of \$15, which will be retained.

CONZALES, Monterey Co., Calif.—Burns-McDonnell-Smith Eng. Corp., 422 Western Pacific Bldg., Los Ange-

les, commissioned by Gonzales Sanitary District to prepare plans for sewer system. Preliminary estimates place cost at \$50,000.

HEALDSBURG, Sonoma Co., Cal.—A. W. Garrett, Healdsburg, at \$2640 awarded contract by city trustees to construct 3000 ft. of sewers in various streets.

VALLEJO, Solano Co., Cal.—Louis Tagnon, Vallejo, at \$6300 submitted low bid to city council to construct a 36-inch vitrified clay pipe sanitary outfall sewer with creosoted timber cradle and pile foundation on direct extension westerly of the center line of Ryder St. extending from City Bulkhead to Longitudinal Dyke of U. S. Govt. on east side of Mare Island Channel. M. J. Bevanda, Stockton, only other bidder at \$6600. Referred to City Engineer T. D. Kilkenny for recommendation.

MODESTO, Stanislaus Co., Cal.—City council rejects bids to furnish sludge pump and clarifier in connection with sewage disposal plant and new bids will be asked. Frank J. Rossi is city engineer.

DAVIS, Yolo Co., Cal.—A. F. Anderson, 1093 Longridge Road, Oakland, for corrugated iron building finish with sewers at \$10,505 awarded contract by city trustees to construct sewers for State Highway south for a distance of 3000 ft. and construct two pumps together with pumping apparatus and equipment for such pumps.

HEALDSBURG, Sonoma Co., Cal.—City Engineer A. B. Stuart preparing plans for sewer extensions in Miller Addition. Bids will be asked shortly.

REDWOOD CITY, San Mateo Co., Cal.—Until June 16, 10 A. M. bids will be received by Elizabeth M. Kneese, county clerk (22) to sewer portions of Alameda de las Pulgas, Portola Ave., Cerrito Ave., Santiago Ave., Santa Clara Ave., Harvard St., Sequoi Ave., Belmont Ave. and Beresford Ave., involving vitrified salt glazed sewer pipe; hydraulic cement concrete pipe; part cast iron pipe; wye branches; manholes; two 6-in. United Iron Works vertical pumps, capacity of 1000 gal. per min. with appurtenances; redwood settling tank 42 ft. in dia. with concrete foundation and appurtenances; gravel sludge bed; tile drain. County Imp. Act 1921. Bond Act 1915. Est. cost \$219,000. R. A. Klassen, engineer, Court House, Redwood City. Plans obtainable from office of County Surveyor George A. Kneese.

WATER WORKS

NATIONAL CITY, San Diego Co., Cal.—Until 8 P. M. June 17, bids will be received by the National City city council for the following machinery and equipment to be installed in the swimming pool in the public park: one 3-inch horizontal split case centrifugal pump; one 5 horsepower motor; one 1-inch hair and lint strainer; one water pressure reducing valve; two 8-foot diameter vertical steel filters; one Wallace & Tiernan liquid chlorinator. Price bid is to include installation of above equipment and will also include one vacuum pool cleaner. O. A. Mullen, city clerk.

ORANGE, Orange Co., Cal.—Until 1 P. M. June 17, bids will be received by the city council for furnishing of cast iron pipe, bell and spigot, as follows:
700 ft. 8-in. class B or class 150;

2300 ft. 6-in. class B or class 150.
Certified check or bond, 10%. Paul E. Clark, city clerk.

SAN FRANCISCO.—Until June 9, 3 P. M., under Proposal No. 593, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 2,200 ft. 16-in. and 3,100 ft. 12-in. cast iron pipe, cement lined, for Municipal Water Department. Specifications and further information obtainable from above.

OAKLAND, Cal.—Until June 25, 8 P. M., bids will be received by East Bay Municipal Utility District to construct second pumping unit and equipment for the Lafayette Pumping Plant, Mokelumne river project. Plans obtainable from above office.

SAN FRANCISCO.—Until June 9, 3 P. M., under Proposal No. 600, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver welded steel pipe (or cast iron pipe of equal strength as an alternate), size 20-in. for Municipal Water Department, 5,000 ft. made from 1/4-in. plates; 5,300 ft. made from 3/16-in. plates. Specifications obtainable from above office.

BRAWLEY, Imperial Co., Calif.—Burns-McDonnell-Smith Eng. Corp., 422 Western Pacific Bldg., Los Angeles, commissioned by city to prepare plans for municipal filter; capacity 4,000,000-gals. per day. Estimated cost, \$60,000. Bonds will be voted to finance.

SAN FRANCISCO.—Until June 9, 3 P. M., under Proposal No. 601, bids will be received by Leonard S. Leavy, city purchasing agent, 270 City Hall, to furnish and deliver 16 deep well turbine pumps for Municipal Water Department. Specifications and further information obtainable from above.

STREETS AND HIGHWAYS

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., awarded contract by State Harbor Commission for laying Topeka wearing surface on ship loading platform for Cold Storage Plant and on the bulkhead wharves in the vicinity of Pier No. 46, involving approx. 12,000 sq. ft. 1 1/2-in. wearing surface on platform and 6000 sq. ft. on bulkhead wharves.

Following is a complete list of bids: (1) 12,000 1 1/2-in. Topeka wearing surface; (2) 6,000 2-in. Topeka wearing surface.

Eaton & Smith, (1) 8c; (2) 10c.
A. J. Raich, (1) 11c; (2) 18c.
Fay Imp. Co., (1) 1 1/2c; (2) 1 1/2c.

RICHMOND, Contra Costa Co., Cal.—Until June 16, bids will be received by A. C. Faris, city clerk (475) to improve portions of Pennsylvania Ave. bet. 18th and 20th Sts. involving:

276.08 cu. yds. excavation;
3,550 sq. ft. 4-in. broken rock base, 2-course asphalt conc. pave, 2 1/2-inch base with 1 1/2-in. surface;
1,200 sq. ft. cem. conc. sidewalks;
740 lin. ft. cem. conc. gutters;
245 lin. ft. galv. steel curb bar;
\$40 sq. ft. extra seal coat.

Estimated cost \$1,742.83. 1911 Act. Certified check 10% payable to city required with bid. Plans obtainable from City Engineer E. A. Hoffman.

LASSEN COUNTY, Cal.—Following bids received June 4 by State Highway Commission to improve 22 miles of highway between Susanville and 2 miles west of Milford, involving seal coat and bituminous surface treatment to be applied:
Tieslau Bros., Berkeley.....\$25,228
A. Teichert & Son, Inc., Sacto. 23,439
J. Casson, Hayward.....23,150

MERCED, Merced Co., Calif.—City council starts proceedings to pave 4th St. bet. G and L Sts. G. H. Winton is city engineer. 23

BUTTE COUNTY, Calif.—Following bids received June 4 by State Highway Commission to grade 1.8 miles between Bardees Creek and Pulga: Granfield, Farrar & Carlin, San Francisco.....\$248,628

Utah Const. Co., S. F.....293,820
J. P. Shea, San Francisco.....244,087
E. C. Coates, Sacramento.....359,367
R. H. Travers, Los Angeles.....372,446
H. H. Boomer, San Francisco.....396,894
J. G. Donovan & Son, L. A.....401,622

MARIN COUNTY, Calif.—Following bids received June 4 by State Highway Commission to surface with bituminous macadam 4.4 miles between San Rafael and Alto: Granfield, Farrar and Carlin, San Francisco.....\$ 94,892

C. W. Wood, Stockton.....98,607
Heafey-Moore Co., Oakland.....111,570
Ariss-Knapp Co., Oakland.....114,525
A. Telchert & Son, Sacto.....117,121
M. J. Bevanda, Stockton.....140,180

PLACER - NEVADA COUNTIES, Cal.—As previously reported, bids will be received June 25 by State Highway Commission to surface with crusher run base and untreated crushed gravel or stone surfacing, 7.2 miles between Airport and Yuba Pass. Project involves: 41,100 tons crusher run base; 16,340 tons untreated crushed gravel or stone surfacing; 2815 M gals. water applied to base and surfacing.

SHASTA & LASSEN COUNTIES, Cal.—Following bids received June 4 by State Highway Commission to grade and surface with untreated crushed gravel or stone, 17.9 miles between Fall River Mills and Big Valley:

Mathews Const. Co., Sacto.....\$278,251
Jasper-Stacy Co., S. F.....324,039
Isbell Const. Co., Fresno.....339,938
Granfield, Farrar and Carlin, San Francisco.....351,531

NEVADA & PLACER COUNTIES, Cal.—Following bids received June 4 by State Highway Commission to surface 10.8 miles between South Fork of Yuba River and Soda Springs with crusher run base and untreated crushed gravel or stone surfacing:

Hemstreet & Bell, Marysville.....\$157,089
Chas. Harlowe, Jr., Oakland.....164,398
Englehart Faving & Const. Co., Eureka.....205,246
A. Telchert & Sons, Inc., Sacto.....211,633
J. P. Holland, Inc., S. F.....220,524
Geo. Pollock Co., Sacramento.....227,558
Hein Bros. Basalt Rock Co., Petaluma.....238,715
Isbell Const. Co., Fresno.....245,786

FRESNO COUNTY, Cal.—As previously reported, bids will be received June 25 by State Highway Commission to grade and pave with asphalt concrete, 7.6 miles between Fowler Switch Canal and Fancher Creek. Project involves: 157 tons to be removed and disposed of; 6 acres clearing and grubbing; 38,800 cu. yds. rdwy. excavation without classification; 46,600 sta. yds. over-haul; 1,400 cu. yds. imported borrow; 1150 cu. yds. structure excavation; 38,100 sq. yds. subgrade for pavement; 190 cu. yds. Class "A" cem. conc. (structures); 20,100 lbs. bar reinforcing steel (structures); 43,810 tons asphalt concrete; 960 tons oil treated crushed gravel or stone surfacing; 53,800 sq. yds. asphaltic paint binder; 2650 bbls. fuel oil (shoulders); 30 lin. ft. 12" and 324 lin. ft. 18" corrugated metal pipe 222 lin. ft. corr. metal pipe, part circle; 6.8 mi. moving and reset property fence; 1260 cu. yds. removing and disposing of cem. conc. in existing pavement and structures; 7200 tons crusher run base; 370 lin. ft. laminated timber guard rail; 399 stations finishing; 53 monuments. State will fur. corr. metal pipe and part circle pipe.

FRESNO & KINGS COUNTIES, Cal.—Stewart & Nuss, Inc., Fresno, at \$14,363.70 awarded contract by State Highway Commission to furnish and apply light fuel oil on 45 miles bet. Coalinga and Hanford.

SAN JOAQUIN COUNTY, Cal.—Heafey-Moore Co., 344 High St., Oakland, at \$51,144 awarded contract by State Highway Commission to grade and pave with asphalt concrete, 1.9 miles between South Santa Road and East Santa Road.

FRESNO COUNTY, Cal.—Until June 25, 2 P. M., bids will be received by State Highway Commission to grade and pave with asphalt concrete 7.6 miles between Fowler Switch Canal and Fancher Creek.

See call for bids under official proposal section in this issue.

PLACER & NEVADA COUNTIES, Cal.—Until June 25, 2 P. M., bids will be received by State Highway Commission to surface with crusher run base and untreated crushed gravel or stone surface, 7.2 miles between Airport and Yuba Pass.

See call for bids under official proposal section in this issue.

SAN DIEGO COUNTY, Cal.—Until June 25, 2 P. M., bids will be received by State Highway Commission to pave with cement concrete 11.2 mi. between Vejas Creek and Pine Valley.

See call for bids under official proposal section in this issue.

WHITE PINE COUNTY, Nevada—Jack Casson, Hayward, Calif., at \$99,415.14 awarded contract by State Highway Commission to furnish asphaltic fuel oil, apply and mix with crushed rock or crushed gravel surface on 52.31 miles from McGill to North County line. Other bids: Andy Drum, Fallon, Nev., \$105,192.12; Skeels & Graham, Roseville, Calif., \$125,000. Engineer's estimate \$109,317.

SAN LUIS OBISPO, Cal.—City council declares intention (322) to improve portions of Garden, Pacific and Plismo street, involving grading; 6-inch hydraulic concrete pavement; hyd. cem. conc. curbs and sidewalks; part circle arch culverts; catch-basins. 1911 Act. Bond Act 1915. Hearing June 15. Calle M. John, City clerk. Leon Moore, city engineer.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5122) to improve Sunol street, between San Carlos and Auzaeris Ave., involving grading; 1½-inch asphaltic concrete surface on 2½-inch asphaltic concrete base pavement; cem. conc. curbs, gutters, walks; storm water inlets; 12-in. cem. conc. storm sewer; cem. conc. culverts, etc. 1911 Act. Hearing June 16. John J. Lynch, city clerk. Wm. Popp, city engineer.

SANTA ROSA, Sonoma Co., Cal.—City Council declares intention (1612) to improve Napa St., between King and Wright Sts., involving grading; 4-in. macadam base; 3-inch asphaltic concrete surface pavement; hyd. cem. conc. curbs, walks and gutters. 1911 Act. Bond Act 1915. Hearing June 17. Ney L. Donovan, city clerk.

SANTA ROSA, Sonoma Co., Cal.—City Council declares intention (1613) to improve Ridgway Ave., between Mendocino Ave. and Cleveland Ave., involving grading; 4-inch macadam base with 3-inch asphalt. conc. surface; hydraulic concrete curbs and gutters. 1911 Act. Bond Act 1915. Hearing June 17. Ney L. Donovan, city clerk.

PALO ALTO, Santa Clara Co., Cal.—Until June 9, 8 P. M., bids will be received by E. L. Beach, city clerk, (871) to construct sidewalks on portions of Ramona and Alma Sts. and California Ave. involving hydraulic concrete sidewalks. Imp. Act 1911. Certified check 10% payable to city required with bid. Plans on file in office of clerk. J. F. Byxbee, city engineer.

MODESTO, Stanislaus Co., Cal.—Until June 11, 8 P. M., bids will be received by H. E. Gragg, city clerk, (215) to improve alley through Block No. 534, from Needham St. to point 13.50 ft. north of Alice St., involving grading; cement conc. pave.; O. P. headers. 1911 Act. Bond Act 1915. Certified check 10% payable to city required with bid. Plans on file in office of clerk. Frank J. Rossi, city engineer.

SISKIYOU COUNTY, Cal.—Until June 16, 2 P. M., bids will be received by H. S. Comly, division engineer, State Highway Commission, Redding, to furnish and apply heavy fuel oil as a dust layer on 21-miles between Shasta River and Walker.

See call for bids under official proposal section in this issue.

SALINAS, Monterey Co., Cal.—J. L. Connor, Monterey, at \$39,636 awarded contract by county supervisors to grade and surface Pacific Grove-Carmel road from Pacific Grove to top of Carmel Hill, in Supervisor Dist. No. 5.

NO NOT RISK AN EXPERIMENT

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Sold by Representative Dealers Everywhere

SAN MATEO, San Mateo Co., Calif.—Union Paving Co., Call Bldg., San Francisco, at \$34,521.50 awarded contract by city council (30-4) to improve portions of 17th Ave., 19th Ave., 20th Ave., etc., involving grading; hyd. cement concrete pavement; hyd. cement concrete curbs; conc. concrete walks; circular conc. pipe storm water catchbasins; hyd. cem. conc. pipe storm water sewers; reinf. conc. box culvert; sanitary sewers of vit. and c. l. pipe.

OROVILLE, Butte Co., Cal.—Until June 23, 2 P. M., bids will be received by C. F. Belding, county clerk, to furnish and deliver 35,000 tons of crushed rock, screenings and similar material for fiscal year 1930-1931. Specifications and further information obtainable from J. A. Bumgarner, county road engineer at Oroville.

SAN MATEO, San Mateo Co., Calif.—Union Paving Co., Call Bldg., San Francisco, at \$90,552.65 awarded contract by city council (30-2) to improve portions of 9th Ave., 10th Ave., 7th Ave., etc., involving grading; comb. hyd. cem. conc. curbs and gutters, walks; asph. conc. base pave. on waterbound rock macadam cushion with 2-in. asph. conc. surf.; hyd. cem. conc. pipe storm water sewers; vit. clay pipe san. sewers; manholes; conc. sump and pumping unit complete.

SAN JOSE, Santa Clara Co., Cal.—Until June 23, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve Martin, Flint and Kohler Aves. in Supervisor District No. 2. Plans on file in office of clerk and obtainable from County Surveyor Robert Chandler.

SAN JOSE, Santa Clara Co., Cal.—Until June 23, 11 A. M., new bids will be received by Henry F. Pfister, county clerk, to improve Second and Third Sts. in town of Campbell. Contract for this project was awarded May 19 to A. J. Raish at \$1995, but the contract was rescinded by the supervisors on petition of the contractor. Plans on file in office of clerk and obtainable from County Surveyor Robert Chandler.

SONOMA COUNTY, Cal.—Following bids received May 23 by J. H. Skeggs, District Engineer, State Highway Commission, San Francisco, to furnish and apply asphaltic road oil on 3.9 miles between Beltane and Shellville.

A. Teichert & Son, Sacramento.....\$2,280
Geo. French, Jr., Stockton.....2,420
Basalt Rock Co., Napa.....2,550

SONOMA & MENDOCINO COUNTIES, Calif.—Following bids received May 23 by John H. Skeggs, District Engineer, State Highway Commission, State Bldg., San Francisco, to furnish and apply asphaltic road oil on 12.5 miles between Cloverdale and Hopland:

A. Teichert & Son, Sacramento.....\$6,975
Basalt Rock Co., Napa.....7,350
Highway Bldrs., Ltd., San Anselmo.....7,650

MADERA, Fresno, Tulare and Kings Counties, Cal.—G. M. Duntley, 534 Molino St., Los Angeles, at \$11,629 submitted low bid to State Highway Commission to furnish and apply light fuel oil to shoulders on 102.6 miles in Madera, Fresno, Tulare and Kings counties.

FRESNO & KINGS COUNTIES, Cal.—Stewart and Nuss, Inc., Fresno, at \$14,363.70 submitted low bid to State Highway Commission to furnish and apply light fuel oil on 45 miles bet. Coalinga and Hanford.

KERN COUNTY, Cal.—G. M. Duntley, 534 Molino St., Los Angeles, at \$5,235 submitted low bid to State Highway Commission to furnish and apply fuel oil to shoulders and road bed on 69.1 miles between Grapevine and Delane and between 7.7 miles and 2.7 miles west of Maricopa.

NAPA, Napa Co., Cal.—Until June 9, 7:30 P. M., bids will be received by H. H. Thompson, city clerk, (534) to construct cement concrete sidewalks in portions of Georgia street. 1911 Act. Certified check 10% payable to city required with bid. Plans on file in office of clerk. H. A. Harold, city engineer.

ELKO COUNTY, Nevada—Until June 11, 2 P. M., bids will be received by State Highway Commission to improve 31.44 miles of highway between Elko and Deeth, involving grading, gravel surface and construct structures. Plans on file at U. S. Bureau of Public Roads, 461 Market St., San Francisco, and obtainable from S. C. Durkee, state highway engineer, Carson City, on deposit of \$15, of which \$10 is returnable.

OROVILLE, Butte Co., Cal.—Bids will be called at once by C. F. Belding, county clerk, to furnish and deliver 35,000 tons of crushed rock to be used on county highways during fiscal year 1930-31. Specifications on file in office of clerk. J. A. Baumgarner, county road engineer.

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., at \$64,757 awarded contract by Board of Public Works, to improve Harrison St., between 2nd and 3rd Sts., involving grade; concrete curbs; 12-in. vit. clay pipe sewers with wyes; side sewers; brick manholes; 1½-in. asph. concrete surface pavement, 1½-inch binder course with 8-in. class E conc. base.

VISALIA, Tulare Co., Cal.—Central-California Road Co., Oakland, sublet contract to J. S. Caldwell of Visalia, at \$32,435 to improve E. Mineral King Ave. and W. Mineral King Ave. bet. South Court and S. Conyer Sts., and S. Conyer St., bet. Mineral King Ave. and bridge over Mill Creek, involving grading; 4-inch asph. conc. pave. with 1½-in. (granular surface type) Warrentite-Bit. surf.; hyd. conc. curbs, gutters, catchbasins; storm sewers. Contract for this work was originally let to the Oakland firm last April.

RIVERSIDE COUNTY, Cal.—California Road Oil Service Co., Wilmington, Calif., at \$42,167 awarded contract by State Highway Commission to furnish and apply to shoulders

heavy fuel oil on 29 miles between Whitewater River Bridge and Indio.

SAN JOAQUIN COUNTY, Cal.—Following bids received May 23 by State Highway Commission to grade and pave with asphalt concrete, 1.9 miles between South Santa Road and East Santa Road:
Healey-Moore Co., Oakland.....\$51,144
Valley Paving & Constr. Co., Visalia.....56,508
J. E. Johnston, Stockton.....57,688
C. W. Wood, Stockton.....58,434

SHASTA COUNTY, Cal.—Following bids received May 23 by State Highway Commission to furnish and apply heavy fuel oil on roadbed on 58.7 miles in various parts of Shasta County:

Basalt Rock Co., Napa.....\$19,126
J. A. Casson, Hayward.....20,080
D. McDonald, Sacramento.....20,582

LASSEN-MODOC COUNTIES, Cal.—Following bids received May 28 by State Highway Commission to furnish and apply heavy fuel oil, as a dust layer, on 57.2 miles between Hillside and Alturas:
J. A. Casson, Hayward.....\$20,330
D. McDonald, Sacramento.....21,509

RIVERSIDE COUNTY, Cal.—Following bids received May 23 by State Highway Commission to furnish and apply to shoulders heavy fuel oil on 29 miles between Whitewater River Bridge and Indio:
California Road Oil Service Co., Wilmington.....\$42,167
G. M. Duntley, Los Angeles.....43,261
Gilmore Oil Co., Los Angeles.....45,934

SAN BERNARDINO COUNTY, Cal.—Following bids received May 23 by State Highway Commission to furnish and apply heavy fuel oil on 71.8 miles between Cronese and east boundary: Gilmore Oil Co., Los Angeles.....\$18,484
G. M. Duntley, Los Angeles.....22,979
Calif. Rd. Oil Service Co., Wilmington.....24,501

KERN COUNTY, Cal.—G. M. Duntley, 534 Molino St., Los Angeles, at \$5,235 awarded contract by State Highway Commission to furnish and apply fuel oil to shoulders and road bed on 69.1 miles between Grapevine and Delane and between 7.7 miles and 2.7 miles west of Maricopa.

SAN JOSE, Santa Clara Co., Cal.—Until June 23, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to improve San Felipe road in Supervisor District No. 2. Plans on file in office of clerk and obtainable from County Surveyor Robert Chandler.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;

BLACKSMITHING AND WELDING

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 Zoe St., bet. 3rd and 4th, off Brannan St.
Phone GARfield 4374
San Francisco

SAN BERNARDINO COUNTY, Cal.
—Gilmore Oil Co., Los Angeles, at \$18,484 awarded contract by State Highway Commission to furnish and apply heavy fuel oil on 71.8 miles between Cronese and east boundary.

SAN MATEO, San Mateo Co., Calif.
—Stewart and McGaw at \$50,670.55 awarded contract by city council to widen North B St. (Acq. and Imp. District No. 1). Project involves: Grading, 6-in. conc. base pave. with 2-in. asph. conc. surface; const. reinf. concrete bridge; con. conc. curbs and gutters; cem. walks; 8-in. and 4-in. vit. pipe lateral sewers; br. manholes; 10-in. cement conc. pipe storm water sewers; electroliter lighting with underground system.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on June 25, 1930, at which time they will be publicly opened and read, for construction in accordance with specifications therefor, to which special reference is made, of portions of State Highways, as follows:

Colusa County (H1-Col-7-B), three concrete girder bridges; one across Salt Creek about 1 mile north of Williams, consisting of two 26'6" spans; one across Freshwater Creek about 1 1/2 miles north of Williams, consisting of three 25'0" spans; and one across Green Valley Slough about 4 miles north of Williams, consisting of two 21'6" spans.

Placer and Nevada Counties, between Airport and Yuba Pass (H1-Pla-Nev-7-E-A), about seven and two-tenths (7.2) miles in length, to be surfaced with crusher run base and untreated crushed gravel or stone surfacing.

Fresno County, between Fowler Switch Canal and Fancher Creek (V1-Fre-4-A & B), about seven and six-tenths (7.6) miles in length, to be graded and paved with asphalt concrete.

San Diego County, between Veljas Creek and Pine Valley (V11-S.D-12-D), about eleven and two-tenths (11.2) miles in length to be paved with Portland cement concrete.

Proposal forms will be issued only to those Contractors who have furnished a vettrified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes of 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany

prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS.
C. H. PURCELL,
State Highway Engineer.
Dated May 28, 1930.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street, Phone GARfield 8744.

20121—Testing Apparatus. Mannheim, Germany. Manufacturer of testing apparatus for iron and metal, rubber and paper, wants a connection locally.

20122—Clocks. Frankfurt, Germany. Manufacturer of electric - automatic control systems and clocks wishes connection with local firms.

20123—Representation. Elberfeld, Germany. Party is desirous of representing exporters of any kind of goods. References available.

20124—Safety Apparatus. Berlin, Germany. Concern manufacturing patent safety apparatus for cutting, welding, brazing, etc., using oxygen and oil fuels, wants connections.

20127—Representation. San Francisco, Calif. Party who is returning to Switzerland wishes to represent local houses in Europe, especially Switzerland, France, and Germany, either in a buying or a selling capacity. Is not interested in any particular line and would be willing to spend a training period here. Local references available.

20130—Showroom Facilities. Shanghai, China. Opportunity is offered to manufacturers to donate samples of products for display in commercial showroom of a public school.

20131—Representation. Harbin, Manchuria. Party desires to represent American firms in Manchuria, especially those handling steel, hardware, cooking utensils, canned goods, and foods products. Local reference.

20132—Representation. San Francisco, Calif. A local company having a representative in Manchuria is seeking new connections for this agent whom they recommend very highly. Party also has banking references.

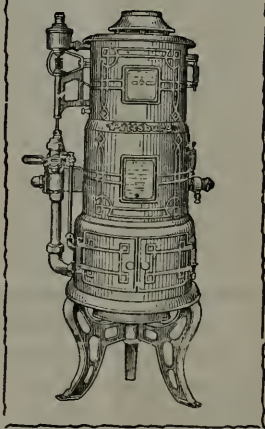
20135—Green Houses. Honolulu, T. H. Party is in the market for green houses for his home, and wishes to have manufacturers send him catalogues.

20137—General Agency. Anvers, Belgium. Company wants to obtain the general European agency for a local firm.

20138—Lumber Agency. Ponce, P. R. Party wishes to secure the representation of Douglas fir exporters.

20144—Representation. San Francisco, Calif. Party who has had four years' experience as a representative in Holland is returning there in the early fall, and wishes to secure the agencies for local houses. Is particularly interested in radios, machinery, specialties.

20155—Representation. Havana, Cuba. Party wishes to make connections with manufacturers for the purpose of representing them.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink"

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Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland

478 Sutter St., San Francisco

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Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

684	Borden	Owner	20000
685	Cyclops	Vensano	8000
686	Koblin	Amatore	6800
687	Green	Owner	6000
688	Lepo	Owner	4000
689	Richfield	Owner	5000
690	Richfield	Owner	5000
691	Stoneson	Owner	21000
692	Zieger	Owner	2000
693	McCabe	McCabe	5000
694	Harris	Owner	7000
695	Yeoman	Johnson	2000
696	Nichols	Mullen	2000
697	Cassidy	Owner	6500
698	Schaadt	Owner	500
699	Becsey	Owner	1000
700	Berti	Coburn	1000
701	Vannucci	Owner	1200
702	Willard	Soloman	3500
702	Berwick	Owner	3500
704	Wobber	Stoneson	15175
705	Same	Same	3925
706	Roman	Scully	50000
707	Amatore	Owner	4000
708	Chaquette	Magill	9000
709	Coast	Lindgren	40000
710	Kavanaugh	Owner	6500
711	Nelson	Owner	4500
712	Nelson	Owner	4000
713	Pacific	Patterson	4500
714	Ricconi	Erickson	9500
715	Sahn Kong	Stevens	1000
716	Stelling	Magill	3000

ALTERATIONS

(684) SW SUTTER and GOUGH Sts.; alterations and addition to present store and garage.

Owner—L. L. Borden, 417 Montgomery Street.
Architect—Bliss & Fairweather, 1001 Balboa Bldg. \$20,000

FACTORY

(685) NW SHIPLEY bet. 4th and 5th Sts.; one-story steel factory and pipe storage building.

Owner—Cyclops Iron Works, 837 Folsom St.

Plans by Builder.

Contractor—H. C. Vensano, 58 Sutter Street. \$3000

DWELLINGS

(686) GIRARD 64 N Olmstead; two 1-story and basement frame dwellings.

Owner—J. Koblin, 1230 Silver Ave. Architect—None.

Contractor—F. Amatore, 1392A Hamp-shire St. each \$3400

DWELLINGS

(687) E VERNON 200 N Randall; 2 1-story and basement frame dwellings.

Owner and Builder—R. Green, 417 Chancery Bldg.

Architect—None. each \$3003

DWELLING

(688) N HOLYOKE 200 E Felton; 1-story and basement frame dwelling.

Owner—S. Lepo, 460 Ellis St.

Architect—None. \$4003

SUPPLY STATION

(698) NE cor. 19th AVE & IRVING; one-story concrete auto supply station.

Owner—Richfield Oil Co. of California, 502 Matson Bldg.

Plans by Owner. \$5000

STORES

(690) NE 19th AVE. & Irving; 1-story frame stores in connection with above super-service station.

Owner—Richfield Oil Co. of California, 502 Matson Bldg.

Plans by Owner. \$5000

DWELLINGS

(691) S SEMINOLE 30 W Cayuga; six 1-story and basement frame dwellings.

Owner—Stoneson Bros. & Thorinsson, 279 Yerba Buena Ave.

Architect—C. F. Strothoff, 2274 15th Street. each \$3500

DWELLING

(692) NW MADRID 200 NE Italy. One-story and basement frame dwelling.

Owner—K. Zieger, 766 Madrid St., San Francisco.

Architect—None. \$2000

DWELLING

(693) S BEACH 214 E Cervantes; 1-story and basement frame dwelling.

Owner—E. McCabe, 716 Ulloa.

Contractor—J. McCabe, 216 Ulloa. \$5000

DWELLING

(694) S HAYES ST. 106 W Pierce; 2-story and basement frame dwelling.

Owner—P. Harris, 15 Balceta Ave. Architect—None. \$7000

ALTERATIONS

(695) N SAN MATEO AVE. 234 W San Diego; alterations and additions to dwelling.

Owner—B. C. Yeoman, 85 San Louis Avenue.

Architect—None.

Contractor—A. Johnson, 85 San Louis Avenue. \$2000

ALTERATIONS

(691) N MARKET ST. 200 □ Taylor; alterations to restaurant.

Owner—J. Nichols, 972 Market St. Architect—None.

Contractor—Mullen Mfg. Co. 60 Rausch Street. \$2000

DWELLINGS

(697) NW WILDE and Goettingen; two 1-story and basement frame dwellings.

Owner—R. F. Cassidy Co., 1419 18th Street.

Architect—None. each \$2250

DWELLINGS

(698) W MANOR 355 N Ocean Ave.; two 1-story and basement frame dwellings.

Owner—E. L. Schaadt, 31 Howth St. Architect—None. each \$5000

ALTERATIONS

(699) 2937 SCOTT ST.; alterations to apartments.

Owner—Mrs. I. Becsey, 1573 Arch St., Berkeley.

Architect—E. E. Young, 2002 California St. \$1000

REPAIRS

(700) 1242 NEWCOMB; repair fire damage.

Owner—A. Berti, 711 Hearst Bldg.

Architect—None.

Contractor—L. W. Coburn, 711 Hearst Bldg. \$1000

ALTERATIONS

(701) S 25th ST. 101 W Dolores; alterations to flats.

Owner—A. Vannucci, 271 Naples St. Architect—None. \$1200

REPAIRS

(702) SE GROVE and Clayton Sts.; repair fire damage.

Owner—J. Willard, 1724 Broderick St. Architect—None.

Contractor—L. Solomon, 1734 Broderick St. \$3500

DWELLING

(703) E LYELL 225 S Bosworth; one-story and basement frame dwelling.

Owner—A. Berwick, 1525 Noe St. Architect—None. \$3500

STORES

(704) NE NINTH AVE. and Irving St.; two-story and basement frame (4) stores, (2) apartments and offices.

Owner—Wobber Bros., 412 Jessie St. Architect—A. A. Schroeffer, 681 Market Street.

Contractor—E. L. Stoneson, 279 Yerba Buena Ave. \$15,175

STORE

(705) N IRVING ST. 45 ft. east of 9th Ave.; one-story and basement frame store.

Owner—Wobber Bros., 412 Jessie St. Architect—A. A. Schroeffer, 681 Market Street.

Contractor—E. L. Stoneson, 279 Yerba Buena Ave. \$3925

ALTERATIONS

(706) SW BROADWAY & Van Ness Ave.; alterations to church.

Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.

Architect—H. A. Minton, Underwood Building.

Contractor—J. Scully, Phelan Bldg. \$50,000

DWELLING

(707) N NAPLES 300 W Persla; one-story and basement frame dwelling.

Owner—J. Amatore, 331 Lisbon St. Architect—None. \$4000

STORES

(708) W WEST PORTAL 66 S Vicente; two-story and basement frame stores.

Owner—C. A. Chaquette, 185 19th Ave. Architect—S. Helman, 605 Market St.

Contractor—C. T. Magill, 185 19th Ave. \$9000

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Company

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Manager

914 Seventh Street

Sacramento - California

EXCAVATION & FOUNDATION
(709) W GOUGH ST. bet. Washing-
ton and Sacramento; excavation &
foundation for apartments.
Owner—The Coast Bay Co., % builder.
Architect—Geo. W. Kelham, Sharon
Bldg.
Contractor—Lindgren & Swinnerton,
625 Standard Oil Bldg. \$40,000

FLATS
(710) E 20th AVE. 225 S Santiago; 2-
story and basement frame (2) flats
Owner and Builder—D. S. Kavanaugh,
1121 Ordway St.
Architect—None. \$6500

DWELLING
(711) W WESTGATE DRIVE 33 N
Ocean Ave.; one-story and base-
ment frame dwelling.
Owner—Fernando Nelson & Sons, 2198
Ocean Ave.
Architect—None. \$4500

DWELLINGS
(712) W 21st AVE. 110 N Ortega; two
one-story and basement frame
dwellings.
Owner—Fernando Nelson & Sons, 2198
Ocean Ave.
Architect—None. each \$4000

FACTORY
(713) S BEACH ST. bet. Mason and
Taylor; one-story frame factory.
Owner—Pacific Box Factory, North
Point and Taylor Sts.
Plans by P. L. Bush, 101 California St.
Contractor—J. Patenson, Berkeley. \$4500

APARTMENTS
(714) S 18th ST. 183 W Douglass; 2-
story and basement frame (3)
apartments.
Owner—Mrs. A. Ricconi, 4529 18th St.
Architect—None.
Contractor—H. Erickson, 972 Chenery.
\$9500

REPAIRS
(715) 452 GRANT AVE.; repair fire
damage.
Owner—Sahn Kong Assn., 453 Grant
Avenue.
Architect—None.
Contractor—W. J. Stevens, 1226 28th
Ave. \$1000

STORE
(716) N HAIGHT ST. 155 E Clayton;
one-story and basement frame
store.
Owner—M. Stelling, Jr., Alexander
Bldg.
Architect—Bertz, Winter and Maury,
210 Post St.
Contractor—C. T. Magill, 185 19th Ave.
\$3000

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Am't.
106	Crivello	Damico	12000
110	S. P. Co.	Barrett	95000
111	Allen	Jacks	21928
112	Allen	Sugarman	2095
113	Cyler	De Vebiss	8389
114	Railway	Hurley	4611
115	Stelling	Magill	3800
116	Hebrew	Spivock	71739
117	Same	Klimm	16927
118	Fenech	Standard	60250
119	Hebrew	Haverkamp	6875
120	Marian	Devincenzi	2000

FLATS
(109) W HYDE ST. 56-6 S Beach St.
S 27 x W 85; all work on two flats
(5 room) garage frame building.
Owner—V. and F. Crivello, 2702 Hyde
Street.
Architect—None.
Contractor—T. Damico, 2345 Polk St.
Filed May 28, '30. Dated May 23, '30.
Roof on\$3000
Plastered 3000

Completed 3000
Usual 35 days 3000
TOTAL COST, \$12,000
Limit, 90 days.

ANNEX

(110) BLK BOUNDED BY Fell, Ly-
on, Hayes and Baker Streets; all
work on 6-story and basement an-
nex to present hospital.
Owner—Southern Pacific Co., 65 Mar-
ket Street.
Architect—A. I. Coffey, Phelan Bldg.
Contractor—Barrett & Hilp, 918 Har-
rison Street.
Filed May 23, '30. Dated May 12, '30.
Semi-monthly payments.
Contractor's fee\$5000
TOTAL COST, \$95,000
Bond, \$95,000. Sureties, U. S. Guar-
antee Co. Limit, 260, 1931. Plans
and Spec. filed.

RESIDENCE

(111) N LAKE ST. 248-96 W 30th
Ave. W 153-96 E 106-88 S 105-5;
all work on 2-story and basement
residence.
Owner—Harry E. Allen, Inc., 168 Sut-
ter St.
Architect—S. L. Hyman and A. Ap-
pleton, 63 Post St.
Contractor—Jacks & Irvine, 74 New
Montgomery St.
Filed May 29, '30. Dated May 26, '30.
Foundations completed\$4385.50
Frame up "
Plastered "
Completed "
Usual 35 days "
TOTAL COST, \$21,928
Bond, \$10,964. Sureties, J. Rolando.
Limit, 85 days. Plans and Spec. filed.

(112) HEATING on above.

Contractor—E. Sugarman, 3624 Geary
Street.
Filed May 29, '30. Dated May 26, '30.
Rough in\$1047.50
Completed 523.75
Usual 35 days 523.75
TOTAL COST, \$2095
Plans and Spec. filed.

ALTERATIONS

(113) 250 SACRAMENTO ST.; altera-
tions to two-story and basement
class C brick building.
Owner—Mrs. C. B. Cuyler.
Architect—O'Brien Bros. and W. D.
Peugh, 315 Montgomery St.
Contractor—C. D. Vebiss, 354 Hobart
St., Oakland.
Filed May 29, '30. Dated May 27, '30.
Completed\$6291.75
Usual 35 days 2097.25
TOTAL COST, \$8389
Bond, \$4260. Sureties, A. L. Ricconi
and R. Van Bokkelen. Limit, 24 days.
Plans and Spec. filed.

ALTERATIONS

(114) 617-631 FOLSOM ST.; altera-
tions to stable building.
Owner—Railway Express Agency, Inc.
2nd and Mission Sts.
Architect—None.
Contractor—F. Hurley, 406 Pacheco St.
Filed May 29, '30. Dated May 28, '30.
20th of each month 75%
Usual 35 days 25%
TOTAL COST, \$4611
Bond, \$2606. Sureties, Maryland Cas-
ualty Co. Forfeit, \$10. Limit, 30 days.
Plans and Spec. filed.

STORE

(115) N HAIGHT ST. 155 E Clayton
St.; all work on one-story frame
store building.
Owner—M. Stelling, Jr., 155 Montgom-
ery Street.
Architect—Bertz, Winter and Maury,
210 Post St.
Contractor—C. T. Magill, 185 19th Ave.
Filed May 29, '30. Dated May 28, '30.
Payments Not Given.
TOTAL COST, \$3800
Bond, \$1900. Sureties, Aetna Casualty
& Surety Co. Limit, 60 days. Plans
and Spec. filed.

BUILDING

(116) BEG. AT IRON SPIKE AT
intersection E Mission and S
Silver Ave S 76° 22' E 233.48 S 89°
8' E 227.995 N 85° 57' E 181.26 N
89° 13' E 38.69 S 31° W 920.15 N
59° 99' W 716.85 N 41° 15' E 387.05
N 38° 02' E 242.199. All work for
general contract for two-story
building.

Owner—Hebrew Home for Aged Dis-
abled, 302 Silver Ave., San Fran-
cisco.

Architect—S. L. Hyman and A. Ap-
pleton, 63 Post St., San Francisco.
Contractor—Spivock & Spivock, Ho-
bart Bldg., San Francisco.

Filed June 3, '30. Dated June 2, '30.
On 5th day of each month 75%
Usual 35 days 25%

TOTAL COST, \$17,739.50
Bond, \$71,739.50. Surety, Mass. Bond-
ing & Insurance Co. Limit, 125 days.
Forfeit, \$100 per day. Plans and
specifications filed.

(117) PLUMBING AND HEATING

and mechanical work on above.
Contractor—Frank J. Klimm Co., 456
Ellis St., San Francisco.

Filed June 3, '30. Dated June 2, '30.
Payments same as above.

TOTAL COST, \$10,927
Bond, none. Limit, 125 days. Forfeit,
none. Plans and specifications filed.

APARTMENTS

(118) S JEFFERSON 192-6 E Brod-
erick E 55xS 137-6 W A 483. All
work for three-story frame apart-
ment house.

Owner—Joseph and Jennie Fenech,
1132 York St., San Francisco.
Architect—None.

Contractor—Carl and Fred Geilert (as
Standard Building Co.), 1610 Har-
rison St., San Francisco.

Filed June 3, '30. Dated May 29, '30.
2nd story joists in place\$ 5,000
Roof on 10,000
Brown coated 15,000
Completed and accepted 15,000
Usual 35 days 15,250

TOTAL COST, \$60,250
Bond, \$60,250. Surety, Associated In-
demnity Corp. Limit, 150 days after
June 10. Forfeit, none. Plans and
specifications filed.

ELECTRICAL WORK

(119) INTER E MISSION ST. and S
Silver Ave S 76 deg 22 min E 233-
48 S 89 deg 8 min E 227-995 N 89
deg 57 min E 181-264 N 89 deg 13
min E 38-69 S 31 deg W 920-15 N
59 deg 99 min W 716-85 N 41 deg
15 min E 387-05 W 33 deg 02 min
E 242-199; electrical work.

Owner—Hebrew Home for Aged and
Disabled.

Architect—S. L. Hyman and A. Ap-
pleton, 63 Post St.

Contractor—H. E. Haverkamp, 1175
Market St.

Filed June 7, '30. Dated June 2, '30.
Monthly payments of 75%

Usual 35 days 25%
TOTAL COST, \$6875
Bond, \$6875. Sureties, Massachusetts
Bonding & Ins. Co. Limit, 125 days.
Plans and Spec. filed.

GRADING

(120) SE CALIFORNIA and Joice;
grading.

Owner—Marian Realty Co., Ltd.
Architect—H. C. Baumann and Jas. H.
Smith (Eng.), 251 Kearny St.

Contractor—L. Devincenzi & Co., 148
Blake St.

Filed June 4, '30. Dated May 26, '30.
Completed and accepted\$1000
Usual 35 days 1000

TOTAL COST, \$2,000
Limit, 10 days. Plans filed.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
May 25, 1930—LOT 18 BLK 2 Saint Francis Wood Eten No 1, known as 35 St Francis Wood, Mr and Mrs Jules H Bernheim to Henry Papenhausen.....	May 26, 1930
May 26, 1930—W 17th AVE 56 N Lawton N 50 x W 120 OL 755. Michael and Nellie Costello to whom it may concern.....	May 27, 1930
May 27, 1930—E LEE AVE 65 N Grafton Ave N 35 x E 25. The McCarthy Co to Wm Duerner, Jr.....	May 24, 1930
May 27, 1930—44-46-48 ARLINGTON St fmly known as 12-14-16 Fairmount St. Mathilda M Weiss to Clancy Bros.....	May 27, 1930
May 27, 1930—W 25th AVE 400 S R 25x120. N W Anderson to whom it may concern.....	May 25, 1930
May 27, 1930—NW APTOS AVE and NE line Lot 4 Blk 3267 SW 39 N 69 deg 25 min 22.9 sec W 100 NE 36-513 S 70 deg 53 min 53.2 sec E 100 to beg ptn lot 4 blk 3267 map blks 3260 to 3263 Balboa Terrace Addn. Castle Bldg Co to Henry Horn.....	May 25, 1930
May 29, 1930—LOT 7 BLK 2557A map Sub No 3 Miraloma Park, N Wama 82-5 E 21st Ave 75 x N 100 OL 1243. Meyer Bros to whom it may concern.....	May 29, 1930
May 29, 1930—N FELL 75 E Shrader E 25 x N 100. W J Dowling to P J Phelan.....	May 29, 1930
May 29, 1930—W GUERRERO 53 N Twenty-first 25x92-6 known as 866 and 868 Guerrero St. James and Katherine Monaghan to whom it may concern.....	May 29, 1930
May 29, 1930—SW PACIFIC AVE & Laguna St S 94-8 1/4 W 96 S 33 W 41-6 N 127-8 1/4 E 137-6 to beg WA 240. Marian Realty Co. Ltd to whom it may concern.....	May 29, 1930
June 3, 1930—W 29th AVE 375 N Cabrillo St 25x120. Thos E Mohler to whom it may concern.....	June 3, 1930
June 3, 1930—W 40th AVE. 293 S Irving S 25 x W 120 OL 712. R F Galli to whom it may concern.....	June 3, 1930
June 3, 1930—SW HAMILTON 160 S Silliman 28x120. Joe and Assunta Sant to Thos F Loftus.....	May 29, 1930
June 2, 1930—S PACIFIC AVE and W Laguna St S 94-8 1/4 W 96 S 33 W 41-6 N 127-8 1/4 E 137-6. Marian Realty Co Ltd to whom it may concern.....	May 29, 1930
June 2, 1930—SE PAGE ST and Ashbury St E 90 x S 25. F Steffen to C G Willington.....	May 24, 1930
June 2, 1930—N BROAD ST 149 E Orizaba Ave E 24-10 1/2 x N 125. N C Nicklassen to whom it may concern.....	June 2, 1930
May 31, 1930—E MISSOURI 225 S Twentieth. 25x100. E E Sawyer to F C Callaghan and J Dentoni.....	May 31, 1930

LIENS FILED

San Francisco County

Recorded	Amount
Jules Ave, Nos 1725-27-31-35 Ocean Ave. McCabe Electric Co vs J Satmary and Chas H Duerner.....	\$175
May 27, 1930—45th AVE and Point Lobos Ave, the M B Clipper Apt Bldg. Abbott A Hanks, Inc vs M June 2, 1930—N PINE ST 31-3 E Lyon St E 25 x N 80. Geo A Wara vs Annie C O'Donnell or A C McDonald and Thos O'Donnell or Thos McDonald.....	\$616.30
June 2, 1930—N PINE ST 73 West Baker W 39-2 N 50 E 34 S 25 W 2-9 S 25 WA 581. Phil Levy as	

Levy Elec Const Co vs Anne C McDonald and Frank Neel.....\$137
 June 2, 1930—N PINE ST 31-3 E Lyon E 25 x N 80. E Jensen vs Thomas and Anna C O'Donnell or Anna McDonald.....\$112
 May 29, 1930—LOTS 20 AND 21 BLK 24, Map Lakeview. H H Smith, \$1861.45; Tyre Bros Glass Co, \$455 vs John Satmary and Charles H. Duerner.....

May 25, 1930—S OCEAN AVE 75 E Jules Ave E 50 x S 100 Blk 24, map Lakeview. Albert Cook vs C H and T Duerner and J Satmary.....\$233
 June 3, 1930—SE PAGE and ASH-BURY S 25 x E 90. Devincenzi Bros & Co, \$56.90; McKee Bros, \$500; San Francisco Glass Co, \$200.50, vs C G Willington, Fritz and Anna Steffen.....

To Whom It May Concern:
 This is to advise that lien filed May 24, 1930, E Lyon 50x75 S Chestnut 25x 92 against A. Antonechuk and Risdon Bros. should have been filed only against A. Antonechuk, sub-contractor.

RELEASE OF LIENS

San Francisco County

Recorded	Amount
June 2, 1930—E LYON 50 and 75 S Chestnut 25x93. Inlaid Floor Co to Risdon Bros.....	\$132.25
May 25, 1930—W DIVISADERO 82-6 S Geary S 27-11 1/2 x W 80 known as 1439-41 Divisadero St. Thos Garfield to T F Truswell.....	\$70

BUILDING PERMITS

Alameda County

No. Owner	Contractor	Amt.
683 Marston	Livingston	7000
689 American	Muller	1800
690 Baker	Wallace	47000
691 Oakland	Austin	4000
692 Anderson	Owner	1800
693 Erben	Dolan	5750
694 Hogan	Schneck	1800
695 Kinley	Owner	40000
696 Walker	Owner	17500
697 Wise	Rose	1000
698 Multhrop	Yerrick	5000
699 Justice	Owner	6000
700 Bugg	Blitrite	5000
701 Hunt	Hunt	5000
702 Farrelly	Gossett	14600
703 Barth	Owner	2750
704 Breheny	Owner	2500
705 Dunn	Larmer	2500
706 Johnson	Nylander	3750
707 Lino	Middlekauf	3000
708 Misiner	Owner	4600
709 Netherby	Owner	4000
710 Rowe	Owner	1000
711 De Jirere	De Velbiss	1000
712 Hahn	Hanssaa	4400
713 French	Owner	4650
714 Broadway	Brumfield	5800
715 Larkin	Owner	2000
716 Maclay	Green	2500
707 Bowker	Sullivan	6000
708 Hazen	Petersen	7000
709 Trimlett	Owner	4500
710 De Loss	McBride	9000
711 Sampson	Owner	2300

RESIDENCE
 (658) 2330 VINE ST., BERKELEY; one-story 4-room 1-family class C residence.

Owner—W. H. Marston Co., 2333 Vine St., Berkeley.
 Architect—E. T. Spencer, Shreve Bldg. San Francisco.
 Contractor—W. Livingston & Son, 1152 Euclid Ave., Berkeley. \$7000

REPAIRS
 (689) 2412 WEBSTER ST., OAKLAND; fire repairs.
 Owner—American Trust Co. Architect—None.
 Contractor—F. A. Muller, 805 Syndicate Bldg., Oakland. \$1800

APARTMENTS

(690) SW COR. IVY DRIVE & Carroll St., OAKLAND; three-story 66-room apartments.
 Owner—B. Baker, 1404 Franklin St., Oakland.
 Architect—None.
 Contractor—F. J. Wallace, 466 Van Dyke Ave., Oakland. \$47,000

ALTERATIONS

(691) OAKLAND AIRPORT, OAKLAND; alterations.
 Owner—Port of Oakland.
 Architect—None.
 Contractor—Austin Co. of California, 729 Ray Bldg., Oakland. \$4000

ADDITION

(692) NO. 4036 LYON AVE., OAKLAND. Addition.
 Owner—H. I. Anderson, Premises.
 Architect—None. \$1300

DWELLING

(693) NO. 5009 PROCTOR AVE OAKLAND. One-story five-room dwelling.
 Owner—H. J. Erben, 4416 Pleasant Valley Court, Oakland.
 Architect—None.
 Contractor—Leo J. Dolan, 316 17th St., Oakland. \$5750

GARAGE

(694) NO. 4182-58 GREENWOOD AV., OAKLAND. One-story concrete garage.
 Owner—Hogan Lumber Co., Second and Alice Sts., Oakland.
 Architect—None.
 Contractor—A. W. Schneck, 3561 Redwood Road, Oakland. \$1800

APARTMENTS

(695) NO. 3030 REGENT ST., BERKELEY. Three-story 51-room 13-family frame and stucco apts.
 Owner—J. M. Kinley, 2120 Delaware St., Berkeley.
 Architect—None.
 Contractor—J. M. Kinley, 2120 Delaware St., Berkeley. \$40,000

DWELLING

(696) S BEECHWOOD DRIVE 100 E Yorkshire, OAKLAND. Two-story 11-room dwelling and one-story garage.
 Owner—J. M. Walker, 1709 Grove St., Berkeley.
 Architect—None. \$17,500

REPAIRS

(697) NO. 859 FIFTY-SEVENTH ST. OAKLAND. Fire repairs.
 Owner—F. E. Wise, 539 57th St., Oakland.
 Architect—None.
 Contractor—A. H. Rose, 478 25th St., Oakland. \$1000

DWELLING

(698) 3019 BAYO VISTA AVE., ALAMEDA; one-story 7-room frame and stucco dwelling.
 Owner—J. H. Multhrop, 1112 Pacific Ave., Alameda.
 Plans by Builder.
 Contractor—A. J. Yerrick, 5263 College Ave., Oakland. \$5000

DWELLING

(699) 1842-44 FREMONT DRIVE, ALAMEDA; two-story 11-room frame and stucco dwelling.
 Owner and Builder—N. F. Justice, 973 Pearl St., Alameda.
 Plans by Owner. \$6000

RESIDENCE

(700) 1186 SHATTUCK AVE., BERKELEY; one-story 6-room 1-family frame residence.
 Owner—Mrs. E. Bugg, care Blitrite Construction Co.
 Architect—W. W. Dixon, 1844 5th Ave., Oakland.

Contractor—Bilrite Const. Co., 366 Ocean View Ave., Berkeley. \$5000

RESIDENCE
(701) 1536 LE ROY AVE., **BERKELEY**; two-story 7-room 1-family frame residence.
Owner—Charlotte Hunt, 1417 Arch St., Berkeley.
Architect—W. L. Brodrick, 407 Koerber Blvd., Berkeley.
Contractor—F. M. Hunt, 1417 Arch St., Berkeley. \$5000

BATHHOUSE
(702) 940 DUTTON, **SAN LEANDRO**; bathhouse and swimming pool.
Owner—Donation to School by Farrelly.
Plans by City Engineer.
Contractor—C. A. Gossett. \$14,600

ADDITION
(703) 7801 NEY AVE., **OAKLAND**; addition.
Owner and Builder—Walter F. Barth, 7801 Ney Ave., Oakland.
Architect—None. \$2750

ADDITION
(704) 3760 PIEDMONT AVE., **OAKLAND**; addition.
Owner and Builder—Dr. J. F. Breheny, 3760 Piedmont Ave., Oakland.
Architect—None. \$2500

REPAIRS
(705) NE COR. 18th and San Pablo, **OAKLAND**; fire repairs.
Owner—Dr. Dunn.
Architect—None.
Contractor—Ed. Larmer, 90 Fairview Ave., Piedmont. \$2500

DWELLING
(706) SW COR. 107th AVE. and Beverly, **OAKLAND**; one-story 5-room dwelling and 1-story garage.
Owner—Wm. Johnson.
Architect—None.
Contractor—Nylander Bros., 1610 Excelsior Ave., Oakland. \$3750

DWELLING
(707) 9700 PLYMOUTH ST., **OAKLAND**; one-story 6-room dwelling.
Owner—Steve Linch, 9703 Cherry St.
Architect—None.
Contractor—C. Middlekauf, 1240 61st Ave., Oakland. \$3000

DWELLING
(708) S SIMPSON 500 W 73rd Ave., **OAKLAND**; one-story six-room dwelling.
Owner and Builder—E. F. Misner, 6221 Simpson St., Oakland.
Architect—None. \$4600

DWELLING
(709) W McKILLOP AVE. 200 South Sheffield, **OAKLAND**; one-story 6-room dwelling.
Owner and Builder—W. A. Netherby, 3853 Lyman Road, Oakland.
Architect—None. \$4000

ALTERATIONS
(710) 242 MOSS AVE., **OAKLAND**; alterations.
Owner and Builder—Dr. Rowe, 242 Moss Ave., Oakland.
Architect—None. \$1000

ALTERATIONS
(711) 1524 BONITA AVE., **BERKELEY**; alterations.
Owner—B. L. De Jirere.
Architect—None.
Contractor—C. Dudley De Velbiss, 354 Hobart St., Oakland. \$1000

ALTERATIONS
(712) 702 SAN LOUIS ROAD, **BERKELEY**; alterations.
Owner—G. W. Hahn.
Architect—None.
Contractor—Louis O. Hanssian, 1409 Bonita Ave., Berkeley. \$4400

RESIDENCE
(713) 566 VINCENTE AVE., **BERKELEY**; two-story 6-room 1-family frame residence.
Owner—O. M. French, 1740 Walnut St., Berkeley.
Architect—None. \$4650

MARQUEE AND SIGN
(714) W BROADWAY 100 S 12th St., **OAKLAND**; marquee, sign and electric sign.
Owner—Broadway Theatre Co.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 965 Folsom St., San Francisco. each \$2900

ADDITION
(715) 753 WALKER Avenue, **OAKLAND**; addition.
Owner and Builder—E. A. Larkin, 753 Walker Ave., Oakland.
Architect—None. \$2000

ALTERATIONS
(716) 5100 TELEGRAPH Ave., **OAKLAND**; alterations.
Owner—A. H. Maclay, 367 17th St., Oakland.
Architect—None.
Contractor—S. A. Green, 3446 Telegraph Ave., Oakland. \$2500

DWELLING
(707) N ASPINWALL ROAD 150 E Gouldin Road, **OAKLAND**; one-story 6-room tile dwelling.
Owner—W. H. Bowker.
Architect—None.
Contractor—Sullivan and Sullivan, 354 Hobart St., Oakland. \$6000

DWELLING
(708) E OAKMORE ROAD 160 North Casterline Road, **OAKLAND**; one-story 5-room dwelling.
Owner—W. Hazen.
Architect—None.
Contractor—J. E. Petersen, 4021 Agua Vista Ave., Oakland. \$7000

DWELLING
(709) 4340 FLEMING AVE., **OAKLAND**; two-story 6-room dwelling.
Owner and Builder—Robert Trimlett, 4320 Fleming Ave., Oakland.
Architect—None. \$4500

RESIDENCE & GARAGE
(710) 2112 EUCLID AVE., **BERKELEY**; two-story 10-room frame and stucco residence and garage.
Owner—De Loss W. Lee.
Plans by Mr. McBride.
Contractor—R. C. McBride, 4137 Broadway, Oakland. \$9000

ALTERATIONS
(711) 2111 MCKINLEY AVE., **BERKELEY**; alterations.
Owner—A. W. Sampson, Faculty Club, Berkeley.
Architect—None. \$2300

BUILDING CONTRACTS

Alameda County

99 U. OF C.	Ruhlman	1171
100 California	Vezev	3987
101 Same	Same	7195
102 International	Inlaid	1705
103 Female	Rasori	79082
104 Howard	Turner	10697

WINDOW SHADES
(99) GIANNINI HALL, University of California, Berkeley. All work for furnishing and installing window shades.
Owner—The Regents of the University of California, Berkeley.
Architect—None.
Contractor—A. J. Ruhlman & Co., Inc., 441 Golden Gate Ave., San Francisco.
Filed May 29, '30. Dated May 19, '30. On completion 75%

Usual 35 days.....	25%
TOTAL COST, \$1171	
Bonds (2) Labor and material, \$1000; performance, \$1000. Surety, The Century Indemnity Co. Limit, 35 days. Forfeit, \$15 per day. Plans and specifications filed.	

FACTORY
(100) N THORNTON ST. near Alvarado, San Leandro; general construction on extension to factory building.
Owner—California Packing Corp.
Architect—None.
Contractor—Chas. D. Vezev & Sons, 3220 Sacramento St., Berkeley.
Filed and Dated June 3, 1930.
When walls are completed.....\$96.75
When roof is sheathed.....96.75
When completed.....96.75
36 days after acceptance.....96.75
TOTAL COST, \$3987
Bond, \$3987. Sureties, Fidelity and Deposit Co. Limit, 40 days. Plans and Spec. filed.

SHED
(101) SW SAUNDERS and Martinez Sts., San Leandro; general construction on pear shed.
Owner—California Packing Corp.
Architect—None.
Contractor—Chas. D. Vezev & Sons, 3220 Sacramento St., Berkeley.
Filed and Dated June 3, 1930.
When floor is laid.....\$1798.75
When roof is sheathed.....1798.75
When completed.....1798.75
36 days after completion.....1798.75
TOTAL COST, \$7,195
Bond, \$7195. Sureties, Fidelity & Deposit Co. Limit, 40 days. Plans and Spec. filed.

FLOORING
(102) LOTS 10, 11, 12, 13, 14, 15 and west ptn Lot 16, map of the Benton property, Berkeley; furnish & install oak and maple hardwood flooring.
Owner—International House (a corp.)
Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.
Contractor—Inlaid Floor Co., 4067 Watts, Oakland.
Filed June 2, '30. Dated May 5, '30.
Tenth of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$1705
Bond, \$52.50. Sureties, Pacific Indemnity Co. Plans and Spec. filed.

ADDITIONS
(103) MISSION SAN JOSE, Alameda Co.; general construction of additions to Mother House of the Dominican Convent.
Owner—Female Religious of the Order of St. Dominic (a corp.)
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—S. Rasori, 74 New Montgomery St., San Francisco.
Filed June 4, '30. Dated June 2, '30.
First of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$79,082
Bond, \$40,000. Sureties, G. Franchini, John M. Perata. Limit, 200 days. Plans and Spec. filed.

SPRINKLING SYSTEM
(104) WAREHOUSES 7 and 8, Oakland; installing sprinkling system in warehouses.
Owner—Howard Terminal, First and Market Sts., Oakland.
Architect—None.
Contractor—The Turner Co., 329 Tehama St., San Francisco.
Filed June 4, '30. Dated May 19, '30.
Tenth of each month.....75%
Usual 35 days.....Balance
TOTAL COST, \$10,637
Limit, July 15, 1930.

BUILDER'S BOND

ALAMEDA COUNTY

Location not given. Owner, Curtis Wright Airport Corp.; C. W. Wood, Stockton, contractor; Filed May 31, 1930. Dated April 10, 1930. Bond, \$1116.50. Surety, National Surety Co.

COMPLETION NOTICES

Alameda County

Recorded Accepted
May 29, 1930—N PREDA St between Williams Lane and San Leandro Creek, San Leandro. John Supriano to L R Martin.....May 24, 1930
May 29, 1930—LOT 1, Ashley Tract, Oakland. Harvey C Nichols to whom it may concern.....May 29, 1930
May 29, 1930—W PARK ST 77-13 ft south of Sarta Clara Ave, Alameda. Pacific National Bank of San Francisco, trustee for J De La Montanya to Ben F Kopf.....May 26, 1930
May 29, 1930—LOT 24, Hopkins and Ave Tract, Oakland. L C Fish to whom it may concern.....May 20, 1930
May 29, 1930—LOT 173, Broadmoor Manor, San Leandro. Anthony Dutro to Chas W Falk.....May 29, 1930
May 29, 1930—LOTS 19-21-23-25, The Arnold Blvd Tract, Oakland. Leslie B Magoon to whom it may concern.....May 26, 1930
May 29, 1930—LOT 34, Oaklawn Manor, Oakland. W J Baker to W Johnson.....May 27, 1930
May 29, 1930—LOTS 33 and 34, East 14th St Tract, Eden Twp. Zella Glen Weddle to whom it may concern.....May 24, 1930
May 29, 1930—SE LINE VERSAILLES Ave and SW line of Clay St, Alameda. Sidney J Dowling to whom it may concern.....May 26, 1930
May 27, 1930—1141 MARIN AVE, Albany. Fred A Severy Jr to whom it may concern.....May 26, 1930
May 27, 1930—CLAREMONT Cistern and Gate House, Alameda Co. East Bay Municipal Utility District to A Frederick Anderson.....May 22, 1930
May 27, 1930—3723 38th AVE, Oakland. F E and Georgia Corrigan to whom it may concern.....May 20, 1930
May 29, 1930—CAMPUS OF University of California, Berkeley. Regents of University of California to Malott & Peterson.....May 28, 1930
May 31, 1930—NO. 663 COLUSA AVE, Berkeley. George E Felt to whom it may concern.....May 29, 1930
June 3, 1930—LOT 209 BLK M, Farnside, Alameda. John White to whom it may concern.....May 31, 1930
June 3, 1930—1315 TRESTLE GLEN Road, Oakland. Louis W Roth to Self.....June 3, 1930
June 3, 1930—SW POMONA AND Dartmouth, Albany. Chas Marietti to Self.....July 1, 1930
June 2, 1930—LOT 143, County Club Manor, Oakland. Wickham Havens, Inc to C F Lodge.....May 27, 1930
May 29, 1930—CAMPUS OF University of California, Berkeley. The Regents of University of California to Kenyon Electric Co.....May 28, 1930

11th St with SE 4th St, Oakland. Truscon Steel Co vs Boyerdawn Burial Casket Co, McLeran Co.....\$1389

May 28, 1930—JOAQUIN MILLER Road and Crane Way, Oakland. S M Studebaker vs J N Bostick, Peters & Booth.....\$329.31

May 28, 1930—PTN OF CTN 45-655 acre piece of land desc under A in Deed of Trust from A P Stotts to Geo D Metcalf and O D Jacoby trustees, dated March 9, 1916 and recorded in Vol 2441 of Deeds page 45, Oakland. General Mill & Lumber Co vs Mathilda and John Ulin.....\$145.95

May 27, 1930—PTN LOTS 8 and 9 Blk G Potters Addn, Valley View Tract, Oakland. Lamont J Davis vs J Baron.....\$71.79

May 27, 1930—230 BELLEVUE DR., San Leandro. Inland Floor Co vs R H Weeks, Weeks Const Co Ltd.....\$197.50

May 29, 1930—2531 TRUMAN AVE, Oakland. L M Rasmussen, \$135; J D Colbert \$318.55 vs W W Brown

May 29, 1930—SE 89th AVE AND Hillside St, Oakland. Melrose Bldg Materials Co, \$127.60; L M Rasmussen, \$186.65 vs W W Brown

June 2, 1930—LOT 61, Bellevue Gardens, San Leandro. A K Goodmundson vs W H Weeks dba Weeks Const Co.....\$312

June 2, 1930—230 BELLEVUE, San Leandro. Atlas Mill & Lumber Co vs R H Weeks.....\$32.50

June 2, 1930—LOT 16 BLK 2, map of Rancho Vincenti and Domingo, Berkeley. Atlas Mill & Lumber Co vs L Worth. E W Wilson.....\$105.50

May 29, 1930—\$309 GOLF LINKS Road, Oakland. L M Rasmussen, \$218; J D Colbert, \$348.75 vs W W Brown

May 29, 1930—E SIXTH ST 80 ft N of Taylor Ave, Alameda. Melrose Bldg Materials Co vs Homer H and Mildred E Stone and J A Fazio, trustees, and A Edwards.....\$1253.05

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
May 29, 1930—LOT 5 BLK G, Excelsior Heights, Oakland. Alex Sommarstrom to H Hofvendahl; Edward Sommarstrom; Hugo Sommarstrom; Sommarstrom Bros.....\$2145
May 29, 1930—LOT 5 BLK G, Excelsior Heights, Oakland. William E McGrath, \$329; W L Saxby Roofing Co, \$320 to Herbert Hofvendahl and Sommarstrom Bros.....
May 29, 1930—LOT 5 BLK G, Excelsior Heights, Oakland. Geo S Fitzcock & Son, \$120; B Simon Hardware Co, \$595.96 to H Hofvendahl and Sommarstrom Bros.....
May 29, 1930—LOT 5 BLK G, Excelsior Heights, Oakland. A.iss Knapp Co, \$262.75; J Goldstein, \$4016.25; Clinton Mill & Lumber Co, \$4264.04; William Rundberg, \$785; Marcus & Merrick, Ltd., \$186.01 to Harry E Hofvendahl.....

May 28, 1930—LOTS 28 & 29, Crocker Oaks, Oakland. Malott & Peterson to A Leslie Oliver.....\$1242
June 3, 1930—LOT 5 BLK G, Excelsior Heights, Oakland. Thomas F Higgins dba F and J Iron Works to Harry Hofvendahl.....\$503
June 3, 1930—418 EVELYN ST, Albany. A H Hasseler to Robert Payne.....\$227
June 2, 1930—NE 40 FT LOT 3 Blk 6, map of the State University Homestead Anns No 3, Berkeley. M Miller to J R Langtry, Robert C Thomas.....\$50

OAKLAND BUILDING TOTAL IN MAY IS \$852,761

Following is a segregated report of building permits issued in Oakland during the month of May, 1930, as compiled by A. S. Holmes, city building inspector:

Class. of Bldgs.	No. P'mts	Cost
1-story dwellings	24	\$1,1750
1-story 2-lam. dwelling	1	4,800
2-story dwellings	10	\$1,550
2-story dwell. & store	1	6,000
2-story apartments	1	15,000
3-story apartments	2	79,500
1-story warehouse	1	1,500
1-story tile garage	1	870
1-story tile shed	1	800
1-story tile wash rack	1	1,400
1-story conc. garages	3	2,850
1-story conc. dwelling	1	2,200
1-story concrete shop	1	495
1-story conc. trans. shed	1	97,697
3-story conc. addition	1	14,000
3-story conc. factory	1	20,000
1-story brick whse.	1	33,000
1-story brick office	1	700
2-story brick creamery	1	25,000
Brick addition	1	5,340
1-story brick and tile service station	1	5,000
Brick and tile addition	1	3,200
Six-story brick and steel hotel	1	240,900
Istory steel ser. sta.	5	7,775
Steel canopy	3	1,500
Billboards	25	3,775
Electric signs	36	7,640
Roof signs	3	950
1-story gars. & sheds	45	8,868
Additions	60	33,144
Alters. and repairs	97	65,457
Total	332	\$852,761

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
NEAR WOODSIDE. All work for frame and shake residence. Owner—Leon J. Sloss Jr., 2700 Broadway, San Francisco. Architect—William Wilson Wurster, 260 California St., San Francisco Contractor—Moore & Madsen, 557 Market St., San Francisco. Filed May 28, '30. Dated May 26, '30.
Frame up.....1
Brown coated.....1
Completed.....1
Usual 35 days.....1
TOTAL COST, \$17,014.73
Bond, none. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
May 29, 1930—669 ALMA AVE, Oakland. H E Lansing vs J S Berovich, R A Boyston.....\$708.28
May 29, 1930—LOT 3 BLK H, Grammont. H K Schultz vs Rose W and K Harry Croninger.....\$2721.40
May 28, 1930—INTER SW LINE E

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

BUILDING PERMITS

SAN JOSE

RESIDENCE, frame, 6-room, \$5440; Shasta St. near Park, San Jose; owner, H. Wellington, 116 N-11th St., San Jose; contractor, Collins & Martin, 1392 Whittow Ave., San Jose.

STATION, super service, concrete and steel, \$5000; First and Julian Sts., San Jose; owner, Union Oil Co., 1071 Mills Bldg., San Francisco; architect, Company Engineers.

ALTER Class C business building, \$3000; No. 224 E-Santa Clara St., San Jose; owner, De Luxe Cleaners, 224 E-Santa Clara St., San Jose; contractor, Anton Jensen, 300 Santa Cruz Ave., Los Gatos.

SHED, storage, steel and concrete blocks, \$2500; Market and Viola Sts., San Jose; owner, Pichetti Bros., 402 S-First St., San Jose; architect-Binder & Curtis, 35 W. San Carlos Sts., San Jose; contractor, Thermotite Constr. Co., 580 Stockton Ave., San Jose.

RESIDENCE, frame, two-story 8-room, \$11,000; 12th St. near Reed St., San Jose; owner, T. J. Callahan, 75 N-Thirteenth St., San Jose; architect, Wolfe & Higgins, 19 W. Second St., San Jose; contractor, C. F. Keesling, 798 Coe Ave., San Jose.

BUSINESS building, 2-story type 1, \$72,690; No. 56 W-San Fernando St., San Jose; owner, San Jose Hardware Co., 130 S-Market St., San Jose; architect, Binder & Curtis, San Jose; contractor, W. J. Ochs, 501-502 American Trust Bldg., San Jose.

RESIDENCE, frame, 2-story 10-room, \$13,000; Margaret and Fifteenth Sts., San Jose; owner, Dr. G. L. Barry, Medico-Dental Bldg., San Jose; architect, Warren Skillings American Trust Bldg., San Jose. contractor, G. M. Latta, 157 Rhodes Court, San Jose.

RESIDENCE, frame, 4-room, \$1200; N 21st St. near St. James, San Jose; owner, Jas. Bishop, 125 N-Seventh St., San Jose.

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE & GARAGE EAST SIDE 13th St. near Reed St., being all Lot 11 and Nly 11-19 ft. of Lot 10 of the L. E. Appleton Sub. to Naglee Park; all work on two-story frame residence and garage.

Owner-T. J. Callahan, 75 N 13th St., San Jose.
Architect-Wolfe & Higgins, Realty Bldg., San Jose.
Contractor-C. F. Kessling, 798 Coe St., San Jose.

Filed May 28, '30. Dated May 26, '30.
Progress payments of.....75%
Usual 35 days.....25%

TOTAL COST, \$10,945

Bond, \$5472.50. Sureties, Joe S. Kessling and H. G. Kessling. Plans and Spec. filed.

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 5-room, bath and garage, \$4000; No. 469 Iris St., Redwood City; owner, S. J. Olafson, 2685 Diamond St., S. F.

DWELLING, frame, 4-room, bath and garage, \$3000; No. 21 Davis St., Redwood City; owner, A. A. Wesendunk Jr., 1625 San Jose Ave., San Francisco.

DWELLING, frame, 4-room, bath and garage, \$3000; No. 926 Iris St., Redwood City; owner and contractor, Earl Baird, 193 Oliver St., Redwood City.

DWELLING, 5-room, bath and garage, \$3000; No. 1001 Iris St., Redwood City; owner and contractor, Frederick F. Balliett.

DWELLING, frame, 5-room, bath and garage, \$4000; No. 804 Brewster Ave., Redwood City; owner and contractor, S. Morris, Hill-path, Corte Madera.

DWELLING, frame, \$4500; No. 342 King St., Redwood City; owner and contractor, E. Standquist, 229 Iris St., Redwood City.

ADD one room to dwelling, \$1000; No. 524 Quartz Ave., Redwood City; owner and contractor, Martin Persson, Premises.

DWELLING, frame, 5-room, bath and garage, \$4000; No. 1211 Jefferson Ave., Redwood City; owner, Louis Foss; contractor, S. B. Goss.

ADDITIONS and alterations to dwelling, \$1500; No. 111 Wellesley Crescent, Redwood City; owner, Mabel T. Cluness, Premises; contractor, Wm. Short, 2121 Waverly St., Palo Alto.

DWELLING, frame, 2-story 6-room bath and garage, \$1100; No. 935 Durlston Road, Redwood City; owner, L. R. Rowan; contractor, Harry H. Dabniet, 2350 S-Court St., Palo Alto.

DWELLING, frame, \$3600; No. 343 Grand St., Redwood City; owner and contractor, Thomas Nelson, 51 Perry St., Redwood City.

DWELLING, frame, \$8500; No. 921 owner, H. M. McQuilkin, 1192 Arlington Road, Redwood City; Cleveland St., Redwood City; contractor, Martin Peterson, 128 Linton St., Burlingame.

BUILDING PERMITS

PALO ALTO

ADD hillard room, \$5000; No 1247 Cowper St., Palo Alto; owner, Charles G. Norris; architect, Bluge M. Clark, 310 University Ave., Palo Alto; contractor, W. P. Goodenough, 310 University Ave., Palo Alto.

RESIDENCE, frame and stucco, \$6900 No. 2326 Ramona St., Palo Alto; owner, J. G. Causey, 2390 South Court, Palo Alto.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

May 24, 1930-PART LOT 5, Johnson Sub., San Mateo. John B. Domond et al to whom it may concern.....May 5, 1930

May 24, 1930-PART LOT 7 BLK 8, Oak Knoll Manor, San Mateo Geo W Knapp to whom it may concern.....May 24, 1930

May 24, 1930-ON STATION D 275-63.01, San Mateo. State of California to E Anderson & Son.....May 22, 1930

May 24, 1930-LOT 39 PART LOT 40 Blk 10, Oakleigh Park, San Mateo. R S Marshall to whom it may concern.....May 24, 1930

May 24, 1930-PART LOT 12, San Mateo Park, San Mateo. W E Whitaker to Frank Ferred.....May 12, 1930

May 24, 1930-PART LOT 16, Hillsborough Acres Lengfeld & Olund to whom it may concern.....May 22, 1930

May 24, 1930-PART LOTS 16 AND 17, Hillsborough Acres. Lengfeld & Olund to whom it may concern.....May 22, 1930

May 24, 1930-LOT 31, Brewer Property, San Mateo. August L Lang Jr to whom it may concern.....May 20, 1930

May 26, 1930-LOT 16 BLK 3-A, Aragon. Meyer Bros to whom it may concern.....May 21, 1930

May 26, 1930-PART LOT 11 BLK 22, White Oaks. Sam Palladino to whom it may concern.....May 26, 1930

May 27, 1930-LOT 41 BLK 22, San Bruno. Mary Lucille Crist to E Petersen.....May 1, 1930

May 27, 1930-LOT 21, Studio Tract, San Mateo. Martin Peterson to whom it may concern.....April 24, 1930

May 27, 1930-LOT 20 PART LOT 21 Sub A. Wellesley Park. S T MacCubbin to William Kapplee et al.....May 24, 1930

May 27, 1930-PART LOTS 6 AND 7 Blk 4, Sweeney Tract, Redwood City. Arthur N Blomquist et al to whom it may concern.....May 1, 1930

May 28, 1930-LOTS 2, 3 & 4 BLK 8, Abby Homestead, San Mateo. H H Smith et al to whom it may concern.....May 22, 1930

May 28, 1930-LOT 16 BLK 13, Burlingame. Christian Sorensen to whom it may concern.....May 25, 1930

May 28, 1930-PART LOT 155, West End Homestead, San Mateo Harold B Barber to whom it may concern.....May 23, 1930

May 28, 1930-PART LOT 155, West End Homestead, San Mateo. Harold B Barber to whom it may concern.....May 27, 1930

May 28, 1930-LOT 20 BLK 6, Burlingame Grove. Harold D Brown to Thomas N Gesso.....May 15, 1930

May 28, 1930-LOT 18 BLK 11, Lyon & Hoag Sub., San Carlos. John E McCarthy to whom it may concern.....May 20, 1930

May 28, 1930-LOTS 1 AND 2 BLK 7, Burlingame. J H Hanson to whom it may concern.....May 27, 1930

May 29, 1930-LOTS 40 AND 41 BLK 22, San Bruno. Franklin Reed Crist et al to E Petersen.....May 26, 1930

May 31, 1930-PART LOTS 19 AND 22, Lomita Park. Dominick Murratt to Prosper Borr.....May 23, 1930

May 31, 1930-LOT 4 Sub of Lot 323, San Mateo City Homestead. Frank J O Borne et al to A G Martin.....May 14, 1930

May 31, 1930-LOT 13 BLK 6, Woodacre Knolls, San Mateo. James P McGlone to whom it may concern.....April 14, 1930

May 31, 1930-LOT 2 RESUB OF LOT 257, San Mateo Park. John E Looman to whom it may concern.....May 28, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
May 24, 1930-LOT 13 Lexington Park, San Mateo, Frank J Storey vs Edward L Kilbourn et al.....\$1000.75

May 27, 1930-PART LOT 2 BLK 8, Burlingame Land. L Miller et al vs A Ruifs.....\$1341

May 27, 1930-LOT 9 BLK 33, Menlo Park. Edwin J Cuneo, \$313 35; John P Cuneo, \$313 35 vs William De Martini et al.....

May 27, 1930-LOT 1 BLK 22, Belmont. San Carlos Feed & Fuel Co vs Davenport Realty Co et al.....\$23 88

May 27, 1930-PART LOTS 3 AND

4 Blk 9, Burlingame Land Co.
Pope Talbot Lumber Co vs J K
Moore\$5680
May 28, 1930—PART LOT 2 BLK 8,
Burlingame Land Co. W A Ham-
mond alias, \$235; Robert A Cher-
rie, \$755.25; John Johnson, \$2000;
H E Casey et al, \$143.21; San
Mateo Feed & Fuel Co, \$890.71;
MacCabe Electric Co \$1312 vs A
Rulfs et al
May 28, 1930—LOT 1 BLK 22, Bel-
mont. Lannom Bros Mfg Co vs
Davenport Realty Co.\$300
May 28, 1930—LOT 1 BLK 33, Bel-
mont. Lannom Bros Mfg Co vs
Davenport Realty Co.\$333.45
May 28, 1930—PART LOTS 3 AND
4 Blk 9, Burlingame Land Co. San
Mateo Feed & Fuel Co vs James
K Moore et al\$2155.31
May 29, 1930—LOT 3 BLK 4, Burling-
ame Land Co. Golden State
Flooring Co, \$3186.29; San Mateo
Planing & Mill Co, \$576.22; Chi-
cago Lumber Co, \$5460.55; Henry
Cowell Lime & Cement Co, \$2035.29
vs James K Moore et al
May 29, 1930—SOUTH SUEATH RD
near San Bruno. R W Shannon
alias vs E J Delaney et al, \$1215.37
May 29, 1930—LOT 9 BLK 13, Bay
View Heights. Soule Steel Co vs
C F Magne et al\$173.40
May 29, 1930—PART LOT 4, Hills-
borough Heights. Daniel Hayes vs
Edwin C Porter et al\$6255.60
May 29, 1930—PART LOT 2 BLK 8,
Burlingame Land Co. Wisnom
Lumber Co vs Anton Rulfs.\$127.57
May 29, 1930—PART LOT 2 BLK 8
Burlingame Land Co. Dannen-
baum Paint Co alias \$346.71; D
Seghier & Co, \$969.49; Elmar
Johnson, \$1200; J Jacobsen alias,
\$395; Martin Nelson, \$240; Otto
Anderson, \$3438.50; Malott &
Peterson, \$1014.40; Polson St. Iron
Works, \$481 vs A Rulfs et al
May 31, 1930—LOTS 3 AND 4 BLK 9,
Burlingame Land Co. Albert
Cook vs James K Moore.\$2054
May 31, 1930—LOTS 3 AND 9 BLK
3, Central Park. Sunset Lumber
Co, \$415.66; Tilden Lumber Co,
\$48.75 vs Carrie I Driver.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
May 21, 1930—LOT 29 BLK 1, Conk-
ling & Col. Frank Colmone et al
to whom it may concern May 21, 1930
May 21, 1930—LOT 13 BLK 142,
Embarcadero Oaks. Ruth Grove
Schmaling to whom it may con-
cern May 19, 1930
May 22, 1930—LOT 7 BLK 6, North
Glen Residence Park, San Jose.
L P Hughes to whom it may con-
cern May 19, 1930
May 23, 1930—LOT 7 BLK 63. Re-
subd of Siale Addition No. 2,
Palo Alto. W J Causey to whom
it may concern May 21, 1930
May 24, 1930—S COR. COWPER
St. and Santa Rita Ave., Palo
Alto. Tr. R O Le Baron to whom
it may concern May 22, 1930
May 24, 1930—N 100 FT. LOT 12
Blk 6, Albia Park Addition, Palo
Alto. Frederick F Balliet to whom
it may concern May 20, 1930
May 24, 1930—ON ½ AC ON N Mc-
Kee Road, Part Pala Rancho.
Donald P Edwards to whom it
concern May 21, 1930
May 24, 1930—LOTS 1 TO 4 BLK 5
Loyola Townsite. Edward F
Carney et al to whom it may
concern May 23, 1930
May 26, 1930—SE 80 FT. LOT 33,
Colonial Manor, San Jose. Wm

H O'Neill to whom it may con-
cern May 21, 1930
May 26, 1930—LOT 13 BLK 2,
Claremont Subd, San Jose. Miram
Haskin et al to whom it may
concern May 24, 1930
May 26, 1930—LOTS 1 AND 2, W. E.
Woodchams Subd., San Jose.
Henry Ribbs to whom it may
concern May 26, 1930
May 27, 1930—LOT 2 and NW 30x
200 ft. Lot 1 Blk 7, Chapman &
Davis Tract, San Jose. Chas O
Dean to whom it may concern May 24, 1930
May 27, 1930—LOT 22 BLK 6, North
Glen Residence Tract, San Jose.
Augustine R Calvelli to whom it
may concern May 24, 1930
May 28, 1930—SW SENECA ST 100
SE Forest Ave SE 50xSW 10 ft.
Part Lot 4 Blk 72, Palo Alto.
John and Hilma Liliikonen to
whom it may concern May 24, 1930
May 28, 1930—PART LOT 2 BLK 3
North Addition, San Jose. E A
Tyler et al to whom it may con-
cern May 27, 1930
May 28, 1930—LOT 5 BLK 1, Seale
Addition No. 7, Palo Alto. H W
Stebbin to whom it may concern May 27, 1930
May 28, 1930—LOTS 13, 15 AND 17
Sanseaville Villa, San Jose. Dora
Ziegler to whom it may con-
cern May 20, 1930
May 29, 1930—NW HOMER AVE &
NW Guinda St. SW 100xNW 50
Pt Lot 3 Blk 65, Palo Alto. P W
and Bada V Wilson to whom it
may concern May 28, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
May 22, 1930—S FORREST AVE
100 W Waverly St. W 150 S 190
E 100 S 30 E 50 N 220 to beg Pt
Lots 3 and Blk 23, Palo Alto.
Gladding, McBean & Co vs Wm
Staller\$1570
May 23, 1930—SE FOREST AVE 100
SW Waverly St. SW 150 SE 190
NE 100 SE 30 NE 50 NW 220 to
beg Pt Blk 23, Palo Alto. Merner
Lumber Co, \$8874.66; Paul M P
Merner, \$491.50; Progress Lumber
Co, \$440.14 vs William and Clara
H Staller
May 23, 1930 — 2 ACRES bet. San
Jose-Milpitas Road and Central
Pacific R R, San Jose. Alfred
Boven vs Marie Louie et al, \$49.50
May 24, 1930—LOTS A & 1 TO 16,
Larnebrew Subd, San Jose. G R
Lewis vs Estate of E Ramel
et al\$132.65

BUILDING CONTRACTS

MONTEREY COUNTY

RESIDENCE
CITY OF MONTEREY. All work for
two-story residence.
Owner—Colonel Roger S. Fitch, Mon-
terey.
Architect—Reginald D. Johnson, 107
Architects Bldg., Los Angeles.
Contractor—M. J. Murphy, Inc. Monte
Verde and Ninth Sts., Carmel.
Filed May 29, '30. Dated May 28, '30.
As work progresses..... 90%
Usual 35 days..... 10%
TOTAL COST, \$19,436
Bond, limit, forfeit, none. Plans and
specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
May 24, 1930—S 10 FT. LOT 14, all
Lot 16 Blk W, Map of City of

Carmel. Charles H and Ottile J
Lowell to M J Murphy, Inc. April 15, 1930
May 24, 1930—LOT 50x120 BEING
120 ft. N from Romie Lane on
E Pajaro St, outside city limits,
Salinas. Edward F Vosti to John
De Britto May 24, 1930
May 24, 1930—BEING PART LOTS
2 and 4 Blk 149, Fourth Addi-
tion to Pacific Grove. J J Harris
to whom it may concern May 19, 1930
May 26, 1930—NW ALISAL AND
Lorimer Sts., Salinas. Ralph C
Muller to Huson & Reese May 26, 1930
May 28, 1930—LOT 14 BLK 17, Map
of City of Monterey. M J Murphy
Inc to whom it may concern May 24, 1930
May 29, 1930—LOTS 1, J BLK 12½
Stone's Homestead Addn, Salinas.
S W and Helen Benodomaud to
whom it may concern May 29, 1930
May 31, 1930—SALINAS CITY. City
of Salinas to E M Funk May 27, 1930
May 31, 1930—HOMESTEAD Addn,
Salinas City. A J Yates to whom
it may concern May 31, 1930
May 31, 1930—LOT 4 of Parcel 5
Romie Land Subdiv, Romie Lane
and Katherine Ave. Chas A Holm
to whom it may concern May 31, 1930

LIENS FILED

MONTEREY COUNTY

Recorded Amount
May 24, 1930—BEING PTN LOT 8
Blk 32, Block Book of City of
Monterey. T A Work Jr and
Stuart A Work, \$1322.11; J C
Warrington, \$331.96 vs Orazio and
Katherine Crivello also known as
Caterina Crivella and Albert Gatti
May 27, 1930—BEING PTN LOT 8
Blk 32, Block Book of City of
Monterey. Arthur Marotta, \$735;
George D and Victor H Patrick,
\$760 vs Orazio and Katherine Cri-
vello (also written Caterina Cri-
vella) and Albert Gatti
May 27, 1930—LOTS 1 TO 57 Map
of Grey Eagle Terrace, a resub-
division of Lots 2 and 3 Rancho
Noche Buena, Monterey County.
comprising Lots 1 and 2 Blk 2;
Lots 1 to 12, inclusive Blk 3. W
Cowan vs William A McCrary and
Charles A Culp\$240.75
May 27, 1930—N ½ LOTS 12 AND 13
Blk 15, Map of Monterey Heights,
Monterey. John E Eckett vs Lewis
J and Frank C Wells and Wade
Halstead\$327
May 28, 1930—LOT 3 BLK 32, Block
Book of City of Monterey. Tynan
Lumber Co vs Orazio and Kath-
erine Crivello also written Cath-
erine Crivello\$223

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
May 26, 1930—LOTS 2 AND 4 BLK
109, Third Addition to Pacific
Grove. George D and Victor H
Patrick (Patrick, the Plumber)
\$149; Union Supply Co, \$537.17 to
Harry and Camilla Leach
May 26, 1930—LOTS 3, 4, 5, 6 AND
7 Blk 113, Map of Partition, Mon-
terey. Chas M Bailey Co to The
Monterey Hospital Ltd also known
as Mission Hospital Co.\$1050.81
May 26, 1930—LOTS 3, 4, 5, 6 AND
7 Blk 113, Map of Partition, Mon-
terey. W Degas (as Degan Co) to
Mission Hospital Co and Mon-
terey Hospital, Ltd, and H L
Mack\$950

May 26, 1930—LOTS 3, 4, 5, 6 AND 7 Blk 113, Map of Partition, Monterey. Plant Rubber & Asbestos Works to Monterey Hospital, Ltd. also known as Mission Hospital Co. and Nottingham Heating & Ventilating Co. \$859

May 26, 1930—LOTS 3, 4, 5, 6 AND 7 Blk 113, Map of Partition, Monterey. C U Martin to I H Larsen, R V Larsen, H H Larsen Co, Geo M Frisbie and Mintie Frisbie; Nottingham Heating & Ventilating Co; Monterey Hospital, Ltd, Mission Hospital \$347.75

May 28, 1930—LOTS 3, 4, 5, 6 AND 7 Blk 113, Map of Partition, Monterey. Crane Co to I H Larsen and R V Larsen; H H Larsen Co; George M and Mintie Frisbie; Nottingham Heating & Ventilating Co; Monterey Hospital Co; family Mission Hospital Co. \$169.99

May 28, 1930—LOTS 3, 4, 5, 6 AND 7 Blk 113, Map of Partition, Monterey. Boiler, Tank & Pipe Co to Mission Hospital Ltd, Inc. and H H Larsen Co. \$144

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
May 27, 1930—NE ¼ of SW ¼ and N ½ of SE ¼ of Section 1, T 2, S R 9 E, containing 120 acres, Austin E Mahoney vs Martha A Linderman \$17.85

May 28, 1930—BLK 2, West Lodi Addition. First Church of Christ Scientists to whom it may concern. May 26, 1930

May 28, 1930—PARCEL LAND BLK 2, West Lodi. First Church of Christ Scientist to whom it may concern. May 20, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
May 28, 1930—SECTION 34, T 4 N R 6 E on Georgia Street, Stockton Gladding, McBean & Co vs Sam Sabastiane \$899.69

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
May 26, 1930—SAN ANSELMO. C V Gallagher to whom it may concern. May 26, 1930

BUILDING PERMITS

MARTINEZ

LAUNDRY, steel and brick steam, \$15,000; Estidillo and Escoban; owner, C. Arnaud; contractor, W. Snelgrove, 24th and Esmond Sts., Richmond.

BUILDING PERMITS

RICHMOND

ADDITION, bedroom and kitchen, \$1,000; W S Washington bet. Michell and Crest; owner, J. H. O'Hara, 324 Washington; contractor, G. J. Gordon, 3120 Barrett.

COTTAGE and garage, 5-room frame and plaster, \$3500; S S Esmond bet. 26th and 28th; owner, L. C. Ackerman, 216 Arlington; contractor, C. E. Nelson, 1084 57th St., Oakland.

COTTAGE and garage, 6-room frame and plaster, \$4500; E S McLaughlin bet. Roosevelt and Sierra; own-

er and builder, Herbert Green, 819 Ramona Ave., Albany.

COTTAGE and garage, 5-room frame and plaster, \$4000; E S 35th bet. Esmond and McBryde; owner and contractor, Joe Kern, 217 Monte Vista, Oakland.

COTTAGE and garage, 5-room frame and plaster, \$3500; E S 12th bet. Maine and Virginia; owner, Warren W. Green, 213 S 13th St., Richmond; contractor, Carl Overaa, 2105 Roosevelt, Richmond.

GARAGE, brick, with living quarters, \$4000; W S San Pablo Ave. bet. Fresno and Columbia; owner and builder, A. Borel, San Pablo Ave. and Fresno, Richmond.

LIENS FILED

CONTRA COSTA COUNTY

Recorded Amount
June 2, 1930—LOT 36 La Salle Hgts Unit No 1. Diamond Match Co vs L Rossi and Duilio Grillo. \$50.70

June 2, 1930—LOT 36 La Salle Hgts Unit No 1. Joseph Bros, \$135; E Morgan Hardware & Plumbing Co, \$53.81, vs J De Silva and Duilio Grillo

BUILDING PERMITS

SACRAMENTO

GENERAL repairs, \$1200; No. 2426 1 St., Sacramento; owner, F. Gaus-tello, Premises.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
May 22, 1930—ISLETON. Southern Pacific Co to whom it may concern. May 20, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
May 28, 1930—LOT 54, Beyerford Heights, Sacramento. Construction Materials Co vs Realty Development Corp., E P Smith, Jas Robert and Maude J Estes. \$119.62

May 28, 1930—LOTS 6 AND 7 W. & K. Sub 34, Sacramento. Sunset Lumber Co vs G H and Julia Bergh \$415.98

May 26, 1930—LOT 47, Harding Place, Sacramento. Capital Lumber Co vs Earl and Ella M Longx

LIENS FILED

FRESNO COUNTY

Recorded Amount
May 31, 1930—SE 100x150 FT. VILLA Lot 36, Fowler. Fowler Lumber Co, \$21; Maisler Bros Lumber Co, \$339 vs Chas A Cornell and Mehron Aghazadian

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$1000; No. 2243 Kirk St, Fresno; owner, Karl Wyendt, Premises.

ALTERATIONS and additions, \$7000; Hamilton Ave., bet. East and Pearl St., Fresno; owner, S. M. R. G. Premises; contractor, Shields, Fisher & Lake, Pacific Southwest Bldg., Fresno.

ALTERATIONS and additions, \$3,000; 1326 Fulton St.; owner, Dr. D. H. Trowbridge, premises; contractor, Chas. H. Franklin.

BUILDING CONTRACTS

FRESNO COUNTY

LOCKER BUILDING

E AND INVO STS., Fresno. All work for case in plant and locker building (except fireproofing of steel work).

Owner—Danish Creamery Association, Premises.

Architect—W. D. Coates Jr., Rowell Bldg., Fresno.

Contractor—Thos. M. Paulsen, 3666 Illinois St., Fresno.

Filed May 28, '30. Dated ———. Payments twice monthly. 75%
Usual 35 days. Balance

TOTAL COST, \$11,653

Bond, \$8775. Surety, Fidelity & Deposit Co. of Maryland. Limit, 40 working days. Forfeit, \$10 per day. Plans only filed.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
May 28, 1930—LOTS 17 AND 18 BLK 206, Fresno. A K Yazjian to W T Harris. May 23, 1930

May 29, 1930—LOTS 13 TO 16 BLK 333, Fresno. Thos Gibson to whom it may concern. May 27, 1930

MISCELLANEOUS CONSTRUCTION

Contract Awarded.
MOUSOLEUM Cost, \$165,000
LOS ANGELES, Cal. No. 6000 Santa Monica Blvd.

Class A reinforced concrete mausoleum (73x137 feet)

Owner—Hollywood Cemetery Assn.

Architect—Marston & Maybury, 25 S. Euclid Ave., Pasadena.

Contractor—Chester Williams, Hollywood Guarantee Bldg., L. A.

OROVILLE, Butte Co., Cal.—Until June 23, 2 P. M., bids will be received by C. F. Belding, county clerk, to furnish and deliver 35,000 tons of crushed rock, screenings and similar material for fiscal year 1930-1931. Specifications and further information obtainable from J. A. Bumgarner, county road engineer at Oroville.

Contract Awarded.
FIELD HOUSE Cont. price, \$64,120
SAN FRANCISCO. Portola Playground, Felton and Hamilton Sts. One-story playground field house (steel frame, wood and plaster construction).

Owner—City and County of San Francisco (Playground Commission).

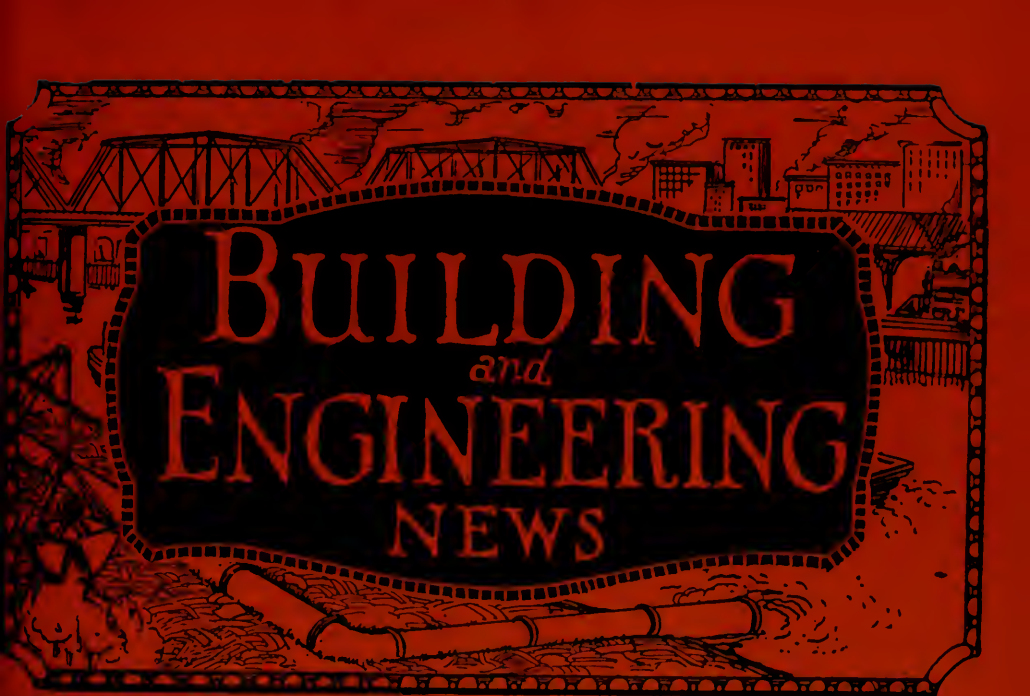
Architect—Gardner Dailey, Room 610, 425 Mason St.

Contractors—Jacks & Irvine, 74 New Montgomery St.

Mr. Jacob Lipsey, % Perrin's Luncheonette, Hammond, Indiana, wishes to purchase or make connections with concern engaged in the luncheonette or soda fountain business.

Mr. L. Gallman, Fisher Commission Co., New Orleans, La. is anxious to secure connection for sale of any product. Will operate on a strict commission basis.

Mr. Roy T. Bishop, President, Oregon Worsted Company, Portland, Ore., has warehouse or manufacturing space to rent, by responsible company with excellent facilities. Present company organized to act as factory representative, custodian, or the like, if occasion requires.



BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., JUNE 14, 1930

Thirtieth Year, No. 24
Published Every Saturday



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Building and Engineering News

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Issued Every Saturday

SAN FRANCISCO, CALIF., JUNE 14, 1930

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Subscription terms, payable in advance:
S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year.....6.00
Single Copies.....25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone GA 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

FIVE-DAY WEEK RULINGS AT SACRAMENTO

L. L. Patterson, secretary of the Sacramento Builders' Exchange, in his weekly bulletin, briefly outlines the details of the five-day week schedule recently adopted by that organization. Briefly the details are as follows:

Jurisdiction: Sacramento County and five miles into Yolo County.
Effective on: All buildings under construction, bridges, sheet metal shops, sidewalks, curbs and gutters, planing mills, and all other work except as follows:

Exceptions: Planing mills will be given the necessary men to make shipments and deliveries and will be given sufficient men to take care of lumber yard and custom work, highway and road work, dam and irrigation work, lumber yards, hardware and paint and glass stores, and such other mercantile establishments as come into direct contact with the buying public.

Jobbing: Plumbers, electricians, sheet metal shop, glass dealers and such other contractors as may later such other contractors as may later be designated and who do jobbing work shall work such men as may be required for protection of life and property on Saturday morning at straight time. No other work shall be done on Saturday or Sunday except that for which overtime is paid.

In Shops: Mechanics employed in shops Saturday morning for handling jobbing work may do other work necessary to keep themselves busy.

Pay Day: Shall be at or before quitting time on Friday.

Wages: There shall be no change in wages for two years from the date of the five-day week agreement, which is June 2, 1930.

FOLSOM DAM LEASE CONTRACT IS DISCLOSED

L. M. King, State Director of Finance, has made public the details of the final draft of the Folsom dam lease contract, which has been submitted to the American River Hydro-Electric Company of San Francisco, sponsors of the \$11,000,000 development on the American river near the prison.

In consideration for the fifty years' lease, King said, the State would receive: A cash payment of \$25,000; free power and water for irrigation and domestic uses at Folsom; flood control for North Sacramento at a nominal cost to the State; and salinity control of the lower Sacramento; fee simple title to the land in the dam reservoir; right of reapture for the State or any political subdivision at any time during the life of the lease, and absolute title to the entire project at the end of fifty years.

King said the State agrees in the contract to pay \$600,000 for building the flood control works in the dam. The dam would be 390 feet high and have a reservoir capacity of 355,000 acre feet, 175,000 of which would be reserved for flood control.

HOME BUILDERS FACE NEW TYPE OF COMPETITION

Home builders in the United States are faced with a new form of competition. Several of the larger departmental and mail order stores have entered into the construction field, and are undertaking to finance, erect and furnish homes in various parts of the country.

The proposition is not that of the old "ready cut house," but permits the choice of a local architect to prepare plans to suit the owners' tastes, the departmental and mail order stores then arranging mortgages and sending in materials and labor for actual construction.

Obviously, with the advantages in buying and in the labor market which they possess as important mercantile organizations, they constitute a serious threat to the individual builder.

According to opinions which have been expressed by leading authorities, his one hope of meeting the new competition is in establishing for himself a reputation for reliable work and in the adoption of modern methods.

The local material dealer and the local builder are better situated to meet the peculiar requirements of their immediate districts than the centralized house. By intelligent cooperation and use of the most improved equipment, they can also build homes at least as economically.—(Portland, Ore., Journal of Commerce).

STEEL WINDOWS WILL BE SUBJECT OF CODE REVISION

The simplified practice recommendation on solid steel windows is to be modified and submitted in its revised form to the industry for signed acceptance, according to a statement just issued by the division of simplified practice of the Bureau of Standards.

Full text of the statement follows:

The industry's standing committee on the simplification of solid section steel windows, at a recent meeting, unanimously decided to modify Simplified Practice Recommendation No. 72 and submit a revision of the simplified list of sizes to the industry for its signed acceptance, according to a statement recently made public by the division of simplified practice of the Bureau of Standards.

The most important changes incorporated in this revision are, the substitution of commodity products' nomenclature for that of dealer stock; the addition of several sizes in both the pivoted, and projected window groupings; adjustment of types in projected windows architectural; and the complete elimination of counter-balanced windows.

The revised simplified practice recommendation, subject to the approval of the industry, is to be effective July, 1930.

OBJECT TO INCREASE IN HEIGHTS LIMITS

A proposed change in the Chicago building code to increase the height limits of towers surmounting loop commercial and industrial buildings is meeting with opposition in the city, says the American Contractor. The proposed change has been turned over to the Corporation Counsel for drafting into amendment form, and will be presented to the City Council at once. Several architects and attorneys for building interests objected to the change on the ground that owners of buildings under the present limitations imposed by the building code would be placed at a disadvantage if the present tower heights are increased in favor of undeveloped properties.

It was said by others that such an amendment to the code would disturb the equalization of building values established under the present code. Others stated that there was no good economic reason for increasing tower heights. Buildings of sufficient height can be erected under the present regulations.

The proposed amendment contemplates two changes. One seeks to permit an increase in the tower heights from 25 per cent of the base of the building to 40 per cent. The other would permit an increase in the tower volume from one-sixth of the volume of the entire structure to one-fourth.

Harry T. Frost, architect, is reported to have stated that there is no need for the change, and that it would increase fire hazards unnecessarily.

ARIZONA LUMBERMEN ELECT

At the 13th annual meeting of the Lumbermen's Club of Arizona at Douglas, Joseph H. Tardy of Phoenix was elected president for the ensuing year. E. W. Edens of Cottonwood was chosen vice-president, and E. H. Wheat of Phoenix was re-elected secretary-manager. Directors elected are: Frank Tutt, Jerome; J. A. Mulcahy, Tucson; Irving Jennings, Douglas; Lincoln DeMund, Yuma; and J. C. Light, Miami. About 100 lumbermen, including many from California, were in attendance.

NOMINATE DIRECTORS

Candidates for the board of directors of the Richmond Builders' Exchange have been nominated and June 26 set for the election. The following candidates will be listed on the ballot: J. L. Eakle, F. A. Mero, James Walker, E. H. Higgins, P. M. Sanford, Carl Overaa, A. P. Nelson, R. J. Meyer, George Edwards, C. V. Mero, C. Pedersen, Henry Caplan, E. A. Marshall, Pryce Roberts, N. F. Plant, A. J. Hurley, Fred C. Hoakling, W. A. Hisslop, B. J. Ballantyne, J. E. George, George Tandy, N. P. Bush, C. E. Marshall, E. B. Stoddard.

TRADE ASSOCIATIONS AND THE U. S. DEPARTMENT OF JUSTICE

(By John Lord O'Brian)

Address delivered at the luncheon of the American Trade Association Executives, Mayflower Hotel, Washington, D. C., May 1, 1930.

Mr. O'Brian is assistant to the Attorney General of the United States in charge of Anti-Trust Prosecutions.

Trade Associations would like to obtain a better understanding of the attitude of the Department of Justice toward their activities. Every clear-headed lawyer understands the changing conditions which must constantly accompany progress in the world of business. Every experienced lawyer knows how much Trade Associations have contributed and are contributing to the development of a sound public opinion in the special fields of industry. No one understands this better than the law officers of the Department of Justice, and I can assure you that that department is not in the slightest degree hostile to the proper activities and healthy growth of Trade Associations.

The best service I can render you is to make clear the attitude of the Department of Justice and the legal limitations which encompass its activities and affect the exercise of its powers. There is nothing to be gained by indulging in vague generalities on an occasion like this.

The Attorney General of the United States is not and cannot be an arbiter in the field of economic interests. His powers and his duties relate solely to the enforcement of law. It is not within his power to change the legal standards of business conduct as defined by Congress and the Courts, and if you stop to reflect upon this you will not wish him either to have or to attempt to exercise any such power. The conduct of business should be guided by standards of law and not by the discretion or caprice of any official. All of us know only too well that difficulty and often danger arises when officials of Government undertake to regulate by their individual standards of discretion the intricate problems of the business world.

In dealing with the subject of monopoly and combination the powers of the Attorney General are clearly defined. He alone is vested with power to enforce the Sherman Act. It is his duty to act when practices unduly restrain or interfere with the free flow of interstate commerce. His powers in respect to the trust laws are limited to this special field of business activity. He has neither the express nor the implied power to interfere with or attempt to guide the internal affairs of business organizations or trade associations, nor has he any desire to do this.

The Department of Justice is, therefore, interested only in the acts and conduct of individuals and corporations. It deals with groups of individuals only in those cases where the individuals are alleged to have combined for some illegal purpose. It is not within the power of the Attorney General affirmatively to approve trade rules or practices. A practical reason for not attempting this is that neither he nor any other law officer can accurately forecast what individuals may undertake to do in a particular industry pursuant to trade rules. In short, the Department of Justice is not concerned with "Codes of Ethics" or Codes of "Trade Rules" or "Trade Plans" unless illegal practices result

from their operations or unless (as in rare cases) the rules on their face obviously contemplate action which if taken would be unlawful.

The Federal Trade Commission is in a somewhat different case. While it has no jurisdiction to enforce the Sherman Anti-Trust Act it has jurisdiction to investigate unlawful practices and to enforce provisions of the Clayton Act. In the exercise of its jurisdiction to deal with unfair practices the Commission has not confined its activities to investigations and prosecutions but in the desire to aid business has developed the practice of holding conferences. Out of this has come the Federal Trade Practice Conference which, started as an experiment, has now become recognized as a valuable institution. The Department of Justice has no hostility to the Federal Trade Practice Conferences. On the contrary, it approves these conferences and believes that within their legitimate field they afford valuable opportunity for education and for constructive progress in industry. It also recognizes that these conferences belong to the province of the Federal Trade Commission with whose activities the department has not interfered and with whose aims it is in harmony.

Trade Associations are, as you know better than others, the result of similar natural evolution and business necessity. The courts have long since recognized their legitimate functions and have fully appreciated their powerful influences in American trade and industry. As I have already stated, the law officers of the Department of Justice are well aware of these facts and they have no interest and no point of view adverse to the proper activities of trade associations. In fact they have no concern with the affairs of those associations except as individual members through the use of these associations or their rules may adopt practices which lead to violation of the anti-trust laws.

Perhaps it is only reasonable to expect that certain excesses of zeal are bound to occur in the experimentation with business practices which are a feature of the evolution of the trade association. Candor, however, compels the statement that here and there such illegal practices do come to light. Fortunately they are not characteristic of the work of the great body of trade associations. Some of these practices are unlawful because discriminatory or because they aim at monopolization of channels of distribution, or for other reasons. But the complaint most often made is that of price fixing and in certain quarters convincing evidence of this practice has been found by the Department of Justice.

For many, many years the fixing of arbitrary prices by the agreement of competitors has been viewed as contrary to sane public policy. The courts have long since declared it to be illegal. There is nothing vague, intangible or difficult to understand about this practice. Everyone knows that it is illegal. No one can be engaged in this practice without knowing it, and no one needs a lawyer to tell him whether he is in fact fixing prices by means of understandings or agreements with competitors.

On this as on similar questions, the Trade Commission and the Department of Justice are, so far as I know, entirely in harmony. Neither one has ever sanctioned or intended to sanc-

tion this practice. There have, nevertheless, been recent instances when this practice of price fixing has been attempted by the misuse of so-called Codes of Ethics or Trade Rules. Fortunately the number engaged in these practices is relatively inconsiderable and their conduct has not been imitated or approved by trade associations generally. In this one respect, any rate, when individuals violate the law they must not expect to justify excuse their illegal conduct by the adoption of formal resolutions or trade rule. Where these illegal practices exist the Attorney General intends to check them by appropriate legal action. That is his duty. Fairness to the other trade associations, and justice to other business interests as well as to the public generally require the duty be firmly and impartially performed.

But in all this there is not cause for anxiety or uncertainty in the business world. There are no revolutionary policies impending. The number who take chances are relatively few, and those who take chances should not complain of the consequences. You will agree that no legal proceeding aimed at price-fixing should give the slightest concern to the business world in general and you need have no fear that any conflict of interest exists between the Trade Commission and the Department of Justice. There is no divergence in their aims. The Federal Trade Commission as well as the Attorney General and his staff desire the same administration of law as well as stability in business conditions. Sure you have the same desire.

I have endeavored to make clear to you the attitude of the Attorney General and at the same time to point out the very distinct limitations which encompass his official activities. With this frank statement to you, we feel that we have a right to expect active cooperation from you. We ask of your numerous associations use the powerful influence to eliminate the business practices which result in price-fixing by agreement and other practices which lead to illegality. The Anti-Trust laws are primarily aimed to protect the economic opportunity of the individual and to promote steadily rising standards of fairness to justice. All of us believe this and surely both as lawyers and as business men we ought to work together to realize this purpose.

STIMULATING TRADE

In Chicago, to stimulate trade, electrical inspectors have been asked to search for and condemn installations in old buildings which do not conform with the city ordinance. The result has been a deluge of overhauling work for electricians. Now the Chicago Master Plumbers' Association has appointed a committee to tap with the city authorities the matter of having the city plumbing inspectors do similar work regarding defective plumbing in buildings and homes. Why not let Master Plumbers' Associations throughout the country get busy along similar lines? By working for and securing such an inspection they would not only be helping to safeguard the health of the community but would be developing a healthy lot of work, much of which would be on non-competitive basis. — (Weston Plumbing and Heating Journal).

THE OBSERVER

What He Hears and Sees on His Rounds

The corps of industrial and distribution census enumerators are rapidly completing their campaign to ascertain as accurately as possible what San Francisco and northern California manufacturers and distributors are doing, and to gather in all facts relative to manufacturing plants of all descriptions and just how the products of the plants are disposed of, according to John W. Curry, Chief Census Supervisor for northern California.

"Our enumerators have been making rapid progress as is possible in recording all essential information pertaining to products made and distributed in northern California. Once recorded, this information will be of value both to manufacturers and distributors and we therefore appeal for every possible assistance which those to be enumerated can give."

Schedules to be filled in by manufacturers, distributors, contractors, and hotels were mailed direct from the Census Bureau in Washington several months ago. Recipients of these schedules who have not yet mailed their schedules or who have not been called upon by enumerators are urged to send them as soon as possible to the San Francisco office, fourth floor, Civic Auditorium building, to be checked.

"Those firms who have so far failed to mail in their returns will be called upon in the next few days by enumerators. The enumerator will ask questions direct and under the law must have a direct answer. In some cases, firms have refused to make reports. There is no need for any firm to refuse to answer the questions. Answers are held confidential by the Census officials. There is no possibility for the income tax collector, the municipal or state tax collector, friends or competitors ever seeing any of this information. Census employees are sworn under penalty of severe punishment not to disclose information."

"When complete, the data accumulated by the various forms of distribution and manufacturers census will be arranged in groups totals in such a manner that no one may ascertain any definite information about any particular firm."

"I believe that when manufacturers, distributors, including retailers, wholesalers, contractors and others realize that the entire census is confidential, they will give us their hearty cooperation without withholding this information so essential to your business and industrial welfare," concluded Curry.

Protecting the safety of securities, that thought which ever since the stock market debacle has been uppermost in the minds of all investing folk from the purchaser of a one hundred dollar unit to the company which handles investment funds on a gigantic scale, will be discussed as applied to real estate securities before the members of the Mortgage and Finance Division of the National Association of Real Estate Boards at the Association's 23rd annual convention to be held in Toronto, Canada, July 9, 10, and 11. "How to Safeguard Real Estate Securities Through Proper Planning and Efficient Management," is the subject on which Walter S. Schmidt, Cincinnati, will address the mortgage brokers. Mr. Schmidt, who is a member of the National Association's board of directors, will tell what

the realtor specializing in the mortgage and finance field must do to operate his business with assurance of safety and protection under present day conditions.

Mortgage conditions throughout the country and the real estate loan methods which must be applied for successful business during the coming year will be microscopically scrutinized and explained by R. Graeme Smith, of the Connecticut General Life Insurance Company, Hartford, Connecticut, who will address the Division on "Problems of the Mortgage Banker in 1930 and Suggested Solutions." Mr. Smith outlines for his discussion the following four operating problems which the mortgage broker will find important during 1930: adjusting activities to the present volume of business; meeting obligations to lenders; foreclosure procedure, and managing and disposing of foreclosed property.

Determining the costs of a new project and the best procedure in handling these costs will be discussed by Victor Goggin, New York City, of Goggin and Ripley. Mr. Goggin will give practical hints for saving money in financing undertakings without injuring the quality of the project involved.

Sydney Middleton, Chicago, will tell what to do and what not to do in managing a mortgage business in his talk on "Policy Dangers in the Operation of a Mortgage Loan Bond Business." Mr. Middleton is vice-chairman of the executive committee of the Mortgage and Finance Division. He will draw on more than twenty years actual experience in the mortgage business in presenting practical suggestions to Division members.

Since 1925, a period of only four years, building and loan assets of this State have nearly tripled, increasing from \$100,000,000 to \$329,000,000, while the number of associations, including branches, has increased two-thirds, from 176 in 1926 to 295 in 1930, according to a report of Charles A. Whitmore, State Building and Loan Commissioner of the California Building-Loan League.

Keeping in step with economic business evolution, more recently emphasized by the need for curtailment of expense through volume operation there has been a veritable flood of mergers and grouping of associations in building companies. The movement began about 1927, when four mergers were consummated. In the fiscal year ending June 30, 1928, fifteen mergers were accomplished affecting \$15,600,000, of assets. The following year there were ten mergers, but from July 1, 1929, to April 30, 1930, a period of only ten months, there were 20 mergers representing assets of over \$2,000,000.

Since 1927 there has been a total of 49 mergers with assets of \$163,000,000. There is considerable significance in the spurt during the last ten months, and, according to reports reaching the division's office, there are many consolidations now in the making.

How to reduce the cost of the comfortable, convenient, and good looking family home so that its price will be within the reach of people of

limited incomes will occupy the attention of the nation's Realtors at the annual convention of the National Association of Real Estate Boards, to be held in Toronto, Canada, July 9, 10 and 11. The extent to which improved technique and mass production can effect this end will be explained by Ernest P. Goodrich, New York City, before the July 11 general convention session in his address on "Reducing Housing Costs by Improved Technique." Mr. Goodrich, who has for many years been active in all phases of housing research and is now president of the Research Institute for Economic Housing, is one of the country's outstanding consulting engineers. He has designed and erected buildings of all kinds, has acted as consultant to city planning commissions, and has been identified with the design and construction of some of the country's major dry docks and harbors.

Roger W. Babson recently pointed out in an article in the Philadelphia Bulletin, that while this country spent last year about \$2,000,000,000 in advertising, this was a prime force in moving about \$40,000,000,000 worth of goods, so the proportion did not seem large to him.

If there are any people who consider that money spent in advertising is partly or wholly wasted, they should consider what this noted economist says.

Also they should consider what would have happened if that \$2,000,000,000 had not been spent. Advertising has a general tendency to draw business away from inefficient and unsuccessful producers and distributors, to those who are doing business more effectively. If that advertising had not been printed, it seems likely that instead of paying \$40,000,000,000 for the production and distribution of these goods, the people might have been paying \$50,000,000,000 to \$30,000,000,000. Such a change could not of course occur in a single year, but if advertising had never developed as it has in recent years, it seems probable that the same products would have cost the larger sums named above.

Many of them would never have developed at all. They could not have been sold without advertising on a very generous scale. If there had never been much advertising of automobiles, for instance, there would not probably be today half as many automobiles as are now owned in the United States.

Advertising helps toward quantity production and distribution, which is one of the principal factors in the development of our prosperity and which brings luxuries that our fathers never dreamed of within the reach of the average citizen. — Vallejo Times-Herald.

Damages aggregating \$21,094.18 are sought in two suits filed in superior court in Santa Rosa against Petaluma Oil and Burner Company, and J. W. Dawson and F. L. Sandercock. The accident occurred through negligence in operation of an oil truck, so states the complaint filed.

The Weaver Lumber Company, Ltd., Los Angeles, and the T. A. Bennington Hardwood Flooring Co., Maywood, have been merged and will operate under the name of T. A. Bennington Commercial Company, according to O. A. Topham, president of the new concern.

John Joseph Brosnan, 87, Vallejo pioneer, passed away at his home June 8. He was at one time connected with the Pope and Talbot Lumber Co.

The brief of the Railroad Commission in support of the application of the Western Pacific California Railroad Company, a subsidiary of the Western Pacific Railroad Company, for a certificate of public convenience and necessity for the construction of a railroad line from Niles, Alameda County, to Redwood City, San Mateo County, for the purpose of affording a direct rail connection with San Francisco, has been forwarded to Washington for filing with the Interstate Commerce Commission, by Mr. Arthur T. George, attorney for the Commission.

The proposed line of railroad, connecting with the main line of the Western Pacific near Niles, will be approximately 40 miles in length, and will give to the Western Pacific an all rail entrance into San Francisco. The Railroad Commission is a party to the proceeding by virtue of filing a formal petition in intervention, and permission to intervene was granted by the Interstate Commerce Commission. The Railroad Commission offered testimony in support of the application, and placed Mr. A. G. Mott, its chief engineer on the witness stand at the hearing before the Federal body in support of its intervention.

The brief declares the belief of the Railroad Commission that the welfare of the state of California, and particularly of the city and county of San Francisco, and the San Francisco peninsula, will be greatly benefited by the granting of the application of the Western Pacific. It points out that the Western Pacific and the Southern Pacific companies are now in active competition for San Francisco traffic. The construction of the proposed line will enable the Western Pacific to strengthen its competitive position, in the opinion of the Railroad Commission.

San Francisco is now entered by the rails of but a single carrier, the Southern Pacific, the brief points out. It is inconceivable that the existing double track of the Southern Pacific will be adequate to meet the needs of San Francisco commerce indefinitely in the future, the brief declares.

Service of the Western Pacific to San Francisco and the San Francisco peninsula would be greatly improved by construction of the proposed line, it is pointed out. The proposed route of the connecting link of the Western Pacific is the only feasible low level route over which an additional railroad may enter San Francisco, the brief states.

Construction of the proposed line will not result in unnecessary duplication of facilities, and will make available to other trunk line carriers a rail entrance into San Francisco, it is stated. Construction of the proposed line will stimulate the industrial development of the San Francisco peninsula area, the Commission asserts. It is also contended that the offer of the Southern Pacific to act as a bridge carrier for traffic of the Western Pacific between Niles and San Francisco does not satisfy public convenience and necessity and would not be an adequate substitute for construction of the proposed line.

FIVE-DAY WEEK IN DENVER

The Journeymen Plumbers and Gasfitters' Local Union No. 3 has filed notice with the State Industrial Commission that it has adopted the five-day week, effective May 5, 1930. The Denver Master Plumbers Association has agreed to this five-day week program which applies to new work only. Union plumbers will be furnished for all emergency work on Saturdays. There will be no raise in wages. The present scale is \$11 per day.

PACIFIC COAST BUILDING IN MAY REGISTERS \$25,695,548

Following is a report of building permit activities in Pacific Coast cities for the month of May, in addition to those for the corresponding period in 1929, as reported by building department executives:

City	CALIFORNIA		May, 1929
	No.	Cost	
Alameda	77	\$ 44,919	\$ 136,664
Alhambra	92	352,500	\$206,695
Anaheim	18	27,415	33,125
Bakersfield	55	291,155	79,145
Berkeley	111	288,873	598,771
Burbank	32	71,165	70,660
Burlingame	12	113,632	74,715
Carmel	7	11,800	9,225
Chula Vista	6	7,250	65,560
Colton	7	4,850	39,800
Coronado	9	24,500	55,890
Emeryville	4	2,900	14,250
Eureka	34	38,205	105,366
Fresno	102	77,497	97,534
Fullerton	18	41,845	94,702
Glendale	110	294,655	460,323
Hayward	8	4,200	66,810
Huntington Park	39	272,275	208,424
Inglewood	34	106,478	90,280
Long Beach	421	1,275,680	1,950,080
Los Angeles	2,779	7,141,950	\$8,535,229
Lynwood	22	71,167	56,410
Modesto	36	128,475	45,340
Montebello	11	14,210	21,875
Monterey	30	71,125	175,707
National City	16	8,775	11,140
Oakland	332	852,761	1,192,751
Oceanside	12	2,505	29,300
Ontario	20	128,560	27,130
Pacific Grove	11	8,900	12,030
Palo Alto	38	64,925	94,195
Palos Verdes Estates	3	43,500	75,000
Pasadena	310	436,084	454,361
Petaluma	6	11,750	35,760
Piedmont	8	86,593	83,311
Pomona	62	237,855	53,550
Redwood City	26	54,280	82,810
Riverside	46	582,395	183,374
Sacramento	133	278,141	241,529
Salinas	36	72,013	\$1 325
San Bernardino	56	71,105	279,069
San Diego	379	654,695	1,180,024
San Francisco	570	2,884,110	4,307,352
San Gabriel	20	47,720	90,400
San Jose	65	222,715	205,355
San Leandro	23	70,688	38,900
San Marino	20	147,531	261,458
San Mateo	21	91,350	118,300
San Rafael	20	34,275	15,350
Santa Ana	60	263,565	111,762
Santa Cruz	43	26,010	125,795
Santa Rosa	17	24,095	15,517
South Gate	39	284,227	171,710
South Pasadena		20,484	152,050
Stockton	65	176,770	89,177
Torrance	12	54,539	131,250
Ventura	18	23,840	220,550
Vernon	31	31,325	87,160
Total	6,534	\$18,799,802	\$23,477,408
ARIZONA			
Phoenix	110	\$ 276,310	\$ 421,954
Tucson	115	245,279	214,620
Total	225	\$ 521,549	\$ 637,574
IDAHO			
Boise	77	\$ 316,409	\$ 36,492
Idaho Falls	14	12,925	91,350
Lewiston	23	26,465	47,125
Nampa	20	8,030	32,975
Total	134	\$ 364,029	\$ 207,642
NEVADA			
Reno	46	\$ 217,000	\$ 107,375
OREGON			
Astoria	13	\$ 2,565	\$ 6,203
Corvallis	16	18,500	14,292
Eugene	48	26,249	75,255
La Grande	5	158 6/70	17,350
Marshfield	7	9,450	2,350
Portland	521	860,995	1,331,725
Salem	50	64,195	127,859
Total	660	\$ 1,110,724	\$ 1,575,014

UTAH

Logan	4	\$ 10,600	\$ 42,030
Ogden	21	34,060	55,050
Salt Lake City	120	416,946	491,053
Total	145	\$ 461,606	591,703

WASHINGTON

Aberdeen	27	\$ 36,345	\$ 60,565
Anacortes	5	21,875	11,740
Bellingham	50	95,550	57,239
Everett	74	177,015	54,390
Longview	17	316,275	76,715
Seattle	578	2,777,520	2,447,995
Spokane	220	300,250	22,033
Tacoma	202	156,595	815,203
Vancouver	26	16,043	22,455
Walla Walla	28	90,585	13,961
Wenatchee	23	132,000	74,050
Yakima	53	70,125	553,550
Total	1,303	\$ 4,220,188	\$ 4,131,916
Grand Total	9,047	\$25,695,548	\$30,728,612

CONTRACT METHOD CHEAPER THAN DAY LABOR, SAYS ENGINEER

Address of Major-General Lytle Brown, Chief, Corps of Engineers, U. S. Army, before National Executive Boards of the Associated General Contractors of America, at Washington, April 29, 1930

The branch of the government with which I am connected expends about \$100,000,000 a year for services, supplies and construction work. It has many contracts to make, though it may do a very substantial part of its construction work by government-owned plant and hired labor. The settled policy is to do as much construction work by contract as is possible. The reasons behind this policy are:

- (1) It is contrary to our principles to place the government into competition with private industry.
- (2) In the long run, contractors can, by all odds, do work much more economically than can any agency of the government, and with a highly skilled organization can do it better.

When Day Labor Is Used

There are occasions when the government must do work by hired labor. They are, in general:

- (1) Where it is apparent that bids to do the work will not be received.
- (2) Where bids that are received are unreasonably high.
- (3) In cases where the work is of emergency nature that will not permit of the formality of receiving bids and making contracts.

These three cases cause the government to have on hand considerable quantities of plant, much to the irritation of some who assume that this plant is held as a threat to them. The fact is that the plant is accumulated by virtue of the reasons that I have just given, and is maintained to meet similar cases in the future. It is held in idleness whenever none of these cases is existent. If those who object to its maintenance are of the belief that it is used as a threat to legitimate bidders, they are mistaken in their belief, and will be shown to be so whenever the question is raised and a fair hearing is given.

Estimates Versus Bids

The necessity of getting reasonable bids for government work is not only economic necessity, but, furthermore, is required by the law that prohibits the awarding of the contract to any bidder whose bid exceeds the government estimate by 25 per cent.

That provision of law has been the cause of much fault-finding with the contracting officer's estimate. Many claims are that the estimate is too low and that the work cannot be done at its figure. Of course, man is not infallible, and maybe most men

would be inclined to estimate a little low when the other fellow had to do the work. But the estimate will be revealed when the bids are opened, and the low bidder will be given a period of five days in which to question the correctness of the estimate.

There is a tendency on the part of some contractors to claim that the government estimate is a bid on the part of the government against them. Of course, the claim is not well founded, for the contractor's bid is expected to be well in advance of the government estimate in order to cover a reasonable profit. A bid that is obviously too low should be a source of regret to any right-thinking contracting officer rather than a pleasure for loss money. This will be to the ultimate injury of the government's work.

Rigid Impartiality

There is a certain amount of formality required in government contracts and in the bidding on the same. That is made necessary by virtue of competitive bidding. There must be rigid impartiality, and to that there is required absolute equality in the conditions that all bidders must face. Another breeder of formality is introduced by the great care taken to place matters of right in such an aspect that they will withstand the most rigid test of the courts, which are not always guided by reason, but by the technicalities of the law.

The specifications are the body of the contract, and in them are found most of the troubles that come in the execution of a contract, and there is found, if anywhere, the main cause of friction between contractor and contracting officer. Standard specifications have done much to eliminate disputes over the qualities of materials and supplies, but there is such a varied character in works that standard specifications are difficult to frame.

Greatest Fault in Specifications

The greatest general fault that I have noted in specifications is the same that is found in faulty military orders. They often devote too much effort to the way things are to be done and so lose sight of the results to be obtained. A clear statement of the results to be obtained and the leaving of the methods to the resourcefulness and initiative of the

contractor is the proper way to draft them. In many cases, the contractor is so bound by prescribed methods that all responsibility is taken from him, and failure is then chargeable to the man who drew the specifications and not to the contractor. I have recently seen specifications which leave too much to interpretation, and so give to the contracting officer the opportunity to be unduly severe. There should be possible but one interpretation to a specification, and that a reasonable one.

In all cases where matters are important, a timid and suspicious man is a curse. A man who is always afraid of criticism has no business as a party to a contract. He will adjust all things to his own safety and will lean over backward, and so, by his particularity, will destroy mutual trust as well as profits, all to no other purpose than to quiet his own fears.

Meaning of a Contract

A contract is a coming together in mutual agreement for the supposed purpose of mutual benefit. Too often that is all the coming together there is, for after that the parties seem to do all they can to pull apart. Each, immediately the work begins, regards the other as his enemy, to be watched and circumvented if possible. No contract can be possibly carried out in that spirit. There is not likely to be any mutual benefit from that contract, or in any future one that those same parties may make. There should be no objection to each living on the work and watching it in the closest interest every step, but there should be no watching of each other, no suspicion of any kind. The results will always tell the tale.

If a contractor's sole object in life is as large a profit in money as he can possibly make, I am sure that he will not be the successful man at contracting, not successful in the largest sense. There must be some other motive besides contractor's money profit; there must be an intense desire to do a fine piece of work for the work's sake. And this desire must be so strong that a workmanlike job will remain and remain for long to be an honor to the man who did it and joy forever to those who observe it when he has gone to his reward. Who thinks of the money that Chippendale got for his fine furniture? Or who meditates on the money profit of the contractor when he looks upon the wonderful works that stand out from the past? The thought is of the honor, the brain and the skill of the master workman. He shall take nothing of his labor which he may carry away in his hand.

HOLOPHANE INSTITUTE TO OPEN NEW QUARTERS

The San Francisco Division of the Holophane Company, Inc., will open new quarters in the Russ Building, June 9th, with approximately two-thirds of the space devoted to the Holophane Light & Vision Institute.

The purpose of the Institute is to demonstrate to users of illumination the fundamentals of light and vision and the application of specific light-control devices to the solution of various problems; also to provide a lighting laboratory for the professions, freely accessible, without obligation. Lecture facilities will be provided.

The scope of the Light and Vision Institute will be as broad as is practicable, so that it will be in effect, a contribution benefiting the building industry as a whole.

IN NEW QUARTERS

Chamberlin Weatherstrip Co., Inc., announces the removal of offices from 247 Minna street to larger quarters at 895 Post street. Increased business necessitated the opening of uptown office quarters.

BUNKERS COMPLETED

George Blanchard, operating the Luna Park Gravel Company on the Berryessa Road, San Jose, announces the completion of bunkers involving an expenditure of \$15,000. Equipment for the plant was installed by Edward R. Bacon Company of San Francisco.

ARCHITECTURAL PRIZE AWARD

Walter Louis Relchardt, of New York, 22, just graduated at the University of Pennsylvania, has been awarded the Prix de Rome for architecture students. He receives more than \$8,000 to cover expenses for three years of study at the American Academy in Rome.

WILLIS FROST CANDIDATE FOR COUNTY SURVEYOR

Willis G. Frost, civil engineer, residing in Redwood City, has announced himself a candidate for the office of county surveyor of San Mateo County a position now held by Geo. A. Kneese. James S. James, formerly city engineer of Burlingame, is also a candidate.

FORMING CORPORATION

Jesse Shay and Company, Ltd., a corporation, has taken over the business and assumed the liabilities of the business formerly conducted by Jesse Shay, individually. The corporation is now in process of formation. The concern will engage in a general plastering contracting business.

STARTS OPERATION

Laminated Panel Cabin Co., 1222 42nd Ave., Oakland, has started production of ready-cut mountain cabins and summer homes which will sell for prices ranging from \$150 to \$300. The concern is operated by E. A. Blackman.

ON ROUND-THE-WORLD TRIP

Architect Richard J. Neutra of Los Angeles, has sailed on a trip around the world, which will bring him back to California in the fall. He is now enroute to Japan on the Shinyo Maru. He will address Japanese architectural associations at Tokio, Kyoto and Osaka. He has speaking engagements in Europe at Frankfurt, Berlin, Zurich and other cities. He will attend the convention of Les Congres Internationaux d'Architecture at Brussels in October. Mr. Neutra studied architecture in Munich and Vienna.

STEEL WINDOW CONTRACT IS AWARDED

Michell & Pfeffer Iron Works of San Francisco has been awarded a contract to furnish Ariston steel windows for 107 buildings to be erected at Randolph Field in Texas, from plans prepared by Government architects. The contract price runs in the neighborhood of \$50,000.

The project involves the erection of 65 double houses for N. C. O. Quarters and 42 homes for Company Officers' Quarters, the former to be two stories in height and the latter, one-story. Construction will be of concrete with stucco exterior.

OPENS BRANCH OFFICES

Aroia Products, Inc., dealers in Neon electrical signs, recently established a branch office with stock in San Francisco at 311 California St. This firm plans in the near future to establish a manufacturing plant in this vicinity. E. P. Prescott is Manager.

TRAFFIC MANAGER NAMED

The Junior Chamber of Commerce of San Francisco announces the successful termination of a year old fight for the appointment of a traffic manager for the port of San Francisco by the State Harbor Board.

L. M. King, civil engineer and formerly commercial agent for the State Board of Harbor Commissioners, was named as traffic manager with the responsibility laid upon him to reach out and obtain for San Francisco more tonnage over the city wharves.

FORD PLANT AT RICHMOND BEING FIGURED

Bids are now being received for Ford Motor Company, Rouge Plant, Dearborn, Michigan, for a \$5,000,000 plant.

The plans provide for a modern factory building of steel and brick, and to be made as near as possible free from danger of fire. Provisions are also made for a very ornamental steel and wire fence that will surround the property, and also for the beautification of the grounds with lawns, plants and shrubbery.

It is understood that plans call for the driving of \$100 piles for the wharf and for the foundation of the buildings.

Albert Kahn, Inc., are the architects, and William Bremner, personal representative of the architects, is at the Carquinez Hotel, Richmond.

PAUL V. TUTTLE MOVES TO NEW QUARTERS

Paul V. Tuttle, architect, announces the removal of his offices from 337 Twelfth St., Oakland, to 1117 Pearl St., Alameda. Mr. Tuttle has fitted up a studio at the rear of his residence and will continue his practice there temporarily.

BUILDINGS CONDEMNED

The State Division of Housing and Sanitation, during April, made 631 original housing inspections, 46 re-inspections and checked 36 plans for apartment houses and hotels, according to Will J. French, state director of Industrial Relations. There were 13 buildings demolished or closed as unfit for human habitation. Only 10 per cent of the original inspections were found to comply with the State Housing Act.

DEPARTMENT OF CITY PLANNING URGED FOR NEW YORK

Mayor Walker of New York City, has introduced into the Board of Estimate and Apportionment a bill creating a department of city planning, under the control of a single commissioner, to advise on matters of building and zoning and all future developments in the metropolis.

Unsuccessful attempts have been made at the last two sessions of the state legislature to pass a bill creating such a department with arbitrary powers. Under the provisions of the present bill, the department would have merely advisory powers, but its advice would have to be sought before changes could be made in a model plan, which the department would set up.

MAINTAINS OFFICES

Alfred H. Feasey, formerly of Mattock and Peasey, which company recently effected a dissolution of partnership, is operating a contracting business and maintains offices at 210 Clara St., San Francisco.

LARGER QUARTERS

Flanagan Machinery Company, Inc., formerly of 321 Clay St., Oakland, has moved to larger quarters and now occupies the entire three-story building located at 522 Fourth St., according to Ben J. Flanagan, president. Sales and service are directed from the Oakland office for San Francisco and Eastbay Districts as well as Central and Northern California.

OAKLAND FIRM AWARDED SAN JOSE CONTRACT

The Pacific Heating & Ventilating Co. of Oakland, with offices in the Builders' Exchange Bldg., were awarded the heating contract for the Junior High School at San Jose, as was announced in Saturday's "Builder." This company is composed of L. J. Dolan, Richard Porter and A. P. Devincenzi and has no connection with any other heating company of similar name in California.

PHOENIX TO VOTE ON WATER AND SEWER BOND ISSUE

The city commissioners of Phoenix, Arizona, have formally set June 25 as the date for a special election on a \$3,422,000 bond issue for water and sewer improvements. The bond issued, if voted, is to be divided as follows: water system improvements \$2,364,000; sewer system, \$817,000; payment of notes covering loans for laying 5 miles of concrete pipe lines in 1927, \$200,000; payment of a loan from the Salt River Valley Water Users' Assn., \$41,000.

OAKLAND BARS PATENTED STREET PAVING

More than \$300,000 in street contracts specifying patented paving are to be cancelled and new proceedings will be started calling for bids under open specifications. C. Stanley Wood, assistant city attorney, has notified W. N. Frickstad, city engineer.

Frickstad stated that Wood had advised him that every street paving contractor awarded contracts had agreed to city council action abandoning them.

City Engineer Frickstad said: The contracts will be cancelled and resolutions adopting plans and intention to do the work will be rescinded. Bids will then be called for under open specifications and no patented paving will be considered.

PASADENA EXCHANGE ELECTS

Paul Schwenzfeier succeeds Wm. T. Loesch as president of the Pasadena Builders' Exchange. Geo. L. Throop succeeds H. O. Clarke as vice-president and H. O. Clarke was made treasurer for the ensuing year.

Directors of the organization are: H. O. Clarke, Thornton Hamlin, Lathrop Leishman, Wm. T. Loesch, H. M. Vaughan, Glenn I. Billheimer, Frank Lander, E. O. Nay, Geo. L. Throop, Herman C. Folts, Paul Schwenzfeier, H. E. Tabor, N. O. Duvall, G. O. Cypherd, Charles Otto.

Building News Section

APARTMENTS

Preparing Preliminary Plans.
APARTMENTS Cost, \$1,800,000
LOS ANGELES, Cal. SE Sunset
 Blvd. and Crescent Heights.
 twelve-story and basement steel and
 concrete Class A apartments (295
 rooms).

Owner—Central Holding Corp.
 Architect—Gilbert Stanley Under-
 wood, California Reserve Bldg.,
 Los Angeles.

Contract Awarded.
EXCAVATION Cost, \$50,000
SAN FRANCISCO. W Gough St. bet.
 Washington and Sacramento.

Excavation and foundation for apts.
 Owner—Coast Bay Co., % contractors.
 Architect—Geo. W. Kelham, Sharon
 Bldg.

Contractor—Lindgren and Swinerton,
 Inc., 225 Bush St.
 More definite information will be
 given about June 14.

To Be Done By Day's Work.
ADDITION Cost, \$11,000
SAN FRANCISCO. 2100 Jackson St.
 One-story and basement frame and
 hollow tile addition to rear of apt.
 Owner—L. E. Levin, Room 802, 785
 Market St.
 Architect—C. A. Meussdorffer, 785
 Market St.

Plans Being Completed.
APARTMENTS Cost, \$125,000
STOCKTON, San Joaquin Co., Calif.
 N Hunter St..

Three-story and basement frame and
 stucco apts. (reinforced concrete
 basement; 42 2- and 3-room apts.)
 Owner—Owen Jones.

Architect—Glenn Allen, Union Block
 Bldg., Stockton.

Plans will be ready for bids in two
 weeks.

Sub-Bids Wanted.
APARTMENTS Cost, \$—
LOS ANGELES, Cal. No. 511 S.
 Serrano Street.

Seven-story and basement reinforced
 concrete apartments (60x138 ft.;
 144 rooms).

Owner—Henry Sanborn.
 Architect—C. Waldo Powers, Insur-
 ance Exchange Bldg., Los Angeles

COMPTON, Los Angeles Co., Cal.—
 Plans for five gymnasium buildings for
 Compton Union High School Dis-
 trict will be available at superin-
 tendent's office at the Compton Union
 High School. General contract bids
 only will be taken. Bids will be re-
 ceived at 2 P. M., June 19th.

KING CITY, Monterey Co., Calif.—
 Until July 1, 1 P. M., bids will be
 received by H. O. Williams, clerk, King
 City Union High School District, to
 erect reinforced concrete Fine Arts
 Unit to King City Union High School.
 Separate bids will be received for
 steam heating. Plans obtainable on
 deposit of \$20. Certified check of 5%
 required, made payable to Board of
 Trustees.

SAN MATEO, San Mateo Co., Cal.—
 Until June 20, 5 P. M., bids will be
 received by J. D. Bromfield, clerk, San
 Mateo Union High School, and Junior
 College Districts, to furnish and de-

liver supplies and equipment for
 Science laboratories. List obtainable
 from Superintendent of San Mateo
 High School, Bellevue and Delaware
 Sts., San Mateo.

Bids Opened.
ADDITION Cost, \$209,600
SEATTLE, Wash.

Three-story fireproof addition, 40x93x
 76 ft. to Lincoln High School
 (brick veneer exterior with terra
 cotta trimmings).

Owner—Seattle School District No. 1
 Architect—F. A. Naramore, City
 School Architect.

Low Bidder—Warrack Construction
 Co., Seattle.
 Separate bids were received for
 plumbing, heating and electric work.

Preparing Plans.
APARTMENTS Cost, \$—
LAS VEGAS, Nevada. South Second
 Street.

Apartment building.
 Owner—Al James.
 Architect—A. L. Worswick, Las Vegas

SANTA BARBARA, Cal.—L. M.
 Holman, proprietor of Holman Court,
 will erect addition to his apartment
 house court on West Micheltorena St.
 Cost, \$28,000.

Sub-Bids To Be Taken Within a Few
 Days.

APARTMENTS Cost, \$175,000
OAKLAND, Alameda Co., Calif. Lee
 and Grand Ave.

Six-story and basement steel frame
 and brick apts. (36 2- and 3-room
 apts.; concrete garage).

Owner and Builder—Harry Schuster,
 2424 Curtis St., Berkeley.

Architect—Willis Lowe, 354 Hobart
 St., Oakland.

Grading Contract Awarded.
APARTMENTS Cost, \$175,000
SAN FRANCISCO. N Clay St., bet.
 Franklin and Gough Sts.

Six-story steel frame and reinforced
 concrete apartments (24 5- and 6
 room apts.)

Owner and Builder—A. J. Falvey, 1950
 Clay St., San Francisco.

Architect—H. C. Baumann, 251 Kear-
 ny St., San Francisco.

Engineer—James Smith, 251 Kearny
 St., San Francisco.

A Demonstration of the SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
 (Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
 Tools.

1222 Mission St.
 San Francisco

Underhill
 1267

Grading—Sibley Grading & Teaming
 Co., 165 Landers St., San Fran-
 cisco.

As previously reported, structural
 steel awarded to McClintic Marshall
 Co., 2050 Bryant St., S. F.; reinforc-
 ing steel to W. C. Hauck & Co., 230
 San Bruno Ave., S. F.; lumber to
 Christenson & Co., Fifth and Hooper
 Sts., S. F.

Sub-bids are being taken on all
 other portions of the work.

Plans Being Figured—Bids Close June
 17th.

ALTERATIONS Cost, \$6000
ALAMEDA, Alameda Co., Calif.
 Alter present residence for apts.
 Owner—Mrs. H. W. Bridges.

Bank Bldg., Oakland.
 Bids are being taken from selected
 Architect—Guy L. Brown, American
 list of contractors.

Preparing Working Drawings.
APARTMENTS Cost, \$160,000
SAN FRANCISCO. Richmond District.
 Six-story steel frame and brick apts.
 (42 2-, 3-, 4- and 5-room apts.)

Owner—Name Withheld.
 Plans by Lawrence Ebbets.
 More definite information will be
 given in a few days.

Sub-Bids Being Taken.
APARTMENTS Cost, \$40,000
OAKLAND, Alameda Co., Cal. 51st
 and Melrose Sts.

Three-story and basement frame and
 stucco apts. (reinforced concrete base-
 ment; 18 2- and 3-room apts.)

Owner and Builder—T. D. Fisher, 2551
 23rd St., Oakland.

Plans by D. M. Crooks, 1448 Webster
 St., Oakland.

Engineer—Frank A. Hill, 1448 Web-
 ster St., Oakland.

Sub-Bids Being Taken.
APARTMENTS Cost, \$75,000
SAN FRANCISCO. SE Parker Avenue
 and California Street.

Three-story frame and stucco apart-
 ments (18 2-, 3- and 4-room apts.)
 Owner and Builders—H. O. and W. R.
 Lindemann, 619 27th Ave.

Plans by L. O. Ebbets, Hobart Bldg.

BONDS

MANHATTAN BEACH, Los An-
 geles Co., Cal.—Manhattan Beach
 City School District defeated \$18-
 600 bond issue June 2. Proceeds
 were to be used for purchase of two
 new school sites and erection of
 eight-room school building in north
 section of city. Issue for smaller
 amount will probably be resubmitted
 to the voters next month.

ORANGE CENTER, Fresno Co., Cal.
 —Mass meeting has been called in the
 Orange Center School District to dis-
 cuss proposal to issue bonds of \$35-
 000 to finance erection of a new school
 building.

MOSS LANDING, Monterey Co., Cal.
 —An election will be held July 1 in
 Moss Landing School District to vote
 bonds of \$8000, to be used for altera-
 tions and improvement of schools. W.
 H. Weeks, Hunter-Dulin Bldg., San
 Francisco, 1736 Franklin St., Oakland,
 and Bank of Italy Bldg., San Jose, ar-
 chitect.

MARYSVILLE, Yuba Co., Calif.—Election will be held June 27 in the Linda School District to vote bonds of \$9,500 to finance school improvements. Trustees of the district are: M. S. Mitrovitch, A. R. Gledhill and Wm. Dinsmore.

CHICO, Butte Co., Calif.—Board of Education contemplates calling bond election to finance erection of new schools and additions to standing structures. The construction program provides for the erection of a high school auditorium, gymnasium and cafeteria and an amount toward the junior high school approximately proportional to the 9th grade students to be housed in the junior high school, a new junior high school on the high school property including the 9th and the 7th and 8th of the elementary district, a kindergarten room at Salem St. school and a new Chico Vecino school.

VISALIA, Tulare Co., Cal.—Visalia Union High School District approved bond issue of \$210,000. Previous issue defeated.

CHURCHES

Contract Awarded.

ALTERATIONS Cost, \$—
LOS ANGELES, Cal. NW Oxford St. and Beverly Blvd.

Alterations and additions to frame and stucco church (1 and 2-story addition, etc.)

Owner—Wilshire Baptist Church (Rev. Bruce V. Black, pastor)

Architect—Train & Cressey, Western Mutual Life Bldg., Los Angeles.

Contractor—John Simpson Co., 701 Antonio St., Los Angeles.

Contractor Selected
CHURCH Cost, \$30,000
DUNSMUIR, Siskiyou Co., Cal.

One-story reinforced concrete church
Owner—Roman Catholic Bishop.

Architect—Harry Devine, California State Life Bldg., Sacramento.

Contractor—Wittheld.

Announcement will be made shortly.

Bids Rejected—Plans Being Revised.
CHURCH Cost, \$—

REDWOOD CITY, San Mateo Co., Cal. James and Hudson Sts.

One-story, basement and mezzanine floor frame and stucco church (auditorium to seat 325; 6 Sunday school rooms, ladies' parlor, pastor's study and dining room).

Owner—First Baptist Church (Rev. C. H. Gatchell, pastor).

Architect—J. G. Lehman, Redwood City.

Sub-Contracts Awarded.
ALTERATIONS Cost, approx. \$50,000
SAN FRANCISCO, Van Ness Avenue and Broadway.

Alterations to exterior of church.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.

Architect—H. A. Minton, Bank of Italy Bldg.

Contractor—J. E. Scully, Phelan Bldg. Terra Cotta—Gladding-McBean & Co., 600 Market St.

Stone—Robert Murray.
Sub-bids are being taken on other portions of the work.

FACTORIES AND WAREHOUSES

Additional Sub-Contracts Awarded.
MFG. PLANT Cost, \$125,000
SOUTH SAN FRANCISCO, San Mateo Co., Calif.

Part 2-story and part 6-story steel, brick and concrete manufacturing plant.

Owner—Pacific Bone, Coal & Fertilizer Company.

Engineers—Elison and Ellison, Pacific Bldg., San Francisco.

Contractor—Barrett & Hilt, 913 Harrison St., San Francisco.

Glass—Central Hardware & Glass Co., 638 4th St., San Francisco.

Roofing—H. E. Root Co., 639 Howard St., San Francisco.

Sheet Metal—Western Furnace & Cornice Works, Lansing and Essex Sts., San Francisco.

Steel Sash—Detroit Steel Products Co. Hunter-Dulin Bldg., S. F.

As previously reported, brick awarded to Emil Hogberg, 249 Edgewood Ave., San Francisco; reinforcing steel to Pacific Coast Steel Co., 111 Sutter St., S. F.; piling to Healy-Tibbitts Const. Co., 64 Pine St., S. F.; lumber to Loop Lumber Co., Central Basin, S. F.; structural steel to Dyer Bros. Iron Works, 17th and Kansas Sts., S. F.

Bids To Be Taken In One Week.
WAREHOUSE Cost, \$5500
SAN JOSE, Santa Clara Co., Cal.

One-story frame and stucco offices and warehouse.

Owner—Williams & Russo, Fourth and Virginia Sts., San Jose.

Architect—Herman Krause, Bank of San Jose Bldg., San Jose.

STOCKTON, San Joaquin Co., Cal.—Plant of Fisher Bros. Planing Mill suffered \$50,000 fire loss June 5. The loss is covered by insurance. The mill will be rebuilt at once, it is announced by Frank T. Fisher, President of the company.

Wrecking Contract Awarded.
PRINTING PLANT Cost, \$100,000
SAN FRANCISCO, 134 Spring St.

Six-story reinforced concrete printing plant.

Owner—Edw. Barry Co., 32 Clay St. Architect—Chas. E. Perry, 422 Sacramento St., Vallejo.

Contractor—David Paganini, 519 California St., San Francisco.

Wrecking—California Wrecking Co., 666 Mission St., San Francisco.

Sub-Bids Wanted.
FACTORY Cost, \$80,000
BERKELEY, Alameda Co., Calif. 735 Brayson St.

Alterations to class A factory.
Owner—Philadelphia Quartz Co., 6th & Grayson Sts., Berkeley.

Plans by Owner.
Contractor—W. E. Lyon, 354 Hobart St., Oakland.

Sub-bids are wanted on structural steel, corrugated iron, corrugated asbestos roofing, steel sash, glass and brick work.

Contract Awarded.
BAKERY Cost, \$—
FAIRFIELD, Solano Co., Calif. Texas and Jackson Sts.

Two-story class A bakery building (60 by 80-ft.).

Owner—John F. Meyer, Fairfield. Architect—Coffman, Sahlgren & Stafford, Forum Building, Sacramento, and First National Bank Building, Oakland.

Contractor—Frank Cross, Fairfield.

Contract Awarded.
STATIONS Cost, \$51,984
LOS ANGELES COUNTY, Orange County and Ventura County on State Highway.

Three maintenance stations (comprising one-story cottage, garage, bunk house and oil house; frame construction).

Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Contractor—A. A. McMurray, Los Angeles.

GUSTINE, Merced Co., Cal.—Plant of California Milk Products Co. suffered \$40,000 fire loss June 2. The loss is covered by insurance, according to W. K. McBride, plant manager.

Contract Awarded.
BAKERY Cost, \$10,000
SACRAMENTO, Sacramento Co., Cal. No. 2316 Y Street.

One-story bakery.
Owner—C. H. Osborne, 2432 Y Street, Sacramento.

Architect—None.
Contractor—Joseph Carey, 2921 Y St., Sacramento.

Brick Work Bids Wanted.
WAREHOUSE Cost, \$80,000
WATSONVILLE, Santa Cruz Co., Cal.

Two-story reinforced concrete warehouse and general office.

Owner—Espendolas, Inc. Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Contractor—The Ruegg Co., 369 Pine St., San Francisco.

Plans Being Figured.
LABORATORY Cost, \$50,000
SAN FRANCISCO, N. Fell Street bet. Van Ness Ave. and Polk St.

Three-story and basement reinforced concrete and brick offices and laboratory.

Owner—The Viavi Co., Van Ness Ave. and Market St.

Architect—Willis Polk Co., 277 Pine St.

LOS ANGELES, Cal.—Smart & Final, W. S. Suddaby, president and general manager, 1204 E. First St., Santa Ana, have taken options on two pieces of property in central manufacturing district, one of which will be used as site for building to house a grocery distributing plant. Will be masonry structure, containing approximately 50,000 square feet of floor space.

Plans Being Figured—Bids Close June 23rd.

PLANT Cost, \$3,000,000
RICHMOND, Contra Costa Co., Calif.

Contract of steel frame and brick buildings (1-story assembly plant, 300,000 sq. ft.; 2- or 3-story wharf bldg. and receiving bldg.)

Owner—Ford Motor Car Co., Edsel Ford, president, Detroit, Mich.

Architect—Albert Kahn, Inc., Dearborn, Mich.

Bids are being received by the Ford Motor Co., Rouge plant, Dearborn, Michigan, C. R. Brown in charge.

Following is a partial list of the contractors who will figure the plans: Pan-Pacific Piling & Const. Co., Richmond.

McDonald & Kahn, Financial Center Bldg., San Francisco.

Healy-Tibbitts Const. Co., 64 Pine St., San Francisco.

Dinwiddie Const. Co., Crocker Bldg., San Francisco.

Clinton Const. Co., 923 Folsom St., San Francisco.

Additional bidders will be announced shortly. Mr. Williams Bremmer, personal representative of the architects will be at the Carquinez Hotel, Richmond.

Planned.
CHEMICAL PLANT Cost, \$1,000,000
PITTSBURG, Contra Costa Co., Cal.

Vicinity of Nichols (6000-ac. tract) Huge chemical plant.

Owner—Subsidiary of Shell Oil Co. Architect—Not Given.

More definite information will be given at a later date.

SUSANVILLE, Lassen Co., Cal.—Quigley Lumber Company completely destroyed by fire, causing loss of \$50,000.

Planned.
ASSEMBLY PLANT Cost, \$—
 SEATTLE, Wash. Industrial Section.
 Fireproof assembly plant (10,000 square feet).
 Owner—Albatross Steel Equipment Co.
 557 Market St., San Francisco.
 Architect Not Selected.

Commissioned To Prepare Plans.
NEWSPAPER PLANT Cost, \$—
 POMONA, Los Angeles Co., Cal.
 Third and Thomas Sts.
 Two-story and basement Class A
 Newspaper Plant (119x220 ft.).
 Owner—Progress-Bulletin Publishing
 Co., Pomona.
 Architect—Lincoln Rogers, 2412 W.
 Seventh St., Los Angeles.

Contract Awarded.
MFG PLANT Cost, \$450,000
 HERMOSILLO, Sonora, Mexico.
 Cement manufacturing plant (500 bbls.
 per day capacity).
 Owner—Cemento Portland Nacional
 (S. A. Francisco Elias, President).
 Architect—None.
 Contractor—MacDonald Engineering
 Co., 149 California St., San Francisco.

Correction In Contractor's Address.
BAKERY Cost, \$—
 FAIRFIELD, Solano Co., Calif. Texas
 and Jackson Sts.
 Two-story class A bakery building (60
 by 80-ft.).
 Owner—John F. Meyer, Fairfield.
 Architect—Coffman, Sahlberg & Staf-
 ford, Forum Building, Sacramento
 and First National Bank Building,
 Oakland.
 Contractor—Frank Cress, 828 Excel-
 sior Blvd., Oakland.

Plans To Be Prepared.
MILL Cost, \$—
 BRODERICK, Yolo Co., Cal.
 Rebuild mill.
 Owner—California Rice Growers Assn.
 (E. L. Adams, president, Chico).
 Architect Not Selected.
 Mill was recently destroyed by fire,
 with loss to the amount of \$450,000.

Contract Awarded.
CASEIN PLANT Cost, \$15,000
 FRESNO, Fresno Co., Cal. F and
 Inyo Streets.
 Casein plant.
 Owner—Danish Creamery Assn., E
 and Inyo Sts., Fresno.
 Architect—None.
 Contractor—Thomas M. Paulsen, 3666
 Illinois St., Fresno.

Contract Awarded.
BAKERY Cost, \$150,000
 SEATTLE, Wash. Thirteenth Ave.
 and East Columbia St.
 Two-story fireproof bakery and re-
 model present buildings.
 Owner—Langendorf United Bakeries,
 Inc.
 Architect—None.
 Contractor—Barrett & Hilp, 918 Har-
 rison St., San Francisco.
 Lumber—Elliott Bay Mill Co., Seattle
 Wrecking—Matheny & Bacon.
 Excavation—A. C. Goerig.

Plans Being Completed—Bids To Be
 Taken In About One Month.
FLANT Cost (1st unit) \$500,000
 PITTSBURG, Contra Costa Co., Cal.
 Twenty-acre site available.
 Refractories plant.
 Owner—Stockton Fire Brick Co., Russ
 Bldg., San Francisco.
 Engineer—K. Theill, 580 Market St.,
 San Francisco.
 Modern equipment will be installed,
 including a continuous car tunnel
 klin. There will be considerable steel
 work involved.

Bids Opened.
WAREHOUSE Cost, \$30,000
 SACRAMENTO, Sacramento Co., Cal.
 Tenth and R Streets.
 Two-story and basement concrete
 paint warehouse.
 Owner—W. P. Fuller & Company, 301
 Mission St., San Francisco.
 Architect—Coffman, Sahlberg & Staf-
 ford, Forum Bldg., Sacramento.
 Following are three low bidders,
 whose bids are being held under ad-
 visement:
 Azevedo & Sarmiento, 920 O St.,
 Sacramento \$23,999
 George Kopp, Sacramento 24,065
 Wm. C. Keating, Sacramento
 and Oakland 24,950

Contract Awarded.
WAREHOUSE Cost, \$30,000
 OAKLAND, Alameda Co., Cal. Second
 and Harrison Sts.
 One-story steel and brick warehouse
 (100x200-ft.).
 Owner—Safeaway Stores, 4th and Jack-
 son Sts., Oakland.
 Engineers—Couchot & Rosenwald, Un-
 derwood Bldg., San Francisco, and
 Chas. Roeth, 1404 Franklin Street,
 Oakland.
 Contractor—Chas. Heyer, Jr., Mills
 Bldg., San Francisco.

Structural steel and Ornamental Iron
 Contracts Awarded.
REMODELING Cont. price, \$9050
 SAN JOSE, Santa Clara Co., Cal. Sec-
 ond and San Fernando Sts.
 Remodel present warehouse.
 Owner—Lion & Co., San Jose.
 Architect—Herman Krause, Bank of
 San Jose Bldg., San Jose.
 Contractor—H. Bolwin, 1041 Garland
 St., San Jose.
Structural Steel and Ornamental Iron
 —San Jose Iron Works, 535 W San
 Carlos St., San Jose.
 As previously reported, Summerbell
 Truss Co., 351 Hobart St., Oakland,
 awarded contract for five 68-ft. Sum-
 merbell Wood Roof Trusses.

Plumbing Contract Awarded.
MFG. PLANT Cost, \$25,000
 SAN FRANCISCO, S Harrison St. W
 First St.
 Two-story reinforced concrete manu-
 facturing plant.
 Owner and Builder—James Hjul, 123
 Russ St., San Francisco.
 Plans by Owner.
 Lessee—Dalmo Mfg. Co., 449 Bryant
 St., San Francisco.
Plumbing—Rodoni-Becker Co., 455
 Tenth St., San Francisco.

Plans Being Figured—Bids Close
 June 23, 4:30 P. M.
TRANSIT SHED Cost, \$—
 OAKLAND, Alameda Co., Cal. Outer
 Harbor.
 400 ft. extension to transit shed.
 Owner—City of Oakland Port Com-
 mission, G. B. Hegardt, Secretary.
 424 Oakland Bank Bldg., Oakland
 Architect—Eng. Dept. of Owner.

Contract Awarded.
ALTERATIONS Cost, \$10,000
 FRESNO, Fresno Co., Cal. No. 714
 P Street.
 Owner—Western Meat Co., 714 P St.,
 Fresno.
 Architect—None.
 Contractor—F. R. Siegrist Co., 693
 Mission St., San Francisco.

GARAGES AND SERVICE STATIONS

Contract Awarded
AUTO SALES BLDG. Cost, \$—
 SAN LUIS OBISPO, San Luis Obispo
 Co., Cal.
 One-story brick auto sales building
 (\$5x165 feet).

Owner—A. L. Cunningham (Buick
 Dealer), San Luis Obispo.
 Plans by Owner.
 Contractor—W. J. Smith, San Luis
 Obispo.
 Summerbell Truss Co., 354 Hobart
 St., Oakland, has been awarded con-
 tract for 9 85' Summerbell Wood
 Roof Trusses. Excavation has just
 been started.

Plans Being Completed.
GARAGE Cost, \$15,000
 SAN LEANDRO, Alameda Co., Cal.
 Location Withheld.
 One-story steel frame, brick or tile
 garage.
 Owner—Withheld.
 Architect—Williams and Wastell, 373
 17th St., Oakland.

Sub-Contracts Awarded.
GARAGE Cost, \$35,000
 SAN FRANCISCO, SW Eighteenth &
 Shotwell Sts.
 One-story concrete garage.
 Owner—Langendorf United Bakeries,
 Inc., 1160 McAllister St.
 Engineers—Elison & Russell, 712 Pa-
 cific Bldg.
 Contractor—Barrett & Hilp, 918 Har-
 rison Street.
Sheet Metal—Western Furnace & Cor-
nlces Works, Lansing and Essex.
Steel Sash—U. S. Metal Products Co.,
330 10th St.
Electric Work—G. H. Armstrong Elec.
Co., 2390 Howard St.
 As previously reported, lumber con-
 tract awarded to Rolando Lumber Co.,
 301 Berry St.; brick to Hock & Hoff-
 meyer, 666 Mission St.; steel pans to
 U. S. Metal Products Co., 330 20th St.;
 excavation to Flombo Bros. & Co., 1269
 14th Ave.

Contract Awarded .
GARAGE Cost, \$31,990
 WATSONVILLE, Santa Cruz Co., Cal.
 One-story concrete garage.
 Owner—W. W. Bendell, 213 Main St.,
 Watsonville.
 Architect—A. W. Story, Pajaro Valley
 Bank Bldg., Watsonville.
 Contractor—F. T. Wallstrom, Watson-
 ville.

Sub-Bids Being Taken.
GARAGE Cost, \$15,000
 SAN LEANDRO, Alameda Co., Cal.
 Location Withheld
 One-story steel frame, brick or tile
 garage.
 Owner—Withheld.
 Architect—Williams & Wastell, 373
 17th St., Oakland.
 Contractor—L. R. McWethy, 337 17th
 St., Oakland.

Preliminary Plans Being Prepared.
GARAGE & OFFICES Cost, \$100,000
 SEATTLE, Wash. NE 5th Avenue and
 Cherry Street.
 Two-story fireproof service station, of-
 fices and garage.
 Owner—General Petroleum Co.
 Architect—Eng. Dept. of Owner.
 Foundation will be laid to carry ad-
 ditional stories.

GOVERNMENT WORK AND SUPPLIES

Bids Opened.
REPAIRS Cost, \$—
 SAN FRANCISCO, Main Post Office.
 Exterior and interior repairs at post
 office.
 Owner—U. S. Government.
 Architect—Supervising Architect,
 Treasury Dept., Washington, D. C.
 Flinn Anderson \$2,952
 Thomas M. Jones 2,990
 H. Pappenhausen 3,990
 J. A. Grant 4,979
 N. Hemminga 6,150
 Bids referred to Washington for
 award.

Steel Window Contract Awarded
WINDOWS Cost, \$50,000
RANDOLPH FIELD, Texas.
Ariston steel window installation.
Owner—U. S. Government.

Details by Government Architects.
Contractor—Michael & Pfeffer Iron
Works, Harrison and Tenth Sts.,
San Francisco.

Installation will provide Ariston
steel windows for 107 buildings, com-
prising 65 double houses for N. C. O.
Quarters, all two story concrete and
stucco finish and 42 houses for Com-
pany Officers' Quarters, all one-story
concrete and stucco.

Bids Opened.
PAINTING Cost, \$—
SAN FRANCISCO. Main Post Office.
Exterior and interior painting at Main
Post Office.

Owner—U. S. Government.
Architect—Supervising Architect,
Treasury Dept., Washington, D. C.
Cramer Bros., 1941 15th St. \$1,345
Shulman Conroy 1,755
A. Quandt & Son 2,447
Chas. Starwasser 2,985
Bids referred to Washington for
award.

Bids Opened.
POWER LINE Cost, \$—
SAN FRANCISCO. Angel Island, San
Francisco Bay.

Install 11,000-volt power line at Quar-
antine station.
Owner—U. S. Government.
Architect—Supervising Architect,
Treasury Dept., Washington, D. C.
Complete list of bids follows:
Langlais Electric Co. \$4,990
Butte Elec. & Mfg. Co. 6,121
Globe Electric Works 6,572
Buzell Electrical Works 6,617
The Turner Co. 6,625

HONOLULU, T. H.—J. L. Young,
Honolulu, is said to have submitted
the low basic bid to the U. S. War
Department for the erection of three
reinforced concrete barracks buildings
and one reinforced concrete adminis-
tration building in connection with
the Scofield Barracks at Honolulu.
The work is said to involve an expendi-
ture of approximately \$1,000,000.

Further details, together with a
complete list of the bids received on
this project, will be given in the col-
umns shortly.

SAN BERNARDINO, Cal.—Kimball
Bros., Council Bluffs, Iowa, Kimball
Elevator Co., western representatives,
1579 W. Jefferson St., Los Angeles,
submitted low bid of \$4750 to the Su-
pervising Architect, Treasury Depart-
ment, Washington, D. C., June 6, for
furnishing and installing one freight
elevator in new U. S. post office build-
ing to be erected in San Bernardino.

Low Bidder.
POST OFFICE Cost, \$216,000
SAN BERNARDINO, Cal.

Two-story and basement steel frame
and reinforced concrete and brick
post office (15,000 sq. ft.)

Owner—United States Government.
Architect—Supt. Architect, Treasury
Dept., Washington, D. C.

Low Bidder—Robert McKee, Central
Bldg., Los Angeles.

Plans Approved.
CAMP Cost, \$100,000
FLAGSTAFF, Arizona. 7000 acre site.
National Guard camp (26 permanent
buildings, water and sewer sys-
tems).

Owner—U. S. Government.
Architect—Supervising Architect,
Treasury Dept. Washington, D. C.
Bids will be called for shortly by
adjutant General Joseph F. Pomeroy,
State Adjutant General, Phoenix,
Arizona.

Planned.
BARRACKS Cost, \$687,700
FORT LEWIS, Washington.
Additional barracks, officers' quarters
and non-commissioned officers'
quarters.
Owner—U. S. Government.
Architect—Supervising Architect,
Treasury Dept., Washington, D. C.

SAN FRANCISCO.—Following three
low bids received by Public Works Of-
ficer, 12th Naval District, 100 Harrison
St., for installation of wood and glass
partitions, tongue and grooved parti-
tions, lockers and work bench at the
U. S. Naval Reserve Armory, 105 Mar-
ket St.: F. A. Lorenz, \$317; Clancy
Bros., \$385; McCarthy & Johanns,
\$390. Bids referred to Washington for
award.

PRESCOTT, Arizona—Until July
14, 3 P. M., bids will be received by
Supervising Architect, Treasury De-
partment, Washington, D. C., to con-
struct (except elevator) U. S. Post
Office and Court House at Prescott,
Ariz. Building will be approximately
7400 sq. ft. ground area; three-story
and basement; fireproof; stone and
brick facing, terra cotta trim. Plans
obtainable from above on deposit of
\$25, returnable.

PACIFIC COAST, Cal.—Testimony
of Rear Admiral Moffett before military
naval committee last week indicates
that proposed dirigible base to be
established in California will cost ap-
proximately \$15,000,000, major portion
of which will be spent for buildings
and mooring masts and development
of water supply and transportation.
Admiral Moffett told committee that
he intends, also, to establish heavier-
than-air base on dirigible site. Base
will be established either at Camp
Kearny, near San Diego, or at Sun-
nyvale, northwest of San Jose in
Santa Clara County.

Bids Opened.
REPAIRS Cost, \$—
SAN FRANCISCO. Yerba Buena Is-
land, San Francisco Bay.
Repair and re-roof Building No. 13 at
Naval Receiving Ship Station
(Spec. No. 6094).
Owner—U. S. Government.
Architect—Bureau of Yards & Docks,
Navy Dept., Washington, D. C.
Following bids received: Malott and
Peterson, 3221 20th Street, \$448; Alta
Roofing Co., \$466; E. W. Wright and
Co., \$625.

HAWTHORNE, Nev.—Until June 18,
11 A. M., bids will be received by the
Bureau of Yards and Docks, Navy De-
partment, Washington, D. C., under
Spec. No. 6146 for refrigerated display
case and three refrigerators, each
with separate machine, to be installed
at the Naval Ammunition Depot, Haw-
thorne, Nev. Information obtainable
from the 12th Naval District, 100 Har-
rison St., San Francisco, and 11th Na-
val District, Broadway, San Diego.
Deposit of \$10 required for plans.
On previous call lowest bid was sub-
mitted by Savage & Son, Reno, Nev.,
at \$4,712.

HALLS AND SOCIETY BUILDINGS

Contracts Awarded.
LODGE BLDG. Cost, \$10,000
ESCALON, San Joaquin Co., Calif.
Two-story brick class C lodge build-
ing (banquet hall, kitchen and
lodge rooms).
Owner—Masonic Lodge.
Architect—Davis-Pearce Co., Grant &
Weber Sts., Stockton.
Contractor—John Cavanaugh, 219 N
Sutter St., Stockton, \$735.
Plumbing—C. Brayton, Escalon, \$567.

Bids Opened—Held Under Adjudgment.
LODGE BLDG. Cost, \$10,000
NILES, Alameda Co., Cal.
Two-story brick lodge building.
Owner—Odd Fellows Lodge.
Architect—George Ellinger, 1723 Web-
ster St., Oakland.
Announcement of bids will be made
about June 11th.

Plans Being Completed.
CLUB BLDG. Cost, \$30,000
MOUNTAIN VIEW, Santa Clara Co.
Two-story reinforced concrete club
building.
Owner—American Legion, Mt. View.
Architect—Alex. A. Cantin, 544 Mar-
ket St., San Francisco.
Bids will be taken in about two
weeks.

Contract Awarded.
ADDITION Cost, \$50,000
PORTLAND, Ore. Waverly Country
Club.
One-story and mezzanine floor frame
and stucco addition to clubhouse
(160x115 feet).
Owner—Waverly Country Club.
Architect—Morris H. Whitehouse,
Wilcox Bldg., Portland.
Contractor—L. H. Hoffman, Portland.
Wiring—NePage-McKenny Co., 123
18th St., Oakland.
Lockers—Lyon Metal Products Co.,
Hunter-Dulin Bldg., San Francisco

Plans Being Completed.
RECREATION BLDG. Cost, \$125,000
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete re-
creation building.
Owner—Interstate Recreation Corp.,
Lic., J. B. Munjar, Phelan Bldg.,
San Francisco, president.
Architect—Joseph L. Stewart, Federal
Reserve Bank Bldg., San Fran-
cisco.
Bids will be taken in about one
week.

Plans To Be Prepared.
CLUB HOUSE Cost, \$—
PITTSBURGH. Contra Costa Co., Cal.
Location not selected.
Modern club house (height and type of
construction not decided).
Owner—Lions Club of Pittsburgh (F.
Hollender, secretary and chairman
of the Building Committee, Pitts-
burg).
Architect Not Selected.
More definite information will be
given when proposed project is further
developed.

Plans To Be Prepared.
SYNAGOGUE Cost, \$10,000
SANTA CRUZ, Santa Cruz Co., Cal.
W. Mission St. bet. Rigg and Otis
Streets.
B'nai B'rith center and synagogue
(height and type of structure not
determined).
Owner—Jewish citizens of Santa Cruz.
Architect Not Selected.

Construction To Start In About Two
Weeks.
STORE & LODGE Cost, \$60,000
GILROY, Santa Clara Co., Calif. N
Monterey St.
Two-story concrete store and lodge
building (190x55-ft.)
Owner—Mainero Bros., Gilroy.
Architect—Albert F. Roller, Crocker
First National Bank Bldg., San
Francisco.
Lessees—Elks Club (2nd story); B.
Marshinger (1st story).
Contractor—Wm. Radtke, Gilroy.

Contract Awarded.
MEMORIAL BLDG. Cont. price, \$18,472
UKIAH, Mendocino Co., Cal.
Frame and stucco American Legion
Memorial Club Building.
Owner—County of Mendocino, H. M.
Burke, county clerk, Ukiah.

Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento.
Contractor—C. W. Gibson, Ukiah.
There were four bids in all submitted.

Plans Being Figured—Bids Close
July 15, 2:00 P. M.
MEMORIAL HALL Cost, \$55,000
(exclusive of furnishings)
EUREKA, Humboldt Co., Cal. H. St.
bet. 10th and 11th Sts.
One-story and basement concrete Veterans' Memorial Hall, 140x98-ft.
Owner—County of Humboldt, Fred M. Kay, county clerk, Eureka.
Architect—Newton Ackerman, 102 W 4th St., Eureka.

Basement will contain banquet room handball court, kitchen, Boy Scout quarters, storage space and locker rooms. First floor will provide lobby, memorial hall seatig between 400 and 500, lounges, card and billiard rooms. Exhibit rooms will be provided on the mezzanine floor.

HOSPITALS

Completing Plans.
HOSPITAL Cost, \$—
SAN BERNARDINO, Cal. SE Highland and Waterman Aves.
Five-story reinforced concrete Class A hospital (200x200 ft.)
Owner—Sisters of Charity
Architect—L. E. Lovelless, Robertson Bldg., Beverly Hills.

Plans Completed.
ADDITION Cost, \$275,000
PHOENIX, Arizona. Tenth St. and McDowell Road.
Four-story Class A reinforced concrete and pressed brick addition to hospital (44x151).
Owner—Good Samaritan Hospital.
Architect—Lescher & Mahoney, Bank of Arizona Bldg., Phoenix.
The power plant and laundry will be housed in a separate building, 90x40 feet in size. New boilers will be installed and a 100-foot stack built.

Plans Being Figured By Selected List Of Contractors.
ADDITION Cost, \$30,000
with equipment
SAN FRANCISCO. Sutter and Scott Streets.
One-story brick addition to laboratory building.
Owner—Mt. Zion Hospital, Premises.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.

Low Bidder.
HOSPITAL Cont. Price, \$21,126
GRAND CANYON, Arizona.
One-story frame and plaster hospital
Owner—U. S. Government (U. S. Park Service)
Architect—Chief Landscape Architect, Underwood Bldg., San Francisco.
Low Bidder—George C. Walters, Flagstaff, Arizona, at \$21,126.

Plans Being Prepared.
COTTAGES Cost, \$36,000
SACRAMENTO, Sacramento Co., Cal. Suttersville Road (Sacramento Orphanage and Children's Home).
Two 2-story frame cottages and one-story brick laundry (23x60 ft.) and boiler room.
Owner—City of Sacramento.
Architect—Dean and Dean, California State Life Bldg., Sacramento.
Cottages will contain dining room, kitchen, porch, laundry, bedroom, sewing room and living room on the first floor and two dormitories, four dressing rooms, two bathrooms and quarters for the house mother on the second floor.

Contract Awarded.
HOSPITAL Cont. price, \$341,650
PALO ALTO, Santa Clara Co., Calif. On State Highway north of Palm Drive.
Four-story reinforced concrete hospital (100-bed capacity).
Owner—City of Palo Alto.
Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.
Contractor—K. E. Parker, 135 South Park, San Francisco.
Laundry, heating plant, kitchen and store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and 3rd floors will be devoted to accommodations of patients in addition to two-three- and four-room wards and 15-room nursery. Large sun porch will also be located on second floor. Fourth floor will be given over to surgery.

Contract Awarded
REPAIRS Cost, \$963.31
OROVILLE, Butte Co., Cal. County Infirmary.
Repairs and alterations to infirmary. Owner—County of Butte.
Engineer—J. A. Bumgarner, County Engineer.
Contractor—G. C. Kenoyer, Oroville.
Linoleum—Beal Furniture Co., at \$187.50
Painting and Papering—Harris Paint & Wall Paper Store at \$256.90.

Sub-Contracts Awarded.
ADDITION Cost, \$125,000
SAN FRANCISCO. Mission St. and Silver Ave.
Reinforced concrete wing addition to present building.
Owner—Hebrew Home for Aged.
Architect — Hyman & Appleton, 68 Post St., San Francisco.
Contractor—Spivock & Spivock, Hobart Bldg., San Francisco.
Grading—Sibley Grading & Teaming Co., 165 Landers St., S. F.
Cast Stone—Henry Gregoire, 357 12th St., San Francisco.
Other awards will be made shortly.

HOTELS

Contract Awarded.
HOTEL Cost, \$21,917
SALINAS, Monterey Co., Cal. Abbott and Maple Streets.
Two-story and basement concrete hotel.
Owner—J. Bernardello, Salinas.
Architect—Butner & Stranahan, Glikbarg Bldg., Salinas.
Contractor—J. S. Boyd, Villa St., Salinas.

Preparing Preliminary Plans.
HOTEL Cost, \$100,000
PITTSBURG, Contra Costa Co., Cal. Third and Cumberland Sts.
Four-story reinforced concrete hotel.
Owner—Leo Lippow, Martinez.
Architect—Leonard H. Ford, 1435 Harrison St., Oakland.

Plans Being Prepared.
HOTEL Cost, \$—
SONORA, Tuolumne Co., Cal. Tourist hotel (height and type of construction not determined).
Owner—Wilson Investment Co.
Architects—Edwards and Schary, 605 Market St., San Francisco.
Proposed project is in a very preliminary stage.

Plans Being Prepared.
ADDITION Cost, \$250,000
STOCKTON, San Joaquin Co., Calif. Sutter and Market Sts.
Five-story class A addition to hotel.
Owner—W. C. Clark, Sutter and Market Sts., Stockton.

Architect—Glenn Allen, 41 S Sutter St., Stockton.
Plans will be ready for bids about July 15.
Planned.
HOTEL Cost, \$2,500,000
LOS ANGELES, Cal. Hollywood Hills Seven-story steel frame and reinforced concrete and brick hotel (300 rooms) (villas to accommodate 200 guests).
Owner—California Western Holding Co. (Gilbert H. Bessemeyer, President).
Architect — Gordon B. Kaufmann, Union Bank Bldg., Los Angeles.
Construction is to start within 18 months.

Contracts Awarded.
REMODELING Cost, \$10,000
STOCKTON, San Joaquin Co., Calif. Clark Hotel, Sutter and Market.
Remodel hotel.
Owner—W. R. Clark, Sutter and Market Sts., Stockton.
Architect—Glenn Allen, 41 S Sutter St., Stockton.
Contractor—Lewis & Green, Bank of Italy Bldg., Stockton.
Tile—Art Tile & Mantel Co., 221 Oak St., San Francisco.
Electric Work—Eddy Elec. Co., 309 E Weber St., Stockton.
Painting—Frank Labaga, Stockton.

WATER WORKS

SAN FRANCISCO.—See "Government Work and Supplies," this issue. Bids open for power line at U. S. Quarantine Station.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

LINDSAY, Tulare Co., Cal.—Various civic organizations are discussing calling another bond election to provide funds for new civic center buildings, a pump for the fire department and a municipal ambulance.

Prospective Bidders.
MEMORIAL BLDG. Cost, \$65,000
EMERYVILLE, Alameda Co., Calif. Salem St. bet. 43rd and 45th Sts.
Two-story reinforced concrete Veterans' Memorial Building.
Owner—County of Alameda.
Architect—H. H. Meyers, Kohl Bldg., San Francisco.
Following is a list of the contractors who have secured plans:
Frank Barry, 1074 Harvard Ave., Oakland.
Gaubert Bros., 4735 Brookdale Ave., Oakland.
Chas. D. Vezey & Sons, 3220 Sacramento St., Oakland.
Emil Person, 829 San Luis Rd., Oakland.
John E. Branagh, 184 Perry St., Oakland.
George Swanstrom, 1723 Webster St., Oakland.
J. Feidhammer, 1004 Park St., Alameda.
J. J. Grodem, 1028 San Antonio St., Oakland.
A. T. Spence, 641 Taylor St., Alameda.
N. H. Sjoberg & Son, 5604 E 16th St., Oakland.
E. T. Lesure, 87 Ross Circle, Oakland.
Viladsen Bros., 417 Market St., San Francisco.
Feary & Moll, 1075 40th St., Oakland.
Bids are to be opened June 24, 10:30 A. M.

SAN FRANCISCO.—Until June 23, 3 P. M., bids will be received by Leonard S. Leavy, City Purchasing Agent, 27th City Hall, to furnish carpets and linoleum. Specifications and further information obtainable from above.

LOS ANGELES, Los Angeles Co., Cal.—Until June 17, 10 A. M., bids will be received by D. P. Nicklin, purchasing agent Los Angeles Water & Power Bureau, for crosscoated wooden cross-arms involving: 650 6-pin cross-arms; 3000 10-pin cross-arms; 600 3-pin 9-ft. high voltage cross-arms.

Sub-Bids Being Taken.
FIRE HOUSE Cost, \$—
SAN FRANCISCO. W 18th Ave. 225 N Rivera St.

Mission and Spanish type 50 by 120-ft. fire house (cement plaster and hollow tile construction).

Owner—City and County of San Francisco.

Architect—Bureau of Architecture, Board of Public Works, 2nd floor, City Hall.

Contractor—Frank J. Reilly, 6340 Fulton Street.

As previously reported, electrical work awarded to Atlas Electric Co., 343 4th St., at \$1,640; plumbing to Thomas Skelly, 1344 9th Ave., at \$6471.

SACRAMENTO, Cal.—Until June 26, 10 A. M., bids will be received by Harry W. Hall, county clerk, for constructing mezzanine floor and for installation of equipment in the office of the recorder, Sacramento County Courthouse. Specifications on file with Chas. W. Deterding, county engineer. Certified check of 10% required, payable to Chairman of Sacramento County Board of Supervisors.

See call for bids under official proposal section in this issue.

Planned
ADDITION Cost, \$200,000
FRESNO, Fresno Co., Cal. Civic Center.

Two-story addition (108x150-feet) to courthouse and alterations to jail. Owner—County of Fresno.

Architect Not Selected.
Proposed addition would house offices of assessor, tax collector, recorder and clerk; would also provide accommodations for welfare department, probation officer and superintendent of schools.

PRESCOTT, Arizona—Until July 14, 3 P. M., bids will be received by Supervising Architect, Treasury Department, Washington, D. C., to construct (except elevator) U. S. Post Office and Court House at Prescott, Ariz. Building will be approximately 7400 sq. ft ground area; three-story and basement; fireproof; stone and brick facing, terra cotta trim. Plans obtainable from above on deposit of \$25, returnable.

See call for bids under official proposal section in this issue.

RESIDENCES

Plans Being Figured—Bids Close July 8, 2 P. M.

ANNEX Cost, \$—
BERKELEY, Alameda Co., Cal. California School For Blind.

One-story frame annex to boys' residence (reinforced concrete foundations, stucco exterior and tile roof; cover area of 2900 sq. ft.)

Owner—State of California.

Architect—George B. McDougall, State Architect, Public Works Bldg., Sacramento.

See call for bids under official proposal section in this issue.

Correction—Construction Indefinitely Postponed.

RESIDENCE Cost, \$8500
LOS ALTOS, Santa Clara Co., Cal. Two-story frame and stucco residence. Owner—Mrs. H. A. Kunz, 2265 Larkin St., San Francisco.

Architect—Pring & Lesswing, 605 Market St., San Francisco.

Low Bidder—J. W. Cabbage, Military Way, Palo Alto.

Previously reported as being awarded which was in error.

Contract Awarded.
RESIDENCE Cost, \$15,000

SAN RAFAEL, Marin Co., Cal. Two-story frame and stucco residence

Owner—H. M. Rutgers.

Architect—N. W. Sexton, deYoung Bldg., San Francisco.

Contractor—Otis H. Smith, Freitas Bldg., San Rafael.

Plans Being Prepared.
RESIDENCE Cost, \$15,000

BERKELEY, Alameda Co., Cal. North Cromgmont.

Two-story frame and stucco residence (Mediterranean type).

Owner—Withheld.

Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, \$318,863

HILLSBOROUGH, San Mateo Co., Cal. Two-story and basement reinforced concrete residence.

Owner—W. W. Crocker, Crocker First National Bank Bldg., San Francisco.

Architect—Arthur Brown, Jr., 251 Kearny St., San Francisco.

Contractor—George Wagner, Inc., 181 South Park, San Francisco.

Plans Being Prepared.
RESIDENCE Cost, \$25,000

PALO ALTO, Santa Clara Co., Calif. Two-story frame and stucco residence

(9 rooms and 4 baths).

Owner—Name Withheld.

Architect—Birge M. Clark, 310 University Ave., Palo Alto.

Plans will be ready for bids in about two weeks.

Low Bidder.
RESIDENCE Cost, \$8500

LOS ALTOS, Santa Clara Co., Cal. Two-story frame and stucco residence.

Owner—Mrs. H. A. Kunz, 2265 Larkin St., San Francisco.

Architect—Pring & Lesswing, 605 Market St., San Francisco.

Low Bidder—J. W. Cabbage, Military Way, Palo Alto.

Construction is temporarily held up.

Plans Being Figured By Selected List of Contractors.

RESIDENCE Cost, \$—
HILLSBOROUGH, San Mateo Co., Cal. Two-story frame and stucco residence.

Owner—Major A. J. Watson, 165 Warren Road, San Mateo.

Architect—E. Musson Sharp, 525 Market St., San Francisco.

Bids Rejected—New Bids Being Taken
RESIDENCE Cost, \$12,000

SAN FRANCISCO. Noe Street near 24th Street.

Two-story and basement frame and stucco residence (8 rooms).

Owner—P. C. Fisher, % Edwards & Schary, architects, 605 Market St.

Plans by Owner.

Previous bids received were rejected, as they ran too high.

Sub-Bids Wanted.
RESIDENCE Cost, \$20,000

OAKLAND, Alameda Co., Cal. Claremont Pines.

Two-story brick veneer residence (12 rooms).

Owner and Builder—J. M. Walker, 1709 Grove St., Berkeley.

Plans by Owner.

Sub-bids are wanted on electrical work, plumbing, tile work and plastering.

WOODLAND, Yolo Co., Cal.—M. L. Stille, Woodland, at \$10,000 has contract and started erection of a Spanish type residence for Charles Mast at Elm and Cross Streets.

Contract Awarded.
SECTION HOUSE Cost, \$6840

MORAGA, Contra Costa Co., Cal. Standard section house and concrete

septic tank, etc.

Owner—Sacramento Northern Railway, 11th and I Sts., Sacramento.

Architect—Eng. Dept. of Owner.

Contractor—Logan Kay, 530 Vine St., San Jose.

Plans Being Figured.
RESIDENCE Cost, \$10,000

SAN JOSE, Santa Clara Co., Cal. One-story frame and stucco residence

Owner—O. A. Harlan.

Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Bids will be taken for a general contract.

General Bids To Be Taken Within One Week.

RESIDENCE Cost, \$20,000

SAN FRANCISCO. Pacific Avenue. Two-story brick veneer residence.

Owner—Mrs. E. Lent, 2100 Jackson St.

Architect—Erle J. Osborne, Balboa Building.

Preparing Working Drawings.
RESIDENCE Cost, \$—

BERKELEY, Alameda Co., Calif. Two-story frame and stucco residence

(8 rooms).

Owner—Withheld.

Architect—Swartz & Ryland, Spazier Bldg., Monterey; 373 Main St., Salinas, and Brix Bldg., Fresno.

Bids will be taken in about 3 weeks.

Plans Being Prepared.
RESIDENCES Cost, \$250,000

Lynwood, Los Angeles Co., Cal. Century Square.

75 frame and stucco residences (5 rooms each).

Owner—Bagger & De Witt, Shirley Ave. and Elm St., Century Square

Architect—Withheld.

Contractor—W. A. Newton, Century Square.

Sub-Bids Being Taken.
RESIDENCE Cost, \$18,500

SAN MATEO, San Mateo Co., Cal. Baywood Tract.

Two-story frame and stucco residence (9 rooms and 3 baths).

Owner—Herbert A. Thayer.

Plans by Grimes & Schoenling, Balovich Bldg., San Mateo.

Contractor—Buschke & Johnson, 233 Third St., San Mateo.

Preparing Preliminary Plans.
RESIDENCE Cost, \$15,000

SACRAMENTO, Sacramento Co., Cal. 15th Street.

Two-story brick veneer residence.

Owner—Chas. H. Carter, 1373 42nd Ave., Sacramento.

Architect—Chas. F. Dean (formerly of Dean & Dean), California State Life Bldg., Sacramento.

Bids Opened.
RESIDENCE Cost, \$7000

SAN JOSE, Santa Clara Co., Cal. One-story frame and stucco residence

Owner—E. Locke

Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Following is a complete list of bids:

Howard Walsh, San Jose.....\$7190

C. F. Keesling, San Jose.....7232

R. M. Reese, San Jose.....7495

C. J. Smith, San Jose.....7900

H. Bolvin, San Jose.....7975

D. F. Carpenter, San Jose.....7976

Bids held under advisement.

Plans Being Figured—Bids Close June 23rd.
RESIDENCE Cost, \$30,000
HEALDSBURG, Sonoma Co., Cal.
 Two-story brick veneer residence.
 Owner—O. A. White.
 Architect—Erle J. Osborne, Balboa Bldg., San Francisco.

Bids Opened.
RESIDENCE Cost, \$15,000
PIEDMONT, Alameda Co., Cal. Sheridan Avenue.
 Two-story frame and stucco residence with terra cotta tile roof.
 Owner—Bert Jones.
 Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Following is a complete list of bids:
Jensen & Pedersen, 343 Adelme St., Berkeley \$12,375 00
T. D. Courtright, Oakland..... 14,200 00
Gordon Marchant, Oakland..... 14,490 00
Herbert Henderson, Oakland 14,649 00
Thos. F. Furlong, Oakland, 14,780 00
B. F. Woolley, Oakland..... 14,840 00
William Lyons, Oakland..... 15,283 70
Alex. Wieben, Oakland..... 16,200 00
 Bids held under advisement.*

Sub-Contracts Awarded.
RESIDENCE Cont. Price, \$21,923
SAN FRANCISCO, N Lake St. W Funston Ave.
 Two-story and basement frame and stucco residence.
 Owner—H. B. Allen, Inc., 168 Sutter St., San Francisco.
 Architect—Hyman & Appleton, 68 Post St., San Francisco.
 Contractor—Jacks & Irvine, 74 New Montgomery St., San Francisco.
Grading—Piombo Bros. & Co, 1269 14th Ave., San Francisco.
Plumbing—J. J. McLeod, 1246 Golden Gate Ave., San Francisco.
Plastering—Robert Starrett, 227 13th St., San Francisco.
Electric Work—Atlas Elec. & Eng. Co., 343 4th St., San Francisco.
Glass—Tyre Bros., 666 Townsend St., San Francisco.
 As previously reported, heating awarded to E. Sugarman, 3624 Geary St., S. F., at \$2695.

To Be Done By Day's Work By Owner
RESIDENCE Cost, \$6500
MARTINEZ, Contra Costa Co., Calif.
 Talbier and Green
 One-story frame and stucco residence (5 rooms).
 Owner and Builder—O. A. Wickman, 1320 Albina, Berkeley.
 Plans by Owner.

Completing Plans.
RESIDENCE Cost, \$11,500
SAN FRANCISCO, Darien Way and San Alito.
 Two-story and basement frame and stucco residence (8 rooms, 2 baths)
 Owner—A. J. Herzig, 1945 Ocean Ave.
 Plans by D. E. Jaekle, Cal Bldg.
 Sub-bids will be taken in one week.

Contract Awarded.
RESIDENCE Cost, \$18,000
SANTA CLARA, Santa Clara Co.
 Two-story frame and stucco residence (11 rooms).
 Owner—Mr. McAllister.
 Architect—A. A. Cantin, 544 Market St., San Francisco
 Contractor—J. C. Monk, Los Gatos.

Sub-Bids Being Taken
RESIDENCE Cost, \$5000
FAIRFAX, Marin Co., Cal. Bothin Rd.
 One-story rustic residence (5 rooms).
 Owner—Mrs. Charlotte M. Peters.
 Plans by J. M. Walker.
 Contractor—J. M. Walker, 1709 Grove St., Berkeley.
 Sub-bids are wanted on stone, concrete, electrical work, plumbing and roofing.

Sub-Contracts Awarded.
RESIDENCE Cost, \$18,000
SAN JOSE, Santa Clara Co., Calif.
 Margaret and 15th Sts.
 Two-story frame and stucco residence (10 rooms).
 Owner—Doctor G. L. Barry, Medical-Dental Bldg., San Jose.
 Architect—Warren Skillings, American Trust Bldg., San Jose.
 Contractor—G. M. Latta, 157 Rhodes St., San Jose.
Structural Steel, Miscellaneous and Ornamental Iron—San Jose Iron Works, 335 W San Carlos St., San Jose.

Bids Opened—Held Under Advisement
RESIDENCE Cost, \$—
HILLSBOROUGH, San Mateo Co.
 Two-story frame and stucco residence (10 rooms).
 Owner—J. D. Romfield.
 Architect—Farr & Ward, 68 Post St., San Francisco.

Sub-Bids Wanted.
RESIDENCE Cost, \$—
WOODSIDE, San Mateo Co., Cal.
 One-story frame and stucco residence (12 rooms).
 Owner—Leon Sloss Jr., 2700 Broadway, San Francisco.
 Architect—W. W. Wurster, 260 California St., San Francisco
 Contractor—Moore & Madsen, 557 Market St., San Francisco.
Lumber—Sudden Lumber Co., Evans and Quint Sts., San Francisco.
Plumbing and Sheet Metal—Christiansen & Anderson, Palo Alto.
 Sub-bids are wanted on electrical work, mill work and plastering.

To Be Done By Day's Work.
RESIDENCES Cost each \$6000
SAN FRANCISCO, S Rockdale W Reposa Sts.
 Four 1-story and basement frame and stucco residences.
 Owner and Builder—Meyer Bros., 727 Potlata Drive.
 Architect—None.

Plans Being Prepared.
RESIDENCE Cost approx. \$50,000
PALO ALTO, Santa Clara Co., Calif.
 Outside city limits.
 Two-story frame, hollow tile and stucco residence (12 rooms).
 Owner—Name Withheld.
 Plans by George E. Koster, 2355 Leavenworth St., San Francisco.

Preparing Plans.
RESIDENCES Each approx. \$12,000
SANTA ROSA, Sonoma Co., Calif.
 Six 2-story frame and stucco residences.
 Owner—Thos. J. Proctor, Santa Rosa.
 Plans by George E. Koster, 2355 Leavenworth St., San Francisco.

Segregated Bids Being Taken.
RESIDENCE Cost, \$250,000
SANTA MONICA, Los Angeles Co.
 Two-story reinforced concrete residence (17 rooms, swimming pool, golf course, tennis courts, aviation field, etc.)
 Owner—S. C. Hawkins, 669 S. Orange Drive, Los Angeles
 Architect—Vincent Palmer, 5419 W. Sixth St., Los Angeles.
 Supt. of Constr.—H. E. Shudde, 5318 Romaine St., Los Angeles.

SCHOOLS

Bids To Be Asked Shortly.
SCHOOL Cost, \$22,000
KAWEAH, Tulare Co., Cal.
 Brick school (3 classrooms).
 Owner—Kaweah Grammar School District
 Architect—Not given.

Preparing Working Drawings.
SCHOOL Cost, \$20,000
WESTLEY, Stanislaus Co., Calif.
 One-story class C brick or concrete elementary school (Spanish type).
 Owner—Westley Grammar School District.
 Architect—Davis - Pearce Co., Grant and Weber Sts., Stockton.
 Plans will be ready for bids in sixty days.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$—
NAPA, Napa Co., Cal. Outside city limits.
 Reinforced concrete parochial school.
 Owner—Christian Bros. School, Martinez.
 Architect—H. A. Minton, Bank of Italy Bldg., San Francisco.

RICHMOND, Contra Costa Co., Cal.
 —Until June 19, 10:15 A. M., bids will be received by W. T. Helms, secretary, Richmond Union High School District, Lincoln School, 235 10th St., for painting of certain school buildings.
 Specifications obtainable from above office. Certified check of 10% payable to secretary required with bid.

RICHMOND, Contra Costa Co., Cal.
 —Until June 19, 10 A. M., bids will be received by W. T. Helms, clerk, Richmond School District, Lincoln School, 235 10th St., for painting certain school buildings.
 Specifications obtainable from above office. Certified check of 10% payable to clerk required with bid.

Low Bidders.
SCHOOL Cost, \$129,377
SIERRA MADRE, Los Angeles Co.
 Reinforced concrete grammar school (50x200 ft.)
 Owner—Sierra Madre City School District.
 Architect—Marsh, Smith & Powell, Architects Bldg., Los Angeles
 Contractor—J. F. Kohler, 932 S. Rimpaw Blvd., Los Angeles.
Painting—R. E. Swan, \$4740.
 \$10,842
Painting—R. E. Swan, 04740.
Electric—American Elec. Co., \$13,956

Plans Completed.
SCHOOL Cost, \$30,000
 (Bonds voted to finance)
SANTA CRUZ, Santa Cruz Co., Cal.
 (Gault School).
 One-story concrete school.
 Owner—Santa Cruz School District.
 Architect—A. I. Coffey, Phelan Bldg., San Francisco.
 Bids will be advertised for shortly.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$230,000
VALLEJO, Solano Co., Calif.
 Class C brick or concrete junior high school.
 Owner—Vallejo Jr. High School Dist.
 Architect—Davis - Pearce Co., Grant and Weber Sts., Stockton.
 Bond election will be held shortly to finance construction.

Contract Awarded.
SCHOOL Cost, \$123,088
SIERRA MADRE, Los Angeles Co.
 Reinforced concrete school (16 rooms kindergarten, etc.)
 Owner—Sierra Madre City School District.
 Architect—Marsh, Smith & Powell, Architects Bldg., Los Angeles.
 Contractor—J. C. Bannister, 419 Goodwin Ave., Los Angeles.

SAN LUIS OBISPO, Cal.—Charles Forbes, president of the local School Board, announces that additions will be made to Junior High School and the Hawthorne Elementary School during summer months. Cost, \$55,000.

Contracts Awarded.

SCHOOL Cost, \$—
SAN JOSE, Santa Clara Co., Calif.
 Two-story reinforced concrete school.
 Owner—San Jose Board of Education.
 Architect—J. J. Donovan, 1916 Broadway, Oakland.

General Work
 W. J. Oechs, Box 328 San Jose, \$179,443.
Electrical Work
 Gilbert Bros., 286 W Santa Clara St., San Jose, \$8092.

Plumbing
 A. J. Peters, San Jose, \$20,322.
Heating
 Pacific Heating and Ventilating Co., \$23,350.

Roofing
 W. J. Porter, 1229 W San Carlos St., San Jose, \$5548.

Glass
 Cobbledick-Kilbe Glass Co., 660 Howard St., San Francisco, \$2447.

Plastering
 S. Greenbach, Hearst Bldg., San Francisco, \$23,500.

Painting
 Patterson Bros., 494 36th St., Oakland, \$9300.

Sheet Metal
 Wm. Ehler, 954 Alameda St., San Jose, \$11,592.

Window Shades
 McKinley & Glans, 88 E Santa Clara St., San Jose, \$1111.

Ornamental Iron
 R. Hellwig Iron Works, San Jose, \$2,020.

Encoustic Tile
 Rigney Tile Co., 3012 Harrison Street, Oakland, \$7147.

Hardware
 San Jose Hardware Co., 56 W San Fernando St., San Jose, \$5007.

Construction Under Way.
ALTERATIONS Cost, \$12,000
SAN FRANCISCO, 3010 Clay St.
 Alterations to front of 3-story frame school.
 Owner—S. H. Stokes, 3010 Clay St.
 Architect—B. C. Corbett, 1700 Pacific Avenue
 Contractor—Mattcock and Feasey, 210 Clara Street.

Preparing Plans.
SCHOOL Cost, \$—
LOS GATOS, Santa Clara Co., Cal.
 Two-story reinforced concrete school
 Owner—Montezuma Mountain School
 Prof. Rogers, Principal).
 Archt.—Requa & Jackson, Bank of Italy Bldg., San Diego.
 It will have stucco exterior and asbestos tile roof. Mr. Requa will take bids at the school next week.

Plans Being Figured—Bids Close
 June 21, 2 P. M.
SCHOOL Cost, \$35,000
 (In bonds voted to finance)
FORTUNA, Humboldt Co., Cal.
 One-story concrete school.
 Owner—Fortuna School District.
 Architect—N. R. Coulter, 46 Kearny St., San Francisco.

Bids will be opened at the office of the present school at Fortuna. All bids must be accompanied by certified check in an amount of not less than 10% of the total bid made payable to Clerk, J. E. Hosier. Plans obtainable from Clerk of the Board at Fortuna, or Architect Norman R. Coulter, 46 Kearny St., San Francisco. Board of Trustees reserves the right to reject any or all bids.

OROVILLE, Butte Co., Cal.—Until June 20, 4 P. M., bids will be received by H. S. Hills, president, Board of Education, for furnishing miscellaneous school supplies. Separate bids will be received for janitors' and playground supplies. Specifications obtainable from above. Certified check of 25% must accompany bid.

Bids Opened.

SCHOOL Cost, \$80,000
SANTA CRUZ, Santa Cruz Co., Calif.
 One-story frame and stucco school (7 classrooms and assembly hall).
 Owner—Santa Cruz School District.
 Architect—W. H. Weeks, Hunter-Dulin Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 Following is a complete list of bids:

General Contract
 Alt. No. 1, frame construction; (2) concrete construction.
 The Minton Co., Palo Alto, (1) \$59,997; (2) \$62,039.
 J. J. Grodum, Alameda, (1) \$63,700; (2) \$65,890.
 Palmer & Balsinger, Santa Cruz, (1) \$64,245; (2) \$65,475.
 Carl N. Swensen, San Jose, (1) \$64,586; (2) \$65,950.
 J. W. Cobby & Son, San Francisco, (1) \$65,480; (2) \$68,990.
 G. P. W. Jensen, San Francisco, (1) \$66,600; (2) \$66,950.
 J. Harold Johnson, San Francisco, (1) \$67,328; (2) \$68,478.
 N. H. Sjoberg, San Francisco, (1) \$70,272; (2) \$73,635.
 Sorensen & Haggmark, San Francisco, (1) \$71,500; (2) \$73,700.

Plumbing
 D. Cacace, Santa Cruz, \$4,787 (no certified check, personal).
 P. J. Freiermuth, Watsonville, \$5,400.
 General Plumbing Co., Oakland, \$5,434.
 Byrne Bros., Santa Cruz, \$5,680.
 Izant & Wilson, Santa Cruz, \$5,750.
 W. H. Picard, Inc., Oakland, \$5,876.

Heating
 General Plumbing Co., 4325 E 14th St., Oakland, \$13,325 (ded.) \$60, \$15,126.
 Pacific Heating & Ventilating Co., Oakland, \$13,300; (ded.) \$57, \$15,100.
 W. P. Serpa, San Jose \$13,337 (ded.) \$200, \$14,347.
 W. H. Picard, Inc., Oakland, \$13,515 (add) \$137, \$15,676.
 Knittle Bros., S. F., \$13,645; (ded.) \$250, \$15,343.
 W. K. Nottingham, Oakland, \$12,000, \$14,975.
 880; (add.) \$140, \$13,989.
 P. J. Freiermuth, Watsonville, \$13,997; (ded.) \$280, \$16,973.

Electrical
 Collins Electric Co., Stockton, \$5,561.
 Cardinal Electric Co., Palo Alto, \$5,745.
 P. L. Rosenberg, Oakland, \$5,793.
 John Holt, Santa Cruz, \$6,868.
 I. M. Smith, Santa Cruz, \$6,985.
 Carol & Searle, \$6,968.

Window Shades

D. N. & E. Walter, 562 Mission St., San Francisco, \$439.55.

Linoleum
 D. N. & E. Walter, 562 Mission St., San Francisco, \$1,081.50.

Kitchen Equipment
 Dohrman Hotel Supply Co., 972 Mission St., San Francisco, \$3,558.
 General Plumbing Co., Oakland, \$3,628.

Bids held under advisement.

Preparing Working Drawings.
BUILDING Cost, \$685,000
BERKELEY, Alameda Co., Cal. University of California campus.
 Group of class B buildings (College of Engineering).
 Owner—University of California.
 Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.
 Engineer—H. J. Brunner, Sharon Bldg., San Francisco.
 Group consists of 4-story class B main building (40,000 sq. ft.), 2-story Hesse Hall (8,000 sq. ft.) and 1-2- and 3-story laboratory (30,000 sq. ft.) Plans will be ready for bids within six weeks.

Plans Complete.
SCHOOL Cost, \$25,000
EMERYVILLE, Alameda Co., Calif.
 One-story brick elementary school.
 Owner—Emeryville School District.
 Plans by S. Arnold, Emeryville High School, Emeryville.
 Plans have been forwarded to department of school house planning for approval and upon return bids will be called for.

Plans Being Prepared.
SCHOOL Cost, \$110,000
BAKERSFIELD, Kern Co., Cal. California and F. Sts.
 Two-story brick school with the roof, terra cotta trim (12 classrooms, little theatre, study hall, etc.).
 Owner—Bakersfield School District.
 Architect—Chas. H. Biggar, Bank of Italy Bldg., Bakersfield.
 Plans are to be submitted June 14 to Board for approval.

EUREKA, Humboldt Co., Cal.—Goodman Brothers, San Francisco, awarded contract by Eureka High School District at \$1500 to furnish Pierce-Arrow school bus.

Plans To Be Prepared.
JUNIOR COLLEGE Cost, \$—
SANTA ROSA, Sonoma Co., Cal. Junior College.
 Junior College.
 Owner—Santa Rosa City School Dist.
 Architect Not Selected.

ORNAMENTAL WIRE AND IRON WORK

IRON WIRE

Fence and Gates

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Sub-Contracts Awarded.
SCHOOL Cont. Price, \$459,000
SAN FRANCISCO. Onondaga, Cay-
 uga, Otsego and Seneca Aves.
 Third unit of Balboa (South Side)
 high school, comprising auditor-
 ium of steel frame and reinforced
 concrete, and 4-story reinforced
 concrete Academic building with
 tile roof.
 Owner—City and County of San Fran-
 cisco.
 Architect—Bakewell & Weihe, 251
 Kearny St., San Francisco.
 Contractor—MacDonald & Kahn, Fi-
 nancial Center Bldg., S. F.
Excavation—Sibley Grading & Team-
 ing Co., 165 Landers St., S. F.
Reinforcing Steel—W. S. Wetenhall,
 17th and Wisconsin Sts., S. F.
Masonry—Reed & Reed, Hearst Bldg.,
 San Francisco.
Structural Steel—Judson Pacific Co.,
 609 Mission St., San Francisco.
Ornamental and Miscellaneous Iron—
 Monarch Iron Works, 262 7th St.,
 San Francisco.
Elevator Fronts—Rorderer Cornice
 Works, 209 Potrero Ave., S. F.
Elevators—S. F. Elevator Co., 860
 Folsom St., San Francisco.
Roofing—N. Clark & Son, 116 Natoma
 St., and H. & H. Roofing Co., 2734
 Army St., San Francisco.
Sheet Metal—Morrison & Co., 74 Du-
 boce Ave., San Francisco.
Blackboards—H. S. Crocker Co., 565
 Market St., San Francisco.
Cork Pinning Strip—C. F. Weber Co.,
 650 Second St., San Francisco
Finish Hardware—Palace Hardware
 Co., 531 Market St., San Francisco
Terrazzo Work—M. H. Gnecco & Co.,
 36 Wood St., San Francisco.
Marble—Vermont Marble Co., 244
 Brannan St., San Francisco.
Tile—Art Tile & Mantel Co., 221 Oak
 St., San Francisco.
Plastering—C. Berg, 719 45th Ave.,
 San Francisco.
Glass—Central Hardware & Glass Co.,
 638 Fourth St., San Francisco.
Painting—Aristo Painting Co., 475
 Bryant St., San Francisco.
Metal Partitions—Dwan & Co., 534
 Sixth St., San Francisco.
Lockers—Worley & Co., 39 Natoma
 St., San Francisco.
Mill Work—Anderson Bros. Planing
 Mill, Quint and Custer St., San
 Francisco.
Shades—D. N. & E. Walter Co., 562
 Mission St., San Francisco.
 As previously reported, mechanical
 equipment awarded to Scott Co., 243
 Minna St., at \$35,977; plumbing to H.
 Lawson, 465 Tehama St., at \$32,000;
 electric work to R. Flatland, 1899
 Mission St., at \$41,000.

Plans Being Figured—Bids Close July
 1st, 8 P. M.
SCHOOL Cost, \$40,000
McCLOUD, Siskiyou Co., Calif.
 One-story concrete school.
 Owner—Siskiyou Union High School
 District.
 Plans by Woodworth Wethered, State
 Hotel, 16 Turk St., San Francisco.
 Bids are being received by Board of
 Trustees at Yreka.

Commissioned To Prepare Plans
SCHOOL Cost, \$175,000
LOWELL, Arizona.
 Thirty-room school.
 Owner—Lowell School District.
 Architect—Lescher & Mahoney, Na-
 tional Bank of Arizona Bldg.,
 Phoenix.

Plans Being Figured—To Be Opened
 June 29
GYMNASIUMS Cost, \$—
COMPTON, Los Angeles Co., Cal.
 School Sites.

Five one-story frame and stucco
 gymnasiums.
 Owner—Compton Union High School
 District.
 Architect—Marsh, Smith & Powell,
 Architects Bldg., Los Angeles.

Bids Opened.
SCHOOL Cost, \$20,000
SAN JOSE, Santa Clara Co., Cal. The
 Alameda (Hester School).
 Steam heating plant at school.
 Owner—San Jose School District.
 Architect—Ralph Wyckoff, Growers
 Bank Bldg., San Jose.
 Following is a complete list of bids:
 O'Mara & Stewart, 218 Clara St.
 San Francisco \$14,150
 San Jose Heating & Vent. Co.,
 San Jose 14,444
 W. H. Picard, Oakland 15,469
 Wm. F. Serpa, San Jose 16,167
 M. J. Moenning, San Jose 17,655
 C. L. Snyder Co., San Jose 19,700
 Bids held under advisement.

Plans Being Figured—Bids Close July
 8, 2 P. M.
ANNEX TO SCHOOL Cost, \$—
BERKELEY, Alameda Co., Cal.
 California School For Blind.
 Two-story reinforced concrete annex
 to school, tile partitions, wood
 and tile roof (cover area of 10,000
 sq. ft.)
 Owner—State of California.
 Architect—George B. McDougall, State
 Architect, Public Works Bldg.,
 Sacramento.
 \$25 required for plans.
 See call for bids under official pro-
 posal section this issue.

Bids To Be Advertised In One Week.
ADDITION Cost, \$—
THORNTON, San Joaquin Co., Calif.
 Brick addition to grammar school (4
 classrooms).
 Owner—New Hope Grammar School
 District.
 Architect—W. J. Wright, Mall Bldg.,
 Stockton.

Contract Awarded.
SCHOOL Cost, \$—
SANTA ROSA, Sonoma Co., Cal. So.
 Park Section.
 One-story frame and stucco school
 with tile roof (3 rooms and audi-
 torium).
 Owner—City of Santa Rosa School
 District.
 Architect—Wm. Herbert, Rosenberg
 Bldg., Santa Rosa.
 Contractor—E. Ahlstrom, 311 7th St.,
 Santa Rosa.

Following is a complete list of bids:
 E. Ahlstrom, Santa Rosa \$ 9,381
 J. Lindsay 9,994
 D. Downie 9,999
 Petaluma Const. Co. 10,375
 W. F. Bohn 10,584

Plans Complete.
SCHOOL Cost, \$35,000
LUCERNE, Lake Co., Cal.
 Reinforced concrete grammar school.
 Owner—Lucerne School District.
 Architect—N. R. Coulter, 46 Kearny
 St., San Francisco.
 Bids will be advertised within one
 week.

Contract Awarded.
SCHOOL Cost, \$69,222
SAN DIMAS, Los Angeles Co., Cal.
 Cataract and Commercial Sts.
 One-story brick and concrete school
 (11 classrooms, etc).
 Owner—San Dimas Elementary School
 District.
 Architect—Marston & Maybury, 25 S.
 Euclid Ave., Pasadena.
 Contractor—Jules Market & Son,
 Builders' Exchange Bldg., Santa
 Ana.

Plans Being Figured—Bids Close July
 1st, 8 P. M.
HEATING Cost approx. \$3000
WEED, Siskiyou Co., Cal. High School.
 Steam heating system for high school.
 Owner—Siskiyou Union High School
 District.
 Plans by Woodworth Wethered, State
 Hotel, 16 Turk St., San Francisco.
 Bids are being received by Board of
 Trustees at Yreka.

BANKS, STORES & OFFICES

Contract Awarded.
ADDITION Cost, \$60,000
LOS ANGELES, Cal. No. 721 E.
 Washington Blvd.
 Two-story addition to Class A of-
 fices.
 Owner—Scully Bros.
 Engineer and Contractor—Ted R.
 Cooper Co., Western Pacific Bldg.,
 Los Angeles.

Preparing Working Drawings.
STORE Cost, \$60,000
OAKLAND, Alameda Co., Calif. NE
 Twentieth St. and Broadway.
 Two-story reinforced concrete store
 (83x90-ft.)
 Owner—R. H. Cross, Mills Bldg., San
 Francisco.
 Architect—Alben Froberg, Ray Bldg.,
 Oakland.
 Bids will be taken in about 3 weeks.

SAN FRANCISCO—The Western
 Motors Co. has leased the building
 on the northeast corner of Geary St.
 and Van Ness Ave. The entire build-
 ing will be used for automobile ser-
 vice and show rooms. What im-
 provements are to be made is not
 determined at this time. More definite
 information will be given shortly.

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Sub-Bids Being Taken.

ALTERATIONS Cost, \$30,000
BAKERSFIELD, Kern Co., Cal.

Southern Hotel Building,
 Alterations and additions to four-story
 Class C brick bank.

Owner—Bank of Italy.

Architect—H. A. Minton, Bank of
 Italy Bldg., Eddy and Powell Sts.,
 San Francisco.

Supt. of Constr.—E. P. Worley, Bank
 of Italy Bldg., San Francisco.

Work involves changing and en-
 larging bank quarters and installing
 refrigerating and ventilating system,
 bronze screens and Travertine marble
 work. Cost, \$50,000.

Bids Opened.

ADDITION Cost, \$9980
MARTINEZ, Contra Costa Co., Calif.
 Alhambra Ave.

One-story addition to store (50x50-ft.).
 Owner—Ralph Norton, Port Costa.
 Architect—Eng. Dept. of Lessee.

Lessee—J. C. Penney Company.

Low Bidder—Henry Brown, Oakland.

Other bidders were: Wallace Shel-
 grove, Richmond, \$10,020; Ben Hall,
 \$10,450; A. Jeffery, \$10,750 and O. K.
 Smith, \$11,900. T. J. Kennedy will be
 given the heating system contract.

Contract Awarded.

OFFICES Cost, \$10,000
BERKELEY, Alameda Co., Calif. 4th
 and Cedar Sts.

One-story frame and stucco offices.

Owner—Pacific Paint & Varnish Co.,
 4th and Cedar Sts., Berkeley.

Architect—Edwin L. Snyder, 4th and
 Cedar Sts., Berkeley.

Contractor—Beckett and Wight, 722
 Scenic Ave., Berkeley.

Additional Sub-Contracts Awarded.

BANK Cost, \$50,000
SAN FRANCISCO. Market Street nr.
 Third St.

One-story and mezzanine floor steel
 frame and concrete bank.

Owner—Alexander Boyd Est., Spreck-
 les Bldg.
 Architect—Hyman & Appleton, 68 Post
 Street.

Lessee—Morris Plan Co. of San Fran-
 cisco.

Contractor—Barrett & Hilt, 918 Har-
 rison St.

Plastering—Jas. Smith, 271 Minna St.
Sheet Metal—Western Furnace & Cor-
 ice Works, Lansing and Essex Sts.

Other awards reported May 24, 1930.

Contract Awarded.

OFFICES Cost, \$500,000
SACRAMENTO, Sacramento Co., Cal.
 NE Eighth and J Streets.

Twelve-story Class A steel frame,
 pressed brick and terra cotta of-
 fice building.

Owner—Group of San Francisco Cap-
 italists.

Architect—Coffman, Sahlgren & Staf-
 ford, Forum Bldg., Sacramento.

Contractor—Dinwiddie Constr. Co.,
 Crocker Bldg., San Francisco.

SAN FRANCISCO—Blum's Adver-
 tising Agency, 20 Jones St., has pur-
 chased a six-story and basement
 concrete building on the south line
 of Mission street 75 feet west of
 Fourth St. having a frontage of 40
 feet and depth of 160 feet. Type of
 improvements to be made is indefi-
 nite at this time.

Plans Completed.

ADDITIONS Cost, \$12,000
SAN FRANCISCO. S Harrison St. E
 Fourth St.

Two-story concrete addition to build-
 ing.

Owner—Milo Coffee Company.

Engineer & Builder—James Hjul, 128

Russ St., San Francisco.

Sub-bids will be taken in two weeks

Bids Opened—Held Under Advisement

STORE Cost, \$150,000
OAKLAND, Alameda Co., Cal. 20th
 St. and Broadway.

Three-story Class A store.

Owner—J. Magnin & Co., Grant Ave.
 and Geary St., San Francisco.

Architect—Weeks & Day, Financial

Center Bldg., San Francisco.

Announcement will be made with-
 in the next few days.

Plans Being Prepared.

BUILDING Cost, \$—

EUREKA, Humboldt Co., Cal. Fifth

St., bet. F and G Sts.

Two-story brick building.

Owner—W. P. Fuller & Co., 301 Mis-
 sion St., San Francisco.

Architect—Franklin T. Georgeson, 6th

and G Sts., Eureka.

Building will replace one recently
 destroyed by fire. Loss estimated at
 \$70,000.

Contract Awarded.

STORE Cost, \$10,000
BERKELEY, Alameda Co., Cal. Grove
 Street.

One-story brick store.

Owner—Albert H. Gage, 2534 Hille-
 gass St., Berkeley.

Architect—E. L. Snyder, 2101 Shattuck

Ave., Berkeley.

Contractor—W. E. Lyon, 354 Hobart

St., Oakland.

Lessee—Safeway Stores, Inc.

Additional Sub-Contracts Awarded.

OFFICES Cost, \$25,000
BERKELEY, Alameda Co., Cal. Shat-
 tuck Ave. near Center St.

One-story brick and terra cotta offices
 (41 ft. frontage).

Owner—Pacific States Savings & Loan
 Association.

Architect—Albert H. Roller, Crocker
 First National Bank Bldg., S. F.

Contractor—Barrett & Hilt, 918 Har-
 rison St., San Francisco.

Plastering—F. H. Donnelly, 3957 Oak-
 more Road, Oakland.

Marble—American Marble Co., 25 Co-
 lumbia Square, San Francisco.

As previously reported, lumber con-
 tract awarded to Tilden Lumber Co.,
 foot of University Ave., Berkeley;

brick work to P. C. Knudsen, 518 Bal-
 four, Oakland; ornamental iron to

Michel & Pfeiffer Iron Works, Harri-
 son and 19th Sts., San Francisco;

roofing to H. C. Brown Roofing Co.,
 3267 San Pablo Ave., Oakland; sheet

metal to Morrison & Co., 74 Duboce
 Ave., San Francisco; wrecking to Sym-
 on Bros. Wrecking Co.

Contract Awarded.

STUDIO Cost, \$60,000
WEST LOS ANGELES, Cal. Fox
 Hills

Steel frame and wood scene studio
 (290x72 feet).

Owner—William Fox Corp., West
 Los Angeles

Architect—W. Ada Hudson, 1328
 Santa Monica Blvd., Beverly Hills

Contractor—Jones Bros., 1328 Santa
 Monica Blvd., Beverly Hills.

Granite Contract Awarded.

BANK Cost, \$250,000
KLAMATH FALLS, Ore. Sixth and
 Main Streets.

Two-story and basement class A bank
 and (18) offices.

Owner—First National Bank.

Architect—H. H. Winner & Co., 580
 Market St., San Francisco.

Granite—California Cut Stone & Gran-
 ite Company.

As previously reported structural
 steel awarded to Judson Pacific Co.,
 609 Mission St., S. F.; terra cotta to

N. Clark & Son, 116 Natoma St., S. F.

Reinforcing steel, masonry, brick,
 roofing and membrane bids are still
 under advisement.

Architect Taking Sub-Bids.

STOREROOMS, ETC. Cost, \$—
WATERFORD, Stanislaus Co., Cal.
 Bentley and E Streets.

Two-story reinforced concrete build-
 ing (60x30 ft.) (4 storerooms and
 public hall).

Owner—Waterford Mercantile Co.

Architect—G. N. Hilburn, Modesto.

Contractor—Harvey Rebmam, Mo-
 desto.

Sub-Contracts Awarded.

STORE Cost, \$—
OAKLAND, Alameda Co., Calif. W
 Broadway bet. 17th and 19th Sts.

Four-story class A store building.

Owner—"Money Back" Smith, 12th &
 Washington Sts., Oakland.

Architect—Eng. Dept. of Lessee.

Lessee—F. W. Woolworth Co., Finan-
 cial Center Bldg., San Francisco.

As previously reported, brick work
 awarded to Reed & Reed, Hearst Bldg.,
 San Francisco; structural steel to Jud-
 son Pacific Co., 609 Mission St., San
 Francisco; excavation to Ariss-Knapp

Co., 961 41st St., Oakland; mill work
 to Anderson Bros. Planing Mill, Quint
 and Custer Sts., San Francisco; elec-
 tric work to Decker Elec. Co., 533 Bry-
 ant St., San Francisco; plumbing and
 heating to Newman Co.; glass to Tyre

Bros., 666 Townsend St., San Fran-
 cisco; tile to Rigney Tile Co., 3012 Har-
 rison St., Oakland.

Excavation Contract Awarded
STORE Cost, \$13,000
SAN FRANCISCO. 707 Clement St.

One-story and basement frame and
 stucco store.

Owner—F. W. Woolworth, Financial
 Center Bldg.

Architect—Eng. Dept. of Owner.

Contractor—McDonald & Kahn, Finan-
 cial Center Bldg.

Excavating—Sibley Grading & Team-
 ing Co., 165 Landers St.

Sub-Contracts Awarded.
HALLROOM Cost, \$100,000
OAKLAND, Alameda Co., Cal. Grand
 Ave. and Webster St.

Four-story steel frame and concrete
 hall room.

Owner—George Ebe, 3919 Angelo St.,
 Oakland.

Architect—Ray F. Keefer, 1723 Web-
 ster St., Oakland.

Lessee—Sweet's Ballroom.

Contractor—Jacobs and Pattiani, 337
 17th St., Oakland.

Excavating—J. Catucci, 1212 18th Ave.
 Oakland.

Elevator—Atlas Elevator Co., 34 Har-
 riet St., San Francisco.

Preparing Plans
RESTAURANT Cost, \$300,000
LOS ANGELES, Cal. Vine St., bet.
 Sunset and Hollywood Bldgs.

Two-story and basement masonry
 restaurant (50x150 feet).

Owner—Jacob Stern & Son.

Architect—Morgan, Walls & Cle-
 ments, Van Nuys Bldg., L. A.

Planned.
AUTO SALES BLDG Cost, \$—
LOS ANGELES, Cal. Wilshire Bldg.
 and Wilton Place.

Auto sales building (180x300 ft.)
 Owner—Frank Borzage, 3974 Wilshire
 Bldg., Los Angeles.

Architect—Not Selected.

Planned.
NEWSPAPER BLDG. Cost, \$—
LOS ANGELES, Cal. Not Selected.

Limit height Class A newspaper and
 office building.

Owner—Illustrated Daily News, 123
 E. Pico St., Los Angeles.

Architect—Gilbert Stanley Underwood,
 California Reserve Bldg., L. A.

SAN FRANCISCO—Bernstein's Fish Grotto, 123 Powell St., has leased for a period of 20 years the property in the west side of Powell St. 44 feet north of Ellis, improved with a two-story brick building with stores on the ground floor and loft above, and will expend \$100,000 in remodeling the structure.

Contract Awarded.
GROCERY STORE Cost, \$5000
MARTINEZ, Contra Costa Co., Cal.
Jones St. and Pacheco Blvd.
One-story frame and stucco grocery store (50x55 ft.)
Owner—S. B. Snead (Suntime Groceries).
Architect—W. C. Boseley, Premises.

Contract Awarded—Sub-Bids Being Taken.
SUPPLY STATION Cost, \$12,000
SAN FRANCISCO. NE Nineteenth Ave. and Irving Street.
One-story concrete auto supply station and one-story frame stores.
Owner—Richfield Oil Co. of Calif.
Plans by Owner.
Contractor—L. M. Bruce, 3553 Divisadero St., San Francisco.

Sub-Contracts Awarded.
ADDITIONS Cost, \$10,000
SAN FRANCISCO. N Post St. near Franklin St.
Additions to present building (interior work only).
Owner—L. Kreiss & Sons, Stockton and Sutter Sts.
Architect—None.
Contractor—Barrett & Hilp, 913 Harrison St.
Heating—Jas. H. Pinkerton, 927 Howard Street.
Electric and Plumbing Work—F. J. Klimm, 456 Ellis St.
Roofing—Alta Roofing Co., 976 Indiana.
Stairs—Parsons and Ode, 1215 Geary St.

THEATRES

Sub-Contracts Awarded.
ALTERATIONS Cost, \$12,000
DAILY CITY, San Mateo Co., Cal.
Mission and Flournoy Sts.
Alterations and additions to present theatre (add balcony, etc.)
Owner—Wittheld.
Architect—Clausen & Amades, Hearst Bldg., San Francisco.
Contractor—Anderson & Ringrose, 320 Market St., San Francisco.
Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.
Ornamental Iron—E. Kloeres & Co., 477 Clementina St., San Francisco

Plans Being Prepared.
THEATRE Cost, \$1,000,000
SPOKANE, Wash. Sprague and Monroe.
Seven-story class A theatre and offices (theatre to seat 2,500).
Owner—Fox West Coast Theatres.
Architect—R. C. Reamer, 1301 4th Ave. Seattle.

Plans Being Figured.
THEATRE Cost, \$275,000
POMONA, Los Angeles Co., Cal.
Third and Gary Streets.
Two-story Class A theatre (105x190 feet) (to seat 2000).
Owner—Fox West Coast Theatres, Pomona.
Architect—Balch & Stanberry, Film Exchange Bldg., Los Angeles.

Preliminary Plans Prepared.
THEATRE Cost, \$300,000
HUNTINGTON PARK, Los Angeles Co., Cal. Pacific Blvd.
Two-story Class A reinforced concrete theatre (to seat 2,300)

Owner—Welburn Mayock, 510 S. Spring St., Los Angeles.
Architect—Paul R. Williams, 3839 Wilshire Blvd., Los Angeles.
Lessee—Fox West Coast Theatres, Inc., Washington and Vermont Sts., Los Angeles.

Work On Plans Resumed.
THEATRE Cost, \$200,000
MERCED, Merced Co., Cal. Seventh and J Sts. (150x150 ft.)
Two-story class C steel frame and reinforced concrete theatre, stores and office building (theatre to seat 1700).
Owner—Golden State Theatres, Inc., 938 Market St., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
It is expected to start construction within three months.

Sub-Contracts Awarded.
THEATRE Cost, \$250,000
BAKERSFIELD, Kern Co., Cal.
Two-story Class A reinforced concrete theatre (to seat 2000; 150x125 feet).
Owner—Fox West Coast Theatres, Inc., Washington St. and Vermont Ave., Los Angeles.
Architect—C. Charles Lee, Petroleum Securities Bldg., Los Angeles.
Contractor—Henry I. Beller Constr. Co., 6513 Hollywood Blvd., Hollywood.

Sheet Metal—Gudlach Plumbing & Sheet Metal Co., Bakersfield.
Structural Steel—Western Pipe & Steel Co., 444 Market St., S. F.
Electric Wiring—Harlow Elec. Co., Bakersfield.
Bar Joists Grid Channels and Reinforcing Steel—Truscon Steel Co., Cal. Bldg., San Francisco.
Plumbing—Bakersfield Sandstone Brick Co., Bakersfield.
Placing Reinforcing Steel—M. C. Wagoner, Bakersfield.
Lumber and Cement—King Lumber Co., Bakersfield.
Concrete slab roof and floors, plaster exterior, tile and composition roofing, wrought and ornamental iron, structural steel, marble and tile work, carpeted floors, opera chairs, etc.

MISCELLANEOUS CONSTRUCTION

Preliminary Plans Being Prepared.
ADDITIONS Cost, \$100,000
BERKELEY, Alameda Co., Cal.
Classroom additions to Longfellow School.
Owner—Berkeley School District.
Architect—Jas. W. Plachek, Mercantile Bank Bldg., Berkeley.

Preparing Plans.
LAVATORIES Cost, \$6,000
SACRAMENTO, Sacramento Co., Cal.
McKinley Park, Wm. Land Park and City Plaza.
Three 1-story frame lavatories.
Owner—City of Sacramento.
Architect—Chas. F. Dean (formerly of Dean & Dean), California State Life Bldg., Sacramento.

To Be Done By Day's Work.
UNDERTAKING PARLOR \$10,000
FRESNO, Fresno Co., Cal. No. 1136 A Street.
Undertaking parlor.
Owner and Builder—J. J. Weyland, 3619 Platt St., Fresno.
Architect—None.

Contract Awarded.
SAFETY ISLANDS Cost, \$—
SAN FRANCISCO. Bayshore Blvd. at Silver and Paul Aves.
Safety Islands.

Owner—City & County of San Francisco.
Plans by Bureau of Engineering Department of Public Works, Third Floor, City Hall.
Contractor—E. Flatland, San Francisco, at \$2088.

Bids Rejected.
STATION Cost, \$4500
OAKLAND, Alameda Co., Cal. Foot of Fifth Ave. (Corporation Yard).
Service station and class C concrete laboratory.
Owner—City of Oakland.
Plans by Owner.
New bids will be called for at a later date.

Following are the bids previously submitted:
(1) laboratory; (2) service station.
Practice Const. Co., 2063 Webster St. Oakland, (1) \$3350; (2) \$3750.
Jacobs & Pattiani, Oakland, (1) \$5,440; (2) \$4870.
J. B. Bishop, Oakland, (1) \$5662; (2) \$5996.

SACRAMENTO, Cal.—City Manager Jas. Dean authorized to spend \$6000 in installation of lavatories in McKinley Park, William Land Park and City Plaza, \$3250, \$1750 and \$1000 respectively.

Contract Awarded.
RAILWAY STATION Cost, \$85,000
LE GRANDE, Oregon.
Two-story Class C brick railway station and offices.
Owner—Union Pacific Railway.
Architect—Gilbert Stanley Underwood, California Reserve Bldg., Los Angeles.
Contractor—Tranchell & Perlelius, Worcester Bldg., Portland, Ore.
The main floor of building will be occupied by depot, waiting rooms and lavatories; the second floor will contain Union Pacific Railway offices. Plans call for Class C brick construction, terra cotta trim, brick exterior, shingle or asbestos tile roofing, steel sash, etc.

Contract Awarded.
MORTUARY Cost, \$100,000
LOS ANGELES, Cal. No. 1000 Venice Blvd.
Two-story and basement frame mortuary.
Owner—Anna L. Stein.
Architect—Merrill & Wilson, Petroleum Securities Bldg., L. A.
Lessee—Edwards Bros., 1000 Venice Blvd., Los Angeles.
Contractor—C. C. Henry, 171 S. Westlake Ave., Los Angeles.
Summerbell roof trusses will be used

HAYWARD, Alameda Co., Calif.—Brookshire Country Club plans laying out an 18-hole golf course in addition to constructing several tennis courts on the club grounds.

RESEDA, Los Angeles Co., Calif.—Until 10 A. M., June 18, new bids will be received by city purchasing agent, Thomas Oughton, for construction of a swimming pool, with appurtenant buildings of frame and stucco, at 18,411 Victory Blvd., Reseda. Pool will be 150x50-ft. with two sections, each varying in depth from 2 to 9 ft. Frame and stucco buildings will be built at each end of pool, one to contain office, shower baths and pergola; the other, filter system and men's and women's toilets. Bids will be taken on: General, spec. 2076; Plumbing and filter system, spec. 2077. Bids received May 7 have been rejected.

Engineering News Section

BRIDGES

SISKIYOU COUNTY, Cal.—Until July 2, 2 P. M., bids will be received by State Highway Commission to construct a reinforced concrete girder bridge across the Klamath River about 10 miles north of Yreka, consisting of four 80-ft. spans and two 72-ft. spans on concrete piers.

See call for bids under official proposal section in this issue.

SAN CARLOS, San Mateo Co., Cal.—City votes bonds of \$14,000 to finance construction of four culverts across Fulgas Creek and for a bridge over Cordilleras Creek connecting Redwood City with the White Oaks Tract. The latter structure will be financed jointly by the city of San Carlos and Redwood City.

REDDING, Shasta Co., Calif.—Until June 23, bids will be received by county supervisors to construct wood bridge over Cow Creek on the Eldridge ranch. Plans obtainable from county surveyor at Redding.

OAKLAND, Calif.—Immediate construction of a \$205,000 subway beneath the Southern Pacific grade crossing at Seventh Street has been ordered by the State Railroad Commission. The order directs the Southern Pacific to construct the subway within nine months and further directs that the city of Oakland pay one-half the cost, increasing taxes for the purpose, if necessary.

COLUSA COUNTY, Cal.—Until July 2, 2 P. M., bids will be received by State Highway Commission to construct a reinforced concrete girder bridge over Bear Creek about 23 miles west of Williams, consisting of seven 31-ft. spans on concrete bents.

See call for bids under official proposal section in this issue.

OLYMPIA, Wash.—L. Coluccio, 1638 Lane St., Seattle, at \$235,508 submitted low bid to State Highway Commission to construct approaches, piers for flanking spans and other work in connection with the Aurora Avenue bridge over the north arm of Lake Union. Contract includes construction of five land piers and approximately 845 ft. of reinforced concrete viaduct.

SISKIYOU COUNTY, Cal.—As previously reported, bids will be received July 2 by State Highway Commission to construct reinforced concrete girder bridge across Klamath river, about 10 miles north of Yreka, consisting of four 80-ft. spans and two 72-ft. spans on concrete piers. Project involves: 880 cu. yds. structure excavation; 80 cu. yds. class A Portland cem. conc. (placed by tremie); 1165 cu. yds. class A Portland cem. conc. (structure); 610 cu. yds. class B Portland cem. conc.; 34 cu. yds. class E Portland cem. conc.; 268,000 lbs. reinf. steel; 1 lot miscellaneous items of work.

COLUSA COUNTY, Cal.—As previously reported, bids will be received July 2 by State Highway Commission to construct reinforced concrete girder

bridge across Bear Creek, about 23 miles west of Williams, consisting of seven 31-ft. spans on concrete bents. Project involves: 300 cu. yds. structure excav.; 76 cu. yds. class A Portland cem. conc. (placed by tremie); 444 cu. yds. class A Portland cem. conc. (structure); 36,000 lbs. reinf. steel; 1000 lbs. bronze expansion plates; 500 lin. ft. timber guard rail; 1 lot miscellaneous items of work.

SISKIYOU COUNTY, Cal.—As previously reported, bids will be received July 2 by State Highway Commission to construct reinforced concrete bridge across Shasta River, about 7½ miles north of Yreka (11-Sis-3-C), consisting of two 200-ft. open spandrel arch spans, two 40-ft. girder spans and two 32-ft. girder spans. Project involves: 1675 cu. yds. structure excavation; 475 cu. yds. class A Portland cement concrete (placed by tremie); 1235 cu. yds. class A Portland cement concrete (structure); 375 cu. yds. class B Portland cement concrete; 830 cu. yds. class E Portland cement concrete; 48 cu. yds. class E Portland cement concrete; 365,000 lbs. reinf. steel; 1 lot miscellaneous items of work.

OAKLAND, Alameda Co., Cal.—City Council declares intention (46646) to construct reinf. conc. pipe culverts and manholes in portions of culvert right of ways bet. Fenimlan Ave. and Suter St. Imp. Act 1911. Hearing June 26. F. C. Merritt, city clerk. W. E. Frickstad, city engineer.

SALINAS, Monterey Co., Cal.—Jacobs & Pattiani, 337 17th St., Oakland awarded contract at \$114,990 by Board of Supervisors to construct bridge over Salinas river 2 miles from Gonzales in Supervisor District No. 2; steel and concrete construction; 24 ft. roadway.

AMADOR-EL DORADO COUNTIES, Cal.—Following bids received June 11 by State Highway Commission to construct timber bridge across Cosumnes River about 10 miles south of El Dorado consisting of one 120 ft. through truss span on concrete piers and nine 19-ft. approach spans on frame bents with concrete pedestals, and approx. 0.14 mile of roadway to be graded and surfaced with untreated crushed gravel or stone:

C. Emil Force, Piedmont.....\$21,795
M. B. McGowan, San Francisco 32,191

NEVADA COUNTY, Cal.—Following bids received June 11 by State Highway Commission to construct overhead crossing over tracks of S. P. R. near Yuba Pass consisting of one 112 ft. deck plate girder span, one 66 ft. deck plate girder span, one 54 ft. deck plate girder span, all on concrete piers, and 279 lin. ft. timber trestle approach on framed bents and rubble masonry abutments:

Bodenhamer Constr. Co., San Diego.....\$55,751
Ward Engineering Co., S. F.....59,308
Lindgren & Swinerton, Inc., Sacramento.....54,453
M. B. McGowan, S. F.....60,593
P. E. Conley, S. F.....65,564

SHASTA COUNTY, Cal.—R. B. McKenzie, Red Bluff, awarded contract by State Highway Commission at \$12,544 to construct timber bridge over Salt Creek about 15 miles east of Redding, consisting of one 60-ft. pony truss span on concrete piers and six 13-ft. approach spans on frame bents with concrete pedestals.

NEVADA COUNTY, Cal.—Following bids received June 11 by State Highway Commission to construct reinforced girder bridge across South Fork of Yuba River near Indian Springs consisting of one 70-ft. span and one 30-ft. span on concrete pier and concrete abutments with wing walls:

Alturas Constr. Co., Sacto.....\$13,935
M. B. McGowan, San Francisco 16,741
Ward Eng. Co., San Francisco 17,355
P. E. Conley, San Francisco.....18,110

DREDGING, HARBOR WORKS & EXCAVATIONS

LONG BEACH, Cal.—Proposal to grant the Neptune Pier Co. a 35-year franchise for constructing extensions and additions to the existing pier, at a cost of probably \$1,500,000, carried at the election June 3. The new pier will be 1464 feet in length of solid fill type. The width will be 378 feet. The proposed work will involve the following:

60,000 tons rock rip-rap (rock in sizes from 500 lbs. to 20 tons).
650,000 cu. yds. hydraulic fill;
2,000 tons steel;
9,000 cu. yds. concrete;
70,000 lin. ft. wood piling for boat landings and anchors;
sewers, gas mains, water mains and lighting system;
sheet steel pile bulkhead.

The buildings on the pier will represent an additional million dollars;

SACRAMENTO CO., Calif.—Following bids received June 5 by State Department of Public Works, Division of Water Resources, Sacramento, to construct bank protection works on the left bank of the Sacramento river, one mile below Isleton, consisting of approximately 8000 cu. yds. of sand fill and 21,000 sq. ft. of 4-in. conc. pave:

O. G. Ritchie, San Jose.....\$7,208
Anderson & Shearer, Sacto.....7,586
Leonard Isham, Rio Vista.....8,755
M. B. McGowan, S. F.....9,040
Bids held under advisement.

MENDOCINO COUNTY, Cal.—Following bids received June 5 by State Department of Public Works, Division of Water Resources, Sacramento, to construct rock jetty or dyke 170 ft. long and containing approximately 2,000 cu. yds. of quarry rock, at the mouth of the Navarro river, 20 miles south of Fort Bragg:

Christie & Allen, Ft. Bragg.....\$ 4,575
C. R. Perkins, Ft. Bragg.....7,490
Robt. Heaney, Hayward.....8,750
W. C. Colley, Berkeley.....11,555

IRRIGATION PROJECTS

CALIFORNIA.—Following permits were granted by the State Department of Public Works, Division of Water Resources, during the month of May 1930, authorizing appropriation of water:

Permit 3470, Application 6368 (Inyo Co.) Issued for Pacific Sulphur Corp., Bishop, for 0.11 c.f.s. from Last Chance Springs for mining, milling and domestic water will not be returned to stream.

Per. 3471, App. 6341 (Tuolumne Co.) Jos. Brown, Chinese Camp, Calif., for 0.25 c.f.s. from Smarts Gulch for domestic and stockwatering. Est. cost \$550.

Per. 3472, App. 6429 (Humboldt Co.) C. M. Salyer, Salyer, Calif., for 125 c.f.s. from Campbell Creek for mining. Est. cost \$91,000.

Per. 3473, App. 6566 (San Bernardino Co.) Christian Baumann, Phelan, Cal., for 0.035 c.f.s. from 4 unnamed springs for domestic and recreational uses. Est. cost \$2,500.

Per. 3474, App. 6520 (Los Angeles Co.) Candido Herrere, San Fernando, for 0.037 c.f.s. from Muerte Canyon (underground water) for irrigation and domestic use on 1 acre. Est. cost \$2,000.

Per. 3475, App. 6565 (Los Angeles Co.) I. A. Sharp, Palmdale, for 0.025 c.f.s. from Deer spring for irrigation and domestic use on 2 acres. Est. cost \$425.

Per. 3476, App. 6567 (Del Norte Co.) Frank Symms, Crescent City, for 0.91 c.f.s. from unnamed creek for domestic purposes. Est. cost \$200.

Per. 3477, App. 6549 (Eldorado Co.) L. T. Butts, Placerville, for 0.12 c.f.s. from Emigrant ravine creek for irrigation on 10 acres. Est. cost \$500.

Per. 3478, App. 6576 (Amador Co.) E. T. Bamert, Clements, Calif., for 1.25 c.f.s. from Mokelumne river, for irrigation on 100 acres. Est. cost \$4,000.

Per. 3479, App. 6587 (Contra Costa Co.) H. R. Vail, Oakland, for 37 c.f.s. from Old River, Dredger Cut and Italian Slough for irrigation on 253.90 acres. Est. cost \$10,000.

Per. 3480, App. 6406 (Los Angeles Co.) Big Rock Ranch Co., Los Angeles for 6,000 acre feet per annum from Big Rock Creek, surface and underground for irrigation and domestic use on 2520 acres. Est. cost \$150,000.

Per. 3481, App. 6583 (Eldorado Co.) Pacific Gas & Elec. Co., San Francisco for 1 c.f.s. from Alder Creek for power purposes. Est. cost \$25,000.

Per. 3482, App. 6588 (San Joaquin Co.) American Trust Co., San Francisco, for 1.75 c.f.s. from Stanislaus river for irrigation on 140 acres. Est. cost \$2500.

Per. 3483, App. 6539 (San Joaquin Co.) H. R. Russell, Modesto, for 1.91 c.f.s. from Drainage or waste ditch of Oakdale Irrigation District draining through natural depression for irrigation on 153 acres. Est. cost \$50.

Per. 3484, App. 4214 (Inyo Co.) Burnham Chemical Co., Westend, Calif., for 0.02 cu. ft. per sec. from 2 springs for domestic and mining use. Est. cost \$50,000.

Per. 3485, App. 4498 (Inyo Co.) Burnham Chemical Co., Westend, Calif., for 0.09 c.f.s. from Homewood Spring for domestic and mining use. Est. cost \$35,000.

Per. 3486, App. 5555 (Inyo Co.) Burnham Chemical Co., Westend, Calif., for 0.065 c.f.s. from 2 springs and 12 underground water developments in Farns and Burnett Canyon for domestic and mining use. Est. cost \$10,000.

Per. 3487, App. 5932 (Inyo Co.) American Potash & Chemical Corp., Trona, Calif., for 0.0337 c.f.s. from Avalon Springs for industrial, domestic and mining use. Est. cost \$10,800.

Per. 3488, App. 5933 (Inyo Co.) American Potash & Chemical Corp., Trona, Calif., for 0.11 c.f.s. from Avalon Wash for industrial, domestic and mining use. Est. cost \$960.

Per. 3489, App. 5934 (Inyo Co.) American Potash & Chemical Corp., Trona, Calif., for .011 c.f.s. from Pot Hole Spring, for industrial, domestic and mining use. Est. cost \$840.

Per. 3490, App. 4973 (Inyo Co.) Engineers Exploration Corp., Los Angeles, for .006 c.f.s. from Bainter Spring, for domestic and mining use. Est. cost \$1500.

Per. 3491, App. 5998 (Inyo Co.) Nelle E. Dean, Pasadena, for .025 c.f.s. from Sweepstakes Spring for mining and domestic use. Est. cost \$3,000.

CALIFORNIA—Following is a list of applications filed with the State Department of Public Works, Division of Water Resources, during the month of May, 1930, seeking permits to appropriate water:

Appl. 6665 (Modoc Co.) Cedarville Civic Club, % Mrs. Ray Hill, Pres., Cedarville, Calif., for 0.75 c. f. s. from Quail Creek Spring tributary to Deep Creek for domestic and municipal purposes. Est. cost \$10,000.

Appl. 6666 (Trinity Co.) Morris Group Gold Mining Co., % H. W. Brannan, Burnt Ranch, Calif., for 10 c. f. s. from Clark Creek tributary to Etterpoom Creek, S. Fork Trinity River, for mining and domestic purposes. Est. cost, \$2500.

Appl. 6667 (San Diego Co.) Hallam C. Stone, Box 534, El Cajon, Calif., for 0.5 c. f. s. from Campo Creek, also underground water tributary to Tecate River for irrigation and domestic purposes on 70 acres. Est. cost, \$5000

Appl. 6668 (El Dorado Co.) A. Carlson, Camino, Calif., for 0.5 c. f. s. from waste and seepage water

CALIFORNIA—Following is a list tributary to North Canyon, tributary to South Fork American River for irrigation and domestic purposes on 70 acres. Est. cost \$2000.

Appl. 6669 (San Bernardino Co.) Geneva Catherine Baxter, Victorville, Lucerne Valley, Calif., for 0.26 or approximately 104 miners inches from Deep Creek Canyon and six unnamed springs tributary to Mojave Desert for irrigation and domestic purposes on 20 acres.

Appl. 6670 (Sutter Co.) H. S. Fasig and W. H. Saylor, Knights Landing, Calif., for 3.46 c. f. s. from Sacramento River tributary to Suisun Bay, for irrigation purposes on 276.81 acres. Est. cost, \$4000.

Appl. 6671 (Butte Co.) Charles M. Lee, Rt. 1, Box 197A, Oroville, Calif., for .5 c. f. s. from Cottonwood Creek tributary to Sacramento River for domestic and recreational purposes. Est. cost \$25.

Appl. 6672 (Colusa Co.) Colusa Development Co., A corporation, % Thos. Rutledge, Colusa, Calif., for 9.87 c. f. s. from Sacramento River, tributary to Suisun Bay for irrigation and domestic purposes on 787.7 acres. Est. cost \$20,000.

Appl. 6673 (Riverside Co.) Motor Transit Terminal Corns. 1005 S. Mateo St., Los Angeles, Calif., 0.75 c. f. s. from a pond for irrigation purposes on 30 acres. Est. cost \$200.

Appl. 6674 (Mono Co.) L. L. Alauzet, 3925 W. 23rd St., Los Angeles, Calif., for 200 gallons per day from Lower Rock Creek tributary to Owens River for domestic purposes. Est. cost, \$250.

Appl. 6675 (Sierra Co.) Charles E. Herron, % Geo. F. Taylor, Downville, Calif., for 25 c. f. s. from Good-year Creek tributary to North Fork of Yuba River for mining purposes.

Appl. 6676 (San Bernardino Co.) The Mojave River Irrigation District, % Meserve, Mumper, Hughes & Robertson, 615 Richfield Bldg., Los Angeles, for 30,000 acre feet per annum from Deep Creek and West Fork Mojave River, tributary to Mojave River for irrigation purposes on 26,873.36 acres.

Appl. 6677 (Modoc Co.) Russell M. Bushey, Calby, Calif., for .12 c. f. s. from an unnamed stream tributary to Pit River watershed for irrigation and domestic purposes on 10 acres. Est. cost \$5.

Appl. 6678 (Sacramento Co.) G. H. Moreland, Rt. 6, Box 4320, Sacramento, for 0.3 c. f. s. from Dry Creek tributary to Sacramento River for irrigation purposes on 24.4 acres. Est. cost \$500.

Appl. 6679 (El Dorado Co.) Sierra Camps, Inc., Frank Kleiberger, Pres., of University of Calif., Berkeley, for 0.1 c. f. s. from Ralston Creek (tributary to Upper Echo Lake for recreational and domestic use. Est. cost \$200.

Appl. 6680 (El Dorado Co.) H. V. Madden, Placerville, .25 c. f. s. and 3 acre feet per annum, from Emigrant Ravine tributary to Hangtown Creek and S. F. & K. American River for irrigation purposes on 35 acres. Est. cost \$2000.

Appl. 6681 (Modoc Co.) C. C. Jones, Cedarville, Calif., for 1.63 c. f. s. from Steamboat Creek tributary to Middle Alkali Lake for irrigation purposes on 130 acres.

Appl. 6682 (Lake Co.) Martin Judge Jr., and Company, Crocker First National Bank Bldg., San Francisco, for 250 c. f. s. and 175,000 acre feet per annum from North Fork Cache Creek, tributary to Cache Creek for industrial and domestic purposes. Est. cost, \$3,000,000.

Appl. 6683 (Lake Co.) Martin Judge Jr. & Co., Crocker First National Bank Bldg., San Francisco, for 175,000 acre feet per annum, from North Fork of Cache Creek tributary to Cache Creek, for irrigation purposes on 50,000 acres. Est. cost \$1,000,000.

Appl. 6684 (Fresno Co.) Sherley De Vine, Dunlap, for .01 c. f. s. from an unnamed spring tributary to Mill Creek thence Kings River for irrigation and domestic purposes on 1 acre. Est. cost \$250.

Appl. 6685 (El Dorado Co.) J. S. Goldie, 1600 39th St., Sacramento, for 400 gallons per day from an unnamed creek tributary to South Fork of American River for domestic purposes. Est. cost \$200.

Appl. 6686 (Mono Co.) Clifford E. Brodie, 750 Central Ave., Los Angeles, for 200 gallons per day from Rock Creek tributary to Owens River for domestic purposes. Est. cost \$175.

Appl. 6687 (San Bernardino Co.) Stanley Visel, 145 N. Broadway, Suite 200, Los Angeles, for 446 gallons per day, from an unnamed spring for domestic purposes. Est. cost, \$300.

Appl. 6688 (Mono Co.) E. A. Montgomery, % Fred S. Smith, Bishop, for 0.065 c. f. s. from an unnamed spring, tributary to an unnamed watershed, thence Hammit Valley, thence Owens River, for mining, milling and domestic purposes.

Appl. 6689 (Nevada Co.) South Yuba Company, Ltd., 552 Holbrook Bldg., San Francisco, 50 c. f. s. from South Yuba River tributary to Yuba River for mining purposes. Est. cost \$10,000.

STREET LIGHTING SYSTEMS

FRESNO, Fresno Co., Cal.—Walker & Martin, Los Angeles, awarded contract at \$16,144 by city (102-D) to install lighting system in Fresno St. bet. O and Divisadero Sts.; Howard St. bet. Fresno and Divisadero Sts.; portions of Divisadero and Fresno Sts., involving installation of 76 electric lights, together with underground system.

Standards of combination steel and cast iron, single lamp. Engineer's estimate \$19,590.

SANTA CRUZ, Santa Cruz Co., Cal.—Proceedings have been started by city council to widen and install electric lighting system on Pacific Ave.

MACHINERY AND EQUIPMENT

EUREKA, Humboldt Co., Cal.—Merced-Braser Company, Eureka, at \$3,000 awarded contract by city council to furnish and deliver a portable asphalt plant for street department.

EUREKA, Humboldt Co., Cal.—Jewett-Rhodes Co., Eureka, at \$650, less \$100 for truck no longer required, awarded contract by city council to furnish Chevrolet dump truck for street department.

POMONA, Cal.—Until June 24, 12 noon, bids will be received by H. A. Leigh, city clerk, to furnish one steel dump body truck with 3-ton chassis. Further information obtainable from clerk.

KING CITY, Monterey Co., Cal.—Following bids received by city trustees to furnish and deliver truck for street department:

Cornell Tractor Co., Red Super-Tonner, with 1½ yard bed, steel dump body and hydraulic hoist, \$1,788.30. Model F D Red Super-Tonner speed wagon with 1½ yard steel dump body and hand hoist with two-speed gear for light or heavy body, \$1,575.

El Camino Garage, Model AA yard truck chassis with closed cab and wood 1½ to 2 yard dump body, equipped with hydraulic hoist, \$1,055.

King City Mercantile Co., International Harvester six-speed special 1-ton truck; equipped with St. Paul un-derbody, hydraulic hoist, 1½ yard combined steel body, \$1,575; same equipped with dual rear tires, \$1,710.

Bids taken under advisement.

BIGGS, Butte Co., Cal.—Until June 18, noon, bids will be received by L. E. Reynolds, clerk, Biggs Union High School District, to furnish new motor school bus, 30 to 36 passenger. Specifications and further information obtainable from above.

MARICOPA, Kern Co., Cal.—Until June 30, 7:30 P. M., bids will be received by C. B. Warner, clerk, Maricopa High School District, to furnish a two-ton truck chassis with body, capacity 36 to 40 passengers. Bidders to consider truck now in use. Specifications obtainable from above.

RAILROADS

SACRAMENTO, Calif.—Sacramento Northern Railway has applied to Interstate Commerce Commission to construct extension to "Holland Line" from point 0.6-mile north from the south boundary of Yolo county SE and south to point near town of Ryde on Grand Island, a distance of approximately 8.30-miles, all in Yolo and Sacramento counties.

FIRE EQUIPMENT

MARYSVILLE, Yuba Co., Calif.—American-LaFrance Fire Engine Co. awarded contract at \$10,500 by city council to build and deliver a 750-gallon pumper and hose body fire engine for Fire Department. An allowance of \$2000 has been made for the old chemical rig now in use.

CARMEL, Monterey Co., Cal.—Until July 2 bids will be received by City Council to deliver 750-gallon combination fire engine and pumper, fully equipped, to be delivered within 120 days. Further information obtainable from above.

MISCELLANEOUS SUPPLIES AND MATERIALS

SAN LEANDRO, Alameda Co., Cal.—Until July 2, 8 P. M., bids will be received by E. F. Hutchings, city clerk for supplying city with rock and screenings for year ending June 30, 1931. Specifications obtainable from city engineer. Certified check of \$1,000 payable to city of San Leandro, required.

OAKLAND, Alameda Co., Cal.—Bids are being received by J. E. Hazard, secretary, City of Oakland Port Commission, for 660 ft. of 4 ft. wire fencing, to be furnished at the Oakland Airport.

SANTA ANA, Orange Co., Cal.—Until June 23, 7:30 P. M., bids will be received by E. L. Vegely, city clerk, to furnish gasoline for one year from July 1. Certified check of 10% required with bid.

LOS ANGELES, Cal.—Until 2 P. M., June 30, bids will be received by the county supervisors for supplying re-inforced steel for Marshall Canyon Storm Drain bed. Foothill Blvd. and Base Line Road, near La Verne, involving 64,200 lbs. reinf. steel, f.o.b. site of work in vicinity of Foothill Blvd., near Flery Ave., near La Verne, involving: 1000 lbs. ¾-in. sq. deformed; 100 lbs. 5-8-in. sq. deformed; 40,000 lbs. ½-in. and 23,000 lbs. ¾-in. sq. deformed; 100 lbs. 1-4-in. sq. deformed. Mame B. Beatty, 303 Hall of Records, clerk of the board.

NEVADA COUNTY, Cal.—Until June 25, 10 A. M., bids will be received by State Department of Public Works, 502 State Office Bldg., Sacramento, to furnish 7820 lineal feet of laminated timber guard rail at various locations between one and one-half (1.5) miles West of Boca and Iceland, (III-Nev-38-A-B).

See call for bids under official proposal section this issue.

FRESNO, Fresno Co., Cal.—Until June 19, 1030 A. M., bids will be received by H. S. Foster, city clerk, to furnish Mazda Incandescent Lamps for term beginning July 1, 1930 to June 30, 1930. Certified check of \$500 payable to city required with bid. Further information obtainable from above.

LOS ANGELES, Cal.—Consolidated Rock Products Co., 656 S Los Angeles submitted only bid to the county supervisors June 9, at \$2.20 per ton for furnishing and delivering rock for flood control mattress as follows:

(1) 5000 tons rock, delivered as required at any point on Los Angeles river or tributaries between Glendale-Hypocrite St. bridge and the foot of the mountains;

(2) 5000 tons rock, delivered as required on San Gabriel River or tributaries between Whittier Blvd. and the mountains. E. C. Eaton is the chief engineer.

PIPE LINES, WELLS, ETC.

EUREKA, Humboldt Co., Calif.—W. S. Salvage, Eureka, at \$770 awarded contract by city council to sink three new wells at Hawthorne and Broadway streets in connection with municipal water system; approx. 80 ft. depth.

SEWERS AND SEWAGE DISPOSAL PLANTS

UKIAH, Mendocino Co., Cal.—Following list of bids submitted to city council to construct sewers in Cypress Avenue and Clay Street involving 5,500 feet of sewer. Bidders are: Oakland Construction Company, \$3,393; J. J. Angaro, Fairfax, \$3,730; H. E. Conner, Redwood City, \$4,495; H. H. Salls, Ukiah, \$5,138; Y. Di Zillo, Oakland, \$5,133; Ukiah Plumbing and Heating Company, \$5,430; C. W. Crowden, San Francisco, \$5,523; Gladding - McBean Company, San Francisco, \$1,122 (pipe only).

MODESTO, Stanislaus Co., Calif.—Until June 25, 7:30 P. M., bids will be received by H. E. Gragg, city clerk, to furnish and deliver one sewage clarifier and one sludge pump, as follows:

(1) One sewage clarifier mechanism shall be Dorr, Hardinge or equal, suitable to fit a substantially square or circular reservoir having a surface area of not less than 2950 square feet and a side solution depth of 70-ft., 0-inch when filled and provide a minimum solution capacity of 20650 cubic feet. The bottom slope shall not be less than 1:12. The clarifier mechanism shall be provided with an automatic scum skimmer which will operate continuously in such a manner to keep the tank surface free of greases and floating matter. Clarifier mechanism and scum skimmer must be of an approved type.

(2) One Duplex sewage sludge pump shall be either diaphragm or plunger type constant displacement sludge pump of an approved type. It shall be capable of delivering not less than 80 g.p.m. of thick sewage sludge against a maximum pressure of 20 lbs. per sq. in.

Certified check 10% payable to Mayor or required with bid. Further information obtainable from Frank J. Rossi city engineer.

GLENDALE, Los Angeles Co., Cal.—Until June 19, 10 A. M., bids will be received by city council to construct an ornamental street lighting system in Arden Ave., Burchett St. and Patterson Ave., Estelle Ave. and other streets, involving single-light concrete standards. 1911 Act. C. E. Chapman, city clerk.

LOS ANGELES, Cal.—Until 10 A. M. June 25, bids will be received by the board of public works for constructing a vitrified clay pipe sanitary sewer in right of way south of Cove Ave. between Apex Ave. and Silver Lake Blvd., and certain streets in right of way south of Cove Ave. and right of way south of Ewing St.

STOCKTON, San Joaquin Co., Cal.—City Council declares intention (\$45) to construct sewer system in East Main Street involving sanitary sewer system; wye branches; manhole with automatic flush tank; manholes without automatic flush tanks. Improvement Act 1911—Hearing June 23. M. E. Page, city clerk.

PALO ALTO, San Mateo Co., Cal. City Council has started proceedings to improve California Avenue from Alma Street to El Camino Real, involving widening of roadway 66 feet between curbs, sidewalks, and an electroliner system.

WATER WORKS

SUNNYSIDE, Santa Clara Co., Cal.—E. J. Mattocks, San Jose, awarded contract by city trustees to drill well for municipal water sys-

tem. Bids to furnish and install pump were rejected.

SAN FRANCISCO—Food Machinery Company submitted low bid at \$344 to city purchasing agent to furnish and deliver 16 deep well turbine pumps for Municipal Water Department. The three low bidders were: Food Machinery Company (J. Bean Co.) \$344; Woodin & Little, \$913; Hubbard Ma. chinery Co., \$359.

SAN FRANCISCO.—Following bids received under Proposal No. 599 to furnish and deliver 2,200 ft. 16-in. and 3,100 ft. 12-in. cast iron pipe, cement lined, for Municipal Water Department; Central Foundry Co., (1) \$254; (2) \$153; American Cast Iron Co., (1) \$.....; (2) \$149; National Cast Iron Co., (1) \$264; (2) \$155; U. S. Pipe Co., (1) \$.....; (2) \$246.

PLAYGROUNDS & PARKS

OROVILLE, Butte Co., Cal.—Until June 20, 4 P. M., bids will be received by H. S. Hills, president, Board of Education, for furnishing miscellaneous school supplies. Separate bids will be received for janitors' and playground supplies. Specifications obtainable from above. Certified check of 25% must accompany bid.

STREETS AND HIGHWAYS

SAN RAFAEL, Marin Co., Calif.—Highway Builders, 640 Redhill Ave., San Anselmo, awarded contract at 2c sq. ft. by county supervisors to improve two sections of Lower Novato-Black Point Road; Section 1, beginning ½ mile east of Railroad Ave. and extending east 1 mile; Section 2, beginning at Black Point Cut-Off and extending north 1.4 miles, involving: 230,000 sq. ft. emulsified asphalt and screenings in place.

CHANDLER, Arizona—Until June 18, bids will be received by city council for paving ten blocks of city streets involving: About 21,245 sq. yds. Bids will be called on five alternative types: 4-in and 6-in. Bitumel asphalt; 4-in and 6-in. Warrentite-bitulithic; 6-in. concrete. Gutters and curbs are included. F. V. Munro is representing the engineers, Welland Engineering Company of Pueblo, Colo.

SONOMA COUNTY, Cal.—A. Teichert & Son, Sacramento, awarded contract at \$2280 by State Highway Commission to furnish and apply asphaltic road oil on 3.9 miles between Beltane and Shellville.

WILLOW GLEN, Santa Clara Co., Cal.—San Jose Paving Co., San Jose, awarded contract at \$13,190 by City Council (53) to improve portions of Bird Ave. involving grading; 1½-in. Durite asph. conc. surf. p/ave on 3-in. asph. conc. base; cem. conc. walks, curbs, gutters; corr. galv. iron culverts; cem. conc. pipe culverts.

SONOMA AND MENDOCINO COUNTIES, Cal.—A. Teichert & Son, Sacramento, awarded contract at \$6975 by State Highway Commission to furnish and apply asphaltic road oil on 12.5 miles between Cloverdale and Hopland.

CARSON CITY, Nevada—Until 2:30 P. M., June 18, bids will be received by the Department of Highways, State of Nevada, Heroes Memorial

Bldg., Carson City, for furnishing of asphaltic fuel oil and applying it to a crushed rock or crushed gravel surface on a portion of the state highway system in Nevada. The work will consist of furnishing, heating and applying asphaltic fuel oil on a portion of the state highway system in Douglas County from Minden to 3.4 miles north, Rte. 3, Section C-1, a length of 3.4 miles. Certified check, 5%. Plans may be obtained from the state highway engineer, S. C. Durkee. The work involves: 63,623 gals. asphaltic fuel oil applied to roadway surface.

SAN FRANCISCO.—Following bids received under Proposal No. 600 by City Purchasing Agent to furnish and deliver welded steel pipe (or cast iron pipe of equal strength as an alternate) size 20-in. for Municipal Water Department, 5000-ft. made from ¾-in. plates; 5300-ft. made from 3/16-in. plates. Bidders are Western Pipe & Machinery Company (1) \$2.65; (2) \$2.24 Montague Pipe & Steel Co., (1) \$2.90, (2) \$2.32; Alternate-National Cast Iron Pipe Co., (1) \$4.12, (2) \$3.33; Central Foundry Co., (1) \$3.92, (2) \$3.72; U. S. Pipe & Steel Co., (1) \$3.73; (2) \$3.46.

PLUMAS COUNTY, Calif.—Isabella Const. Co., Fresno, submitted low bid at \$74,469 to U. S. Bureau of Public Roads, 461 Market St., San Francisco, to grade and surface 3.35 miles on Sections C and D of Route 23, Quincy-Beech with National Forest Highway.

List of bidders follows:

Isabella Const. Co., Fresno.....	\$ 74,469
Tiffany-McReynolds & Folling,	
San Jose	76,451
Finnell Co., Inc., Sacramento.....	85,521
G. Pollock Co., Sacramento.....	85,806
Hemstreet & Bell, Marysville.....	87,570
Charles Harlowe, Jr., Oakland.....	91,249
Tiesla Bros., Berkeley.....	93,219
O. A. Lindberg, Stockton.....	103,599
Engineer's estimate	98,737

NAPA, Napa Co., Cal.—R. E. Errington awarded contract by city council (534) to construct cement concrete sidewalks in portions of Georgia St. The only other bid submitted was from F. Gaggero.

SAN LEANDRO, Alameda Co., Cal.—Until July 2, 8 P. M., bids will be received by E. F. Hutchings, city clerk for supplying city with rock and screenings for year ending June 30, 1931. Specifications obtainable from city engineer. Certified check of \$1,000 payable to city of San Leandro, required.

SANTA CRUZ, Santa Cruz Co., Cal.—Proceedings have been started by city council to widen and install electrolight lighting system on Pacific Ave.

RICHMOND, Contra Costa Co., Cal.—Proceedings have been started by city council to create lighting district on Tenth St. from Lucas to Cutting Blvd.

SAN RAFAEL, Marin Co., Cal.—S. J. Harless, San Rafael, awarded contract at \$4,030.12 by city council (496) to improve Sixth St. bet. Cottage Ave. and E St., etc., involving: 13,552 sq. ft. 4-in. stone sub-base; 13,552 sq. ft. 4-in. asph. conc. pave.; 1,212 lin. ft. 3x6-in. r.w. header board; 52 lin. ft. conc. curb and gutter; 2 catchbasins.

LOS ANGELES, Cal.—Until 2 P. M., June 30, bids will be received by county supervisors for improving Anaheim-Telegraph Road from 9th St. to

Atlantic Ave. A. & I. No. 202, near Belvedere, 5800 lin. ft. or 1.10 miles, involving: 13,913 cu. yds. excav.; 10,258 ft. 6x10x18-in. curb; 62,636 sq. ft. walk; 15,766 sq. ft. 6-in. gutter; 100 sq. ft. 8-in. gutter; 190,190 sq. ft. 10-7-7-10-in. conc. pave.; 58,985 sq. ft. 8-in. conc. pave.; 249,175 sq. ft. 6-in. D. R. sub-base; one catchbasin, No. 2; 2 catchbasins, No. 3; 13 catchbasins, No. 6; 2 junction chambers, No. 2; manhole frame No. 3 with cover No. 4 and remodel basin; 575 ft. 16-in. heavy reinf. conc. pipe; light system complete; 1290 ft. 8-in. cem. sewer; 2330 ft. 8-in. cem. sewer with cradle; 1450 ft. 6-in. cem. hse. sewers; one flushing manhole; 12 manholes; one special manhole; one junction chamber; 16 ft. ¾-in. red brass pipe extension to water main. Est. contract price, \$146,785.

BUTTE COUNTY, Calif.—Granfield, Farrar and Carlin, San Francisco, awarded contract by State Highway Commission at \$248,528 to grade 1.8 miles between Eardees Creek and Pul. ga. 23

SHASTA & LASSEN COUNTIES, Cal.—Mathews Const. Co., Sacramento awarded contract by State Highway Commission at \$278,251 to grade and surface with untreated crushed gravel or stone 17.9 miles between Fall River Mills and Big Valley. 23

PALO ALTO, Santa Clara Co., Cal.—N. M. Ball, 1889 Yosemite St., Oakland, submitted low bid to city council at \$2,059 to construct sidewalks on portions of Ramona and Alma Streets and California Ave., involving hydraulic concrete sidewalks. 23

OAKLAND, Alameda Co., Calif.—Hutchinson Company, Oakland, awarded contract by City Council at \$3,587 to construct grade crossing at end of 77th Ave. and the beginning of the Hegenberger road, entry to the Municipal Airport. 28

LOS ANGELES, Cal.—A. O. Nelson, 126 N. Huntington Drive, Pasadena, awarded contract by county supervisors at \$27,229 for improvement in Castle Road, from Michigan Ave to Palm Drive and Cross Street.

LOS ANGELES, Cal.—Geo. H. Oswald, 366 E. Fifty-eighth St., submitted only bid to county supervisors at \$94,454 for improving 116th St., from Central Ave. to Alameda St.

SAN FRANCISCO—A. J. Ralsch, 46 Kearny St., awarded contract by State Board of Harbor Commissioners for sidewalk repairs along the Embarcadero, involving 10,500 sq. ft. 1½" Tokopa on 3¼" binder and 400 sq. ft. 4" cement sidewalk. Frank White, Ferry Bldg., Engineer. Following is a complete list of bids:

A. J. Ralsch (1) 24c; (2) 12c.	
Fay Improvement Co. (1) 26 9/10c; (2) 16c.	
Pacific States Constr. Co., (1) 26 9/10c; (2) 19c.	

LOS ANGELES COUNTY, Cal.—Following bids received June 11 by State Highway Commission to grade and pave with asphaltic concrete 1.0 mile between Citrus Avenue and Glendora: Griffith Co., Los Angeles.....\$36,319 P. J. Akmadzich, Los Angeles 50,115

PALO ALTO, San Mateo Co., Cal. City Council has started proceedings to improve California Avenue from Alma Street to El Camino Real, involving widening of roadway 66 feet between curbs, sidewalks, and an electrolight system.

SANTA CLARA COUNTY, Cal.—Following bids received June 11 by State Highway Commission to grade and pave 4.9 miles between San Antonio Ave. and Sunnyvale with Portland cement concrete and asphalt concrete:

Hanrahan Co., S. F.	\$204,904
Union Paving Co., S. F.	208,986
A. J. Raisch, San Jose.	213,751
N. M. Ball, Porterville.	210,045
Central California Roads Co., Oakland	233,386

ELDORADO COUNTY, Calif.—Until July 8, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, to grade 2.82 miles and surface 5.14 miles of Section C, Route 22, Placerville-Lake Tahoe National Forest Highway, Eldorado National Forest, in Eldorado county, involving:

- 21 acres clearing;
- 61,194 cu. yds. unclass. excav.;
- 700 cu. yds. struc. excav.;
- 26,000 sta. yds. overhaul;
- 2.32 ml. fine grading, subgrade and shoulder;
- 14,000 cu. yds. crushed rock surf.;
- 700 cu. yds. supplemental crushed rock;
- 107 cu. yds. cem. rubble masonry;
- 1,950 lin. ft. C. M. pipe in place;
- 200 lin. ft. 6-in. porous tile under-drain in place;
- 1.04 miles move and reset fence;
- 53 night of way monuments;
- 2,550 cu. yds. coarse screenings;
- 1,050 cu. yds. fine screenings;
- maintenance of detours, estimated cost, \$2,000.

Plans obtainable from above office on deposit of \$10, checks for same to be made payable to Federal Reserve Bank of San Francisco.

HUMBOLDT COUNTY, Calif.—As previously reported, bids will be received July 2 by State Highway Commission to grade and pave with cem. concrete 0.6-mil. bet. $\frac{1}{2}$ -mile south of Eureka and Eureka. Project involves: 5600 cu. yds. rdwy. excav. without class.; 62,00 sta. yds. overhaul; 25 cu. yds. struc. excav.; 410 cu. yds. cushion course; 1500 sq. yds. prepare subgrade; 1200 cu. yds. class A Port. cem. conc. (pave.); 2 cu. yds. class A Port. cem. conc. (struc.); 30,600 lbs. bar reinf. steel (pave. and struc.); 114 lin. ft. 18-in. and 40 lin. ft. 24-in. corr. metal pipe; 370 cu. yds. screened gravel shoulders and road approaches; 90 cu. yds. remove existing conc. pave.; 30 sta. finish rdwy.; 6 each, monuments complete in place. State will furnish corr. metal pipe.

MARIN COUNTY, Calif.—Granfield, Farrar and Carlin, San Francisco, at \$94,892 awarded contract by State Highway Commission to surface with bituminous macadam 4.4 miles bet. San Rafael and Alto, involving 4000

cu. yds. roadway excavation without class.; 28,900 tons crusher run base; 100,000 sta. yds. overhaul; 9450 tons broken stone; 650 tons emulsified asphalt; 5085 lin. ft. laminated timber guard rail; 225 sta. finishing roadway.

SHASTA COUNTY, Calif.—As previously reported, bids will be received July 2 by State Highway Commission for seal coat and bituminous surface treatment on 35.3-miles in Shasta County. Project involves: 4500 cu. yds. screenings, placing; 432 tons asphalt road oil; 213 bbls. fuel oil. State will furnish screenings.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch, 46 Kearny St., San Francisco, awarded contract by city (4725) to imp. Vendome Ave., bet. Lenzen Ave. and Hobson St., involving grade; $1\frac{1}{2}$ -in. asph. conc. surface on $2\frac{1}{2}$ -in. asph. conc. base pave.; 4-in. vit. pipe sewer laterals; cem. conc. walks; conc. curb, gutter.

PERSHING COUNTY, Nevada.—As previously reported, bids will be received by State Highway Commission to furnish and apply asphaltic fuel oil with crushed rock or gravel on 22.4 miles from Woolsey to two miles south of Humboldt House, involving: 443,484 gals. asph. fuel oil applied to roadway surface; 22.4 miles mixing oil with crushed rock or crushed gravel surface; 22.4 miles rebuilding and finishing shoulders.

GILROY, Santa Clara Co., Calif.—City Council declares intention (31) to improve Hanna St., First St., Alexander St., Forest St. and Dowdy St., involving grading; asphaltic concrete pavement; cement concrete curbs, gutters, and sidewalks; storm water sewer. Imp. Act 1915. Bond Act 1911. Hearing July 7. E. F. Rogers, city clerk. Raymond W. Fisher, city eng.

SALINAS, Monterey Co., Cal.—Until July 7, 2 P. M., bids will be received by C. F. Joy, County Clerk, to surface portion of Mud Flat Road beginning at Watsonville-Salinas Rd. in Supervisor District No. 1. Specifications obtainable from Howard Cozzens, county surveyor, on deposit of \$20, returnable

MONTEREY COUNTY, Cal.—Granite Constr. Co., Watsonville, awarded contract at \$257,532.74 by Board of Supervisors to grade and pave the Salinas-Watsonville Rd. from Salinas to Old Toll Road near Watsonville Junction, in Supervisor Districts 1 and 2. Other bids received were: Peninsula Paving Co., \$258,822; W. A. Dotanville, Salinas, \$253,869.

SANTA CRUZ, Santa Cruz Co., Cal.—J. L. Connor awarded contract by county supervisors to grade and pave

Mount Herman Road. Previously reported being done by day's work under supervision of County Surveyor Lloyd Bowman.

MANHATTAN BEACH, Los Angeles Co., Cal.—Eltzinger T. Brown, 300 Petroleum Securities Bldg., Los Angeles, awarded contract by city council at \$26,967.58 for improving E Railroad Drive bet. 15th St. and Pacific Ave., under 1911 Act, involving: 20,596 cu. yds. excavation; 106,954 sq. ft. 4-inch macadam pave.; 9877 ft. 2x12-in. R. W. headers; L. C. Hull, city engineer, 1127 W. Washington St., Los Angeles.

MANHATTAN BEACH, Los Angeles Co., Cal.—John R. Davies, Santee St., was awarded contract by the city council for constructing a lighting system in 26th St., Highland Ave. and other streets, under 1911 Act. L. C. Hull, city engineer, 1127 W. Washington St., Los Angeles.

SALINAS, Monterey Co., Cal.—Until July 7, 2 P. M., bids will be received by C. F. Joy, County Clerk, to surface portion of San Miguel Canyon Road from Lake School to intersection of Aromas and Watsonville-San Juan Roads in Supervisor District No. 1. Specifications obtainable from Howard Cozzens, County Surveyor, on deposit of \$20, returnable

LOS ANGELES, Cal.—Geo. H. Oswald, 846 E. East 53th St., at \$426,100 submitted low bid to Board of Public Works to improve streets in Main St. and 90th St. Imp. District, involving in the main, grading, \$25,000; 966,971 sq. ft. 6-in. conc. pave., \$1215 sq. ft.; 376,858 sq. ft. 8-in. conc. pave., \$165 sq. ft.; storm drains, \$44,000; sanitary sewer, \$100,000; curbs, walks, etc.

LOS ANGELES, Cal.—W. F. Crawford, 6900 Washington Blvd., Culver City, at \$563,690 submitted low bid to Board of Public Works to improve Sunset Blvd. bet. Normandie Ave. and Hayvenhurst Drive, involving in the main, grading, \$39,200; 1,246,973 sq. ft. 8-in. Warrenite pavement, comprising 2-in. surface with 6-in. base, \$1,193 sq. ft.; storm drain, culverts, etc., \$66,000; sanitary sewers, \$77,000; water system, \$4,868; ornamental lighting system, \$23,400; curbs, walks, gutters, etc.

SACRAMENTO, Cal.—City council declares intention (2304) to improve north half of Stockton Blvd. opposite 32nd St. and portion of 32nd St. at n. w. corner of its intersection with Stockton Blvd., involving construction of concrete curbs and gutters; c. i. gutter drain; vit. sewers; reconstruct manhole; conc. walks; grading; asph. conc. pavement with seal coat 1911 Act. Bond Act 1915. Hearing June 19. H. G. Denton, city clerk. Fred J. Klaus, city engineer.

SALINAS, Monterey Co., Cal.—City Council declares intention (90) to improve portions of Archer St., Homestead Ave., Buena Vista St., Central Ave., involving grading; hydraulic cement concrete curbs; 5-in. hydraulic cement concrete pavement; 3½-in. hydraulic cement concrete sidewalks. Bond Act 1915. Imp. Act 1911. Hearing July 7. M. R. Keef, city clerk. Howard Cozzens, city engineer.

SALINAS, Monterey Co., Cal.—City Council declares intention (89) to improve Spring St. bet. Griffin and Sumner Sts., involving grading; hydraulic cement concrete curbs; 5-in. hydraulic cement concrete pavement; 3½-in. hydraulic cement concrete sidewalks. Bond Act 1915. Imp. Act 1911. Hearing July 7. M. R. Keef, city clerk. Howard Cozzens, city engineer.

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SAN FRANCISCO—Bureau of Engineering, Department of Public Works, 3rd Floor, City Hall, completes plans to improve Cayuga Ave., between Oneida St. and Seneca Ave., and Seneca Ave., between Caution and Alemany Blvd., involving: 8,142 cu. yds. excavation; 6,117 cu. yds. embankment; 2,694 lin. ft. conc. curb. 448 lin. ft. 8-in. and 643 lin. ft. 12-in. V. C. P. Sewer; 176 lin. ft. 10-in V. C. P. culvert; 16,000 sq. ft. 1-course concrete sidewalk; 6 brick manholes; 17 12x6-in. Y or T branches; 12 8x6-in. Y or T branches; 474 lin. ft. 6-in. V. C. P. side sewers 6 brick catchbasins; 7,600 sq. ft. 6-in. Class "E" concrete pavement; 46,000 sq. ft. asphalt conc. pavement, consisting of 2-in. asphalt conc. surface and 6-in. Class "F" base. Estimated cost, \$27,000.

HAYWARD, Alameda Co., Calif.—City Council declares intention (799) to improve Smalley, Laurel Aves. and Belmar and Princeton Sts., involving grading; 6-in. full penetration emulsified asphaltic macadam pavement; cement concrete curbs, gutters, sidewalks; cement concrete and corrugated iron part circle drain culverts; vitrified clay sanitary sewers; vitrified clay and concrete lampholes with cast iron frames and covers; R. W. header boards. Act 1911. Hearing July 2. M. B. Templeton, city clerk. J. B. Holly, city engineer.

SALINAS, Monterey Co., Cal.—Grantee Const. Co., Watsonville, at \$257,552.74 awarded contract by county supervisors to construct Salinas-Watsonville Highway. Other bids: Peninsula Paving Co., \$258,822; A. Dontanville, Salinas, \$283,869. Will extend from Salinas City limits to Old Toll road; asphalt macadam pavement.

PACIFIC GROVE, Monterey Co., Cal.—City Council declares intention to improve Laurel Ave. bet. 15th and Congress Aves.; 15th St. bet. Light-house and Laurel Aves., involving grading; cement concrete curbs and gutters; 2-in. asphaltic concrete pavement; two concrete catchbasins; 4-in. vitrified clay lateral sewer. Bond Act 1911. Imp. Act 1915. Hearing June 23. L. C. Fisher, city clerk, pro tem.

DOUGLAS COUNTY, Nevada—Until June 26, 2 P. M., bids will be received by C. H. Sweetser, district engineer, U. S. Bureau of Public Roads, 461 Main St., San Francisco, to grade 2.65 miles of Section C. Route 3, Glenbrook National Forest Highway, Tahoe National Forest, in Douglas County, Nev., involving: 62,361 cu. yds. unclassified excavation; 230 cu. yds. structural excavation; 12,338 sta. yds. overhaul; 2.58 miles finishing earth graded rd; 35 cu. yds. Class B concrete; 30 cu. yds. Class C concrete; 3,500 lbs. reinforcing steel; 1,150 lin. ft. corr. metal pipe (in places); Maintenance of existing road and sections accepted for traffic, estimated cost \$1000. Haul and pile logs; 64 right-of-way monuments. Plans obtainable from above office on deposit of \$10, checks for same to be made payable to Federal Reserve Bank of San Francisco.

SAN MATEO COUNTY, Calif.—As previously reported, bids will be received July 2 by State Highway Com-

mission to grade and pave with cem. concrete 5.2 miles between South San Francisco and Burlingame. Project involves: 85,000 cu. yds. imported borrow; 300 cu. yds. struc. excav.; 123,100 sq. yds. subgrade for pave.; 32,050 cu. yds. class A Port. cem. conc. (pave.); 1025 tons asph. conc.; 14,500 tons crusher run base (shoulders); 200 cu. yds. class A Port. cem. conc. (struc.); 876,000 lbs. bar reinf. steel (pave. and struc.); 2100 blis. light fuel oil; 300 tons screenings; 2250 lin. ft. furnishing untreated Douglas fir piles; 50 each driving Douglas fir piles; 2.5 M. ft. b.m. No. 1 common Douglas fir timber; 3000 tons light riprap; 650 each, remove and reset timber guide posts; 277 stations finish rdwy.

SAN BERNARDINO CO., Calif.—As previously reported, bids will be received July 2 by State Highway Commission to grade and surface with oil treated crushed gravel or stone, 28.7 miles, involving 376,100 cu. yds. rdwy. embankment; 500,000 sta. yds. overhaul; 285,000 cu. yds. ditch and chan. nel excav.; 18,000 cu. yds. pit run gravel sub-base; 11,000 cu. yds. struc. excav.; 81,100 tons oil treated crushed gravel or stone surf.; 1820 cu. yds. crushed gravel or stone screenings (seal coat); 2120 blis. fuel oil (seal coat); 76 lin. ft. 18-in., 294 lin. ft. 24-in., 2224 lin. ft. 36-in., and 248 lin. ft. 48-in. corr. metal pipe; 9000 M. gals. water applied to subgrade; 840 blis. fuel oil (detours); 39,975 lin. ft. furnishing creosoted Douglas fir piles; 1599 each, driving creosoted Douglas fir piles; 380 M. ft. b.m. untreated Douglas fir timber, select structural grade; 524 M. ft. b.m. redwood timber; dense select all-heart struc. grade; 355 M. ft. b.m. redwood timber, select all-heart struc. grade; 800 lin. ft. drilling well; 1517 sta. finish rdwy.; 590 each, monuments complete in place. State will furnish corr. metal pipe.

SAN JOSE, Santa Clara Co., Cal.—City Council declares intention (5135) to improve Julian St. between Stockton and Morrison Aves., involving to grade; pave with 2-in. asphaltic concrete wearing surface, 3½-in. asphaltic concrete foundation; cement concrete curbs, gutters and walks; 8-in. cement storm water sewer. Imp. Act 1911. Hearing June 23. J. J. Lynch, city clerk. Wm. Popp, city engineer.

SUISUN, Solano Co., Calif.—Boyd Sheldon, Suisun, at \$1.75 per barrel, awarded contract by city trustees to oil all unimproved streets within the city limits.

SACRAMENTO, Cal.—A. Telchert & Son, Inc., 1846 37th St., Sacramento, awarded contract by city council (2302) to improve K St. bet. 39th St. and west boundary of Wright and Kimbrough Tract No. 24, involving concrete curbs and gutters; c. i. drains; vit. sewers; conc. manholes; concrete

walks; grading; pave with 2-in. asph. conc. with seal coat on 4-in. cement gravel sub-base and install street lighting system.

YUBA CITY, Sutter Co., Cal.—Until July 1, 10 A. M., bids will be received by directors of Joint Highway District No. 12, meeting in Yuba City, to pave several sections of the Yuba City - Woodland Highway, extending from the north line of the town of Robbins to the pavement of the Garden Highway near Tudor, leaving a short stretch from Robbins west and south to be paved under a future contract. Plans are obtainable from Edw. von Geldern, engineer, Yuba City.

WOODLAND, Yolo Co., Calif.—A. Telchert & Son, Inc., 1846 37th Street, Sacramento, awarded contract by city (591) to improve alley bet. Elm and Walnut Sts., Lincoln Ave. and Main St., involving 6-in. hyd. conc. pave.

WOODLAND, Yolo Co., Calif.—A. Telchert & Son, Inc., 1846 37th Street, Sacramento, awarded contract by city (590) to improve alley bet. College and Elm Sts., and Lincoln Ave. and Main St., involving 6-in. hyd. cem. concrete pavement.

WOODLAND, Yolo Co., Calif.—A. Telchert & Son, Inc., 1846 37th Street, Sacramento, awarded contract by city (589) to improve alley bet. 3rd and 2nd Sts., Main St. and Lincoln Ave., involving 6-in. hyd. cem. conc. pave.

WOODLAND, Yolo Co., Calif.—A. Telchert & Son, Inc., 1846 37th Street, Sacramento, awarded contract by city (588) to improve alley bet. 3rd and 4th Sts., Main St. and Lincoln Ave., involving 2½-in. asph. conc. pavement with 1½-in. asph. conc. surface.

SAN MATEO COUNTY, Cal.—Until July 2, 2 P. M., bids will be received by State Highway Commission to grade and pave with cement concrete 5.2 miles between South San Francisco and Burlingame.

See call for bids under official proposal section in this issue.

SAN FRANCISCO—Until June 11, 2 P. M., informal bids will be received by State Harbor Commission, Ferry Bldg., for repairing sidewalk along bulkheads between Piers 27 and 29; 27 and 39 and 39 and 41, (Item 1) laying 10,500 sq. ft. of 1½-in. Topeka Wearing surface on 3½-in. bituminous base; (Item 2) laying 400 sq. ft. of 4-in. cement sidewalk pavement. Certified check of 25% must accompany bid. Specifications obtainable from Frank G. White, chief engineer of Commission, Ferry Bldg.

SAN BERNARDINO COUNTY, Cal.—Until July 2, 2 P. M., bids will be received by State Highway Commission to grade and surface with oil

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treated crushed gravel or stone, 28.7 miles between 6 miles east of Amboy and 1½ mile east of Essex.

See call for bids under official proposal section in this issue.

HUMBOLDT COUNTY, Cal.—Until July 2, 2 P. M., bids will be received by State Highway Commission to grade and pave with cement concrete 0.6 mile between ½ mile south of Eureka and Barska.

See call for bids under official proposal section in this issue.

VALLEJO, Solano Co., Calif.—City Engineer T. D. Kilkenny preparing plans to repave Florida St. between Sonoma and Alameda Sts. City will pay one-half the cost.

SHASTA COUNTY, Cal.—Until July 2, 2 P. M., bids will be received by State Highway Commission to apply seal coat and bituminous surface treatment on 55.8 miles of which 18.5 miles lies between Lamone and north boundary and 17 miles between Montgomery Creek and the Haynes Ranch.

See call for bids under official proposal section in this issue.

SAN ANDREAS, Calaveras Co., Cal.—W. E. Calley, Jamestown, at \$1,894 awarded contract by county supervisors to construct road from Murphy's Sheep Ranch road east of Mercer's Cave over Cave Hill.

SAN ANDREAS, Calaveras Co., Cal.—W. E. Calley, Jamestown, at \$2,356 awarded contract by county supervisors to construct road from Murphy's Sheep Ranch road north of Osselin House to top of Pescia Hill.

SANTA CLARA, Santa Clara Co., Cal.—Until June 22, bids will be received by A. J. Cronin, city clerk (20-D) to improve portions of Union Ave. and Bellomy St., involving grading; asphalt concrete pavements on quarry waste base; cement concrete curbs; drop curbs; gutters; sidewalks, driveway approaches; vit. clay pipe main sanitary sewers, wye branches; laterals; manholes. Bond Act 1915. Imp. Act 1911. Certified check 10% payable to city required with bid. Specifications obtainable from George Sullivan, city engineer.

SAN JOSE, Santa Clara Co., Cal.—City Council declares intention (5138) to improve Stockton Ave. from Emory to Newhall St., involving grading; pave with 1½-in. asphaltic concrete wearing surface with 3-in. asphaltic concrete foundation; cem. conc. curbs, gutters and walks; 6-in. vit. pipe main sewer; 4-in. vit. pipe house laterals; 6-in. vit. pipe sanitary sewer drains. Imp. Act 1911. Hearing June 23. J. J. Lynch, city clerk. Wm. Popp, city

YUBA CITY, Sutter Co., Cal.—Until July 1, 2 P. M., bids will be received by J. E. Hilsken, secretary, Joint Highway District No. 12, to improve sections of Woodland-Yuba City Cut-off bet. Knights Landing Ridge Cut in Yolo county and the Garden Highway ½-mile west of Tudor in Sutter county, being sections 9.9 miles in length between Robbins in Sutter county and Garden Highway, involving:

36,000 cu. yds. excav. and subgrade;
17,000 tons crusher run base;
21,500 cu. yds. pavement (for which alternative bids will be received on the following types):

Class A Portland cement concrete;
Asphalt concrete base and surface;
Asphalt concrete base and Warrentite surface;

Asphalt concrete base and "Willite" surface.

Plans on file in office of Edward von Geldern, engineer, 2nd and C Streets,

Yuba City and obtainable on deposit of \$12, not returnable.

BUSINESS OPPORTUNITIES

SAN FRANCISCO—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street. Phone Garfield 8744.

2072—Export Department Service. New York, N. Y. An old established New York firm is prepared to act as the export department for San Francisco manufacturers who may not be equipped for export trade. The New York house will assume credit risk responsibility. Local references.

2075—Copper Scraps. Los Angeles, Cal. Party wishes to establish connections with an exporter of old copper who exports to Germany.

2076—Ice Boxes. San Francisco, Cal. French manufacturer of very cheap ice boxes seeks an agent in San Francisco.

2078—Tools. Wuertemberg, Germany. Manufacturer of tools for metal industry wishes representative.

2079—Cooking Utensils. Mettmann, Germany. Manufacturer of aluminum cooking utensils desire san agent.

2083—Wire & Manila Ropes. Landsberg, Germany. Wire and manila rope manufacturer is seeking connections with local importers.

2086—General Trade. Tielingao, China. General export-import firm wants to make local connections. List of articles imported and exported is on file, also bank references.

2092—Mineral Colors. Parral, Mexico. Party wishes to find a market for mineral colors. Sample on file.

D-3491—Machine Shop. Chicago, Illinois. Eastern concern manufacturing speed reducers (installed between motors and power-driven machines) desires to make contact with local machine shop so that product can be assembled, stocked, ship-

ped and serviced. Will consider purchase of machine shop if terms can be satisfactorily arranged to handle product.

D-3493—Agency. Boston, Mass. Manufacturers agents desirous of making connections with concerns interested in representation in New England.

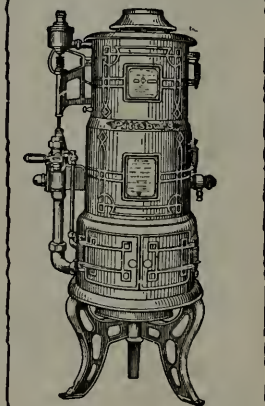
D-3494—Representative. Los Angeles, Cal. Party is desirous of securing agency of any staple line. Prefer territory of Salt Lake City and surrounding communities.

D-3495—Distributor. New York City. Party anxious in securing agency or distribution quarters for the sale of any product. Qualifications as to integrity and character on file.

D-3496—Water Boilers. Watertown, Wisconsin. Executive of a concern that specializes in the conditioning of water is anxious to make connections with San Francisco firm. Also wants a reliable firm who would be interested in the manufacture and sales of a newly-devised boiler.

31

TUCSON, Ariz.—Until 4 P. M., June 18, bids will be received by the city of Tucson for furnishing three pressure filters and one solution feed chlorinator in connection with construction of South Side swimming pool. Capacity of each filter shall be 100 gallons per minute, based on three gallons per minute per sq. ft. of filter area. Piping necessary to connect filters together as a unit, gauges, valves, etc., must be included in bid price. Chlorinator to have capacity range from one-half to ten pounds of chlorine per 24 hours. Lump sum bids are desired separately on filters and chlorinator. Bid must include freight paid to Tucson and services of factory representative to supervise installation of equipment.



A "Pittsburg" Automatic Water Heater installed in the Home indicates high quality throughout.

Recommended and specified by all the leading architects, plumbers and builders.

Consider the high merit of the Pittsburg coupled with "Pittsburg Perfect Service."

"Hot water quick as a wink."

Pittsburg Water Heater Co.

Makers of "Pittsburg Automatic"—"Bungalow Automatic"
Storage Systems and "Lyon" Tank Water Heaters.

309 13th Street, Oakland 478 Sutter St., San Francisco

SEND FOR CATALOGS

OFFICIAL PROPOSALS

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on July 2, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows: Humboldt County, between one-half mile south of Eureka and Eureka (I-Hum-1-G), about six-tenths (0.6) mile in length, to be graded and paved with Portland cement concrete.

Shasta County, between Lamoiné and the northerly boundary (II-Sha-3-D), about eighteen and eight-tenths (18.8) miles in length, and between Montgomery Creek and Haynes Ranch (II-Sha-28-C), about seventeen (17) miles in length; a total distance of about thirty-five and eight-tenths (35.8) miles, seal coat and bituminous surface treatment to be applied.

Siskiyou County, a reinforced concrete girder bridge across Klamath River about 10 miles north of Yreka (II-Sis-3-C), consisting of four 80-foot spans and two 72-foot spans on concrete piers.

Siskiyou County, a reinforced concrete girder bridge across Shasta River about 7½ miles north of Yreka (II-Sis-3-C), consisting of two 200-foot open spandrel arch spans, two 40-foot girder spans and two 22-foot girder spans.

Colusa County, a reinforced concrete girder bridge across Bear Creek about 25 miles west of Williams (III-Col-15-D), consisting of seven 31-foot spans on concrete bents.

San Mateo County, between South San Francisco and Burlingame (IV-SM-68-B), about five and two-tenths (5.2) miles in length, to be graded and paved with Portland cement concrete.

San Bernardino County, between six miles east of Amboy and one and one-half miles east of Essex (VIII-S.Bd-58-K.L), about twenty-eight and seven-tenths (28.7) miles in length, to be graded and surfaced with oil treated crushed gravel or stone.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for

joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
C. H. PURCELL,
State Highway Engineer.
Dated June 4, 1930.

NOTICE TO CONTRACTORS
GENERAL WORK

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, July 8, 1930, thereafter on said day to be publicly opened and read for the erection and completion of the General Work for the Annex to School Building and Annex to Residence for Boys, California School for the Blind, Berkeley, California, in accordance with plans and specifications therefor.

The Annex to the School Building is a two-story reinforced concrete structure with tile partitions, wood roof construction and tile roof. It is attached to the present school building and the total floor area is approximately 10,000 square feet.

The Annex to the Residence for Boys is a one-story frame structure with reinforced concrete foundations, stucco exterior, tile roof, and a total floor area of approximately 2900 square feet.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, California, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications, and proposal forms may be secured by licensed General Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued, and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten

per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
GEO. B. McDOUGALL,
State Architect.
B. B. MEEK,
Director of Public Works.

NOTICE TO CONTRACTORS
MECHANICAL WORK

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Streets, Sacramento, California, up to 2 o'clock P. M., Tuesday, July 8, 1930, said bids thereafter on said day to be publicly opened and read, for the installation and completion of the Mechanical Work for the Annex to School Building and Annex to Residence for Boys, California School for the Blind, Berkeley, California, in accordance with plans and specifications therefor.

Mechanical Work includes Plumbing, Heating, and Electrical Work. Separate bids will be received for "Electrical Work" and for "Plumbing and Heating Work." Combined bids will also be received covering all three branches of the work.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications, and proposal forms may be secured by licensed Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the set in good condition at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
GEO. B. McDOUGALL,
State Architect.
B. B. MEEK,
Director of Public Works.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

717	Bush	Stake	3000
718	Buneman	Todhunter	1000
719	Heyman	Owner	4750
720	McDonald	Michel	2000
721	Morris	Owner	3000
722	Presidio	Sommer	5000
723	Sommer	Wonderlite	1900
724	Shell	Owner	4500
725	Boggiano	Risdon	7000
726	Dieckmann	Delucchi	5000
727	Johnson	Owner	4000
728	Kennedy	Coburn	1000
729	Levin	Owner	9000
730	Milo	Hjul	\$500
731	Perry	Owner	7000
732	Struthers	Conway	4500
733	Oppel	Koenig	1863
734	Barrett	Barrett	5000
735	Barsotti	Owner	7500
736	Stanley	Owner	9000
737	Arnott	Owner	4000
738	Hallegren	Owner	8000
739	Bluett	Isaac	8000
741	Campbell	Michel	1000
742	Bobbio	Owner	3000
743	Planson	Owner	5500
744	Klemyer	Malloch	1500
745	McCoy	Evans	1000
746	Faoro	Owner	3500
747	Meyer	Owner	4000
748	Campbell	Michel	1400
749	Meyer	Owner	4000
750	Meyer	Owner	4000

DWELLING

(717) W WOOL 25 N Eugeneia; one-story and basement frame dwelling.
 Owner—S. E. Bush, 103 Wool St.
 Architect—None.
 Contractor—M. Stake and E. Foreman
 171 Bocana St. \$3000

REPAIRS

(718) 2440 BROADWAY; repair fire damage.
 Owner—Miss K. Buneman, Piedmont.
 Architect—None.
 Contractor—G. C. Todhunter, 1088 Ashbury St. \$1000

DWELLINGS

(719) SE 17th AVE and Pacheco; two 1-story and basement frame dwellings.
 Owner & Builder—Heyman Bros., 742 Market St.
 Plans by Owner. \$4750

GREASING RACK

(720) SE EDDY and Steiner Streets; one-story steel frame greasing rack and 1-story steel frame service station.
 Owner—W. McDonald, 7100 Geary St.
 Architect—None.
 Contractor—Michel and Pfeffer Iron Works, 1415 Harrison St. \$2000

DWELLINGS

(721) NE ALEMANY and Silver Ave.; four 1-story and basement frame dwellings.
 Owner—G. W. Morris, 95 Pinehurst Way.
 Plans by D. E. Jaekle, 744 Call Bldg. \$3000

ALTERATIONS

(722) S WASHINGTON 150 W Maple; alterations to add three rooms to school.
 Owner—Presidio Open Air School, % Builder.

Architect—None.

Contractor—I. M. Sommer, 901 Bryant St. \$5000

SIGNS

(723) 838 MARKET ST.; two electric signs.

Owner—Sommer and Kaufmann, 838 Market St.

Architect—None.

Contractor—Wonderlite Co., 170 Otis Street. \$1900

ALTERATIONS

(724) 65 BATTERY ST.; alterations to three-story and basement class B building for storage space and office areas; entrance to adjoining building.

Owner—Shell Oil Co., 100 Bush St.
 Plans by Owner. \$4500

FLATS

(725) S FRANCISCO 168 W Broderick St.; two-story and basement frame (2) flats.

Owner—C. Boggiano, 2170 Beach St.

Private Plans.

Contractor—Risdon Bros., 2170 Beach Street. \$7000

GAS STATION

(726) SW COR THIRD ST. and Oakdale; one-story concrete gas station and one-story frame service building.

Owner—Dieckmann & McDonald.

Architect—None.

Contractor—D. Delucchi & Sons, 2097 San Bruno Ave. \$5000

DWELLINGS

(727) N LOBOS 340 E Orizaba; two 1-story and basement frame dwellings.

Owner—A. R. Johnson, 3301 Mission.
 Plans by D. E. Jaekle, 744 Call Bldg. each \$4000

REPAIRS

(728) 2452 BROADWAY; repair fire damage.
 Owner—Mrs. Kennedy, 711 Hearst Bldg.

Architect—None.

Contractor—I. W. Coburn, 711 Hearst Bldg. \$1000

ADDITION

(729) 2100 JACKSON ST.; one-story and basement steel frame and hollow tile addition in rear of apt.

Owner—L. E. Levin, Room 802, 785 Market St.

Architect—C. A. Meussdorffer, 785 Market St. \$3000

ADDITION

(730) S HARRISON ST. 325 E 4th; two-story concrete addition.
 Owner—Milo Coffee Company.
 Engineer and Builder—J. H. Hjul, 128 Russ St. \$8500

DWELLING

(731) N DEWEY 116 W Pacheco; 2-story and basement frame dwelling.

Owner and Builder—F. K. Perry, 883 41st Ave.

Architect—None. \$7000

DWELLING

(732) E SHOTWELL 245 N 25th St.; two-story and basement frame dwelling.

Owner—M. T. Struthers, 2849 Fillmore Street.

Architect—None.

Contractor—G. J. Conway, 2733 Mission St. \$4500

ALTERATIONS

(733) 346 KEARNY ST.; alterations to stores.

Owner—J. V. Oppel.

Architect—E. A. Neumarkel, 340 Kearny Street.

Contractor—C. J. Koenig & Son, 520 Church St. \$1863

SUPPLY STATION

(734) E TAYLOR bet. O'Farrell and Ellis. One-story steel frame auto supply station.

Owner—L. Barrett, Ellis and Taylor Sts., San Francisco.

Architect—E. A. Eames, 353 Sacramento St., San Francisco.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. \$5000

(735) S REVERE 150 E Jennings. Three one-story and basement frame dwellings.

Owner—Arturo Barsotti, 1512 Quesada Ave., San Francisco.

Architect—None.

Contractor—Arturo Barsotti, 1512 Quesada St., San Francisco. \$2500 each

DWELLING

(736) SAN ALESO. 30 N Darien. Two-story and basement frame dwelling.

Owner—G. W. Stanley, 467 Turk St., San Francisco.

Architect—F. Ford, 1435 Harrison St., San Francisco. \$9000

(737) E SIXTEENTH AVE 214 S Rivera. One-story and basement frame dwelling.

Owner—J. A. Arnott, 633 Taraval St., San Francisco.

Architect—None. \$4000

DWELLINGS

(738) E 21st AVE. 50 N Lawton; two 1-story and basement frame dwellings.

Owner and Builder—A. Hallegren, 1594 29th Ave.

Architect—None. each \$4000

DWELLINGS

(739) SE SAN JOSE 227 NE Whipple; two one-story and basement frame dwellings.

Owner—Mrs. I. Bluett.

Architect—E. K. Dobkowitz, 425 Montecrey Blvd.

Contractor—H. H. Isaac, 151 Farragut. each \$4000

Capital City Title Company

J. C. PALEN

Manager

914 Seventh Street

Sacramento - California

ALTERATIONS

(740) E TENTH ST. S of Bryant; alterations to strengthen building, stucco and repair front.
Owner—W. E. Reinhardt & Co., 917 Bryant St.
Architect—None.
Contractor—W. Gott, 683 3rd Ave. \$1000

SUPPLY STATION

(741) SW 19th and FOLSOM STS.; one-story steel frame auto supply station.
Owner—A. S. Campbell, 1415 Harrison.
Architect—None.
Contractor—Michel and Pfeffer Iron Works, 1415 Harrison St. \$1000

DWELLING

(742) N GILMAN 100 E Ingalls; one-story and basement frame dwelling.
Owner—G. Bobbio, 1294 Gilman.
Architect—None. \$3000

ALTERATIONS

(743) 1238 McALLISTER ST.; alterations to apartments.
Owner—V. G. Planson, 1526 Josephine, Berkeley.
Architect—None. \$5500

REPAIRS

(744) SE EIGHTH AVE. and Judah; repair fire damage.
Owner—Geo. Klemery, 105 Montgomery St.
Architect—None.
Contractor—J. S. Malloch, 666 Mission Street. \$1500

MOVE AND ALTER

(745) W DIAMOND 45 N Clipper St.; raise, move and alter dwelling.
Owner—L. O. McCoy, W Diamond 45 N Clipper St.
Architect—None.
Contractor—C. A. Evans, 71 Pierce St. \$1000

DWELLING

(746) S THORNTON 75 W Neptune; one-story and basement frame dwelling.
Owner—Silvio Faoro, 10½ Neptune.
Architect—None. \$3500

DWELLINGS

(747) S ROCKDALE 275 W Reposa; four 1-story and basement frame dwellings.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. each \$4000

BRAKE SHOP

(748) SW NINTH and Folsom Sts.; one-story steel frame brake and battery shop.
Owner—A. T. Campbell, 1415 Harrison St.
Architect—None.
Contractor—Michel and Pfeffer Iron Works, 1415 Harrison St. \$1400

DWELLING

(749) S JAUNITA 275 W Delmar; 1-story and basement frame dwelling.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. \$4000

DWELLING

(750) S JAUNITA 226 W Delmar; 1-story and basement frame dwelling.
Owner and Builder—Meyer Bros., 727 Portola Drive.
Architect—None. \$4000

BUILDING CONTRACTS

San Francisco County

No. Owner	Contractor	Amt.
121 Barry	Paganini	600
122 Kulisch	Lindsay	4970

123 Enemark	Ruegg	9500
124 Tosch	Smith	2448
127 Southern	Sugarman	3616
128 Richfield	Bruce	12724

WRECKING

(121) 134 SPRING ST.; wreck building to sidewalk level (salvage to be property of sub-contractor).
Owner—Edw. Barry Co., 32 Clay St.
Architect—C. E. Perry, 1880 Fulton St.
Contractor—David Paganini, 519 California St., sub-contractor, California Wrecking Co., 666 Mission St.
Filed June 5, '30. Dated June 4, '30.
Payments Not Given.

TOTAL COST, \$600
Bond, \$1000. Sureties, Fidelity & Casualty Co. of N. Y. Limit, June 19, 1930.

RESIDENCE

(122) LOT 12 BLK 144 Map Brown Estate Company's Sub of University Mound. All work for one-story and basement frame residence.

Owner—T. and D. Kulisch, 22 Highland Ave., San Francisco.
Architect—C. F. Strothoff, 2274 15th St., San Francisco.
Contractor—B. C. Lindsay, 183 Oxford St., San Francisco.

Filed June 6, '30. Dated May 19, '30.
Frame up\$1242.50
Brown coat plaster on 1242.50
Completed 1242.50
Usual 35 days 1242.50
TOTAL COST, \$4970.00

Bond, \$4970 Surety, Commercial Casualty Ins. Co. Limit, 90 days.
Forfeit, none. Plans and specifications filed.

STORES

(123) N BAYSHORE BLVD. AND Visitation Ave. All work for frame (4) store building.

Owner—L. H. Enemark.
Architect—None.
Contractor—The Ruegg Co., 369 Pine St., San Francisco.

Filed June 6, '30. Dated May 31, '30.
On completion ½
Usual 35 days ½

TOTAL COST, \$9500
Bond, none. Limit, August 31, 1930.
Forfeit, none. Plans and specifications filed.

BUNGALOWS

(124) E BAYWOOD COURT 80 N Geneva Ave N 80 x E 50; all work on three 4-room bungalows.

Owner—M. Tosch, 5113 Mission St.
Architect—None.

Contractor—Ford Smith, 1230 Ellis St.
Filed June 9, '30. Dated, May 28, '30.
Roofs up 25%
Plastered 25%
Completed and accepted 25%
Usual 35 days 25%

TOTAL COST, \$2448
Limit, 110 days.

125 Oppel	Koenig	1400
126 Bulotti	Prout	15300

ALTERATIONS & ADDITIONS

(125) E KEARNY ST. bet. Bush and Pine Sts., Nos. 346 352 Kearny St.; all work for alterations and additions of 3-story brick building except painting, electrical work and heating.

Owner—John V. Oppel, 904 York St.
Architect—E. A. Neumarkel, 544 Market St.

Contractor—Chas. J. U. Koenig & Son 520 Church St.

Filed and dated June 10, 1930.
Completed and accepted\$1400
Usual 35 days 468

TOTAL COST, \$1868
Limit, 30 days. Plans and Specifications filed.

RESIDENCE

(126) PTN LOTS 25 and 26 Blk 2818 Forest Hill Court; two-story and

basement frame residence.

Owner—C. F. and E. Bulotti, 829 Folsom Street.
Architect—H. G. Stoner, Smith Bldg., San Mateo.

Contractor—J. Prout, 515 Magellan St.
Filed June 10, '30. Dated May 23, '30.
Frame up\$160
Lathed\$160
Plastered\$160
Completed and accepted\$160
Usual 35 days\$160

TOTAL COST, \$15,800
Bond, \$7300. Sureties, American Bonding Co. Limit, 90 days. Plans and Spec. filed.

SEWER LINES

(127) LOCATION OMITTED; install sewer lines in basement and new cold water risers for 8th, 9th and 10th floor toilets in general office building.

Owner—Southern Pacific Co., 65 Market St.

Architect—None.

Contractor—E. Sugarman, 3624 Geary Street.

Filed June 11, '30. Dated June 5, '30.

Monthly payments of 75%

Usual 35 days 25%

TOTAL COST, \$3616

Bond, \$3616. Sureties, United States

Guarantee Co. Limit, 60 days. Plans and Spec. filed.

SERVICE STATION

(128) 19th AVE. and Irving St., 100x 125; all work on super-service station.

Owner—Richfield Oil Co., Matson Bldg.

Architect—None.

Contractor—L. M. Bruce, 3553 Divisadero St.

Filed June 11, '30. Dated June 6, '30.

1st and 16th of each month 85%

Usual 35 days 15%

TOTAL COST, \$12,724

Bond, \$12,724. Sureties, Fidelity and

Deposit Co. of Maryland. Limit, Aug. 16, 1930. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
June 5, 1930—N DE WOLF ST 140	June 4, 1930—E 40 x N 100. E and C Logue to S Warren & Son. \$28,1930
June 5, 1930—W 18th AVE 50 and 75 S Kirkham S 25 x W 95. Michael D and Mary A Hardiman to whom it may concern (two completions)	June 5, 1930—S GREENWICH 82-6 E Divisadero 24x56-3/4. Thomas R Sharnan to whom it may concern
June 5, 1930—S VICENTE 52 E 15th Ave. Charles Anderson to whom it may concern	June 4, 1930—W DIAMOND 60 S Twenty-first 25x115-9. Anne Ruth to Isaacson & Nylund. June 4, 1930
June 4, 1930—E CHATTANOOGA 61-6 S Twenty-third 38x54. Gustaf Heden to whom it may concern	June 4, 1930—NO. 65 MARKET Southern Pacific Co to Smith Elec Co. May 31, 1930
June 4, 1930—NO. 1943-45 TURK. Wm Weaver to P Anderson.	June 4, 1930—N CRESCENT AVE 34, 56 and 78 E Murray. Victor Bjorkman to whom it may concern
June 4, 1930—S CLEMENT 100 E 16th Ave W 100 S 70 E 44-6 1/2 SE 2-6 1/2 E 55 m or 1 N 72-6 m or 1 to beg OL 196. John Richard and Lena Linn Johnson to whom it may concern	June 3, 1930—N JERSEY 100 E Chattanooga E 25 x N 114. Mary J Wyntne to D K Brookes.
	June 6, 1930

June 9, 1930—S MORAGA 107-6 E 22nd Ave E 25 x S 100 OL 881. Ben Hegin to whom it may concern.....June 9, 1930
June 9, 1930—E 30th Ave 125 N Kirkham 25x120. Albert A. Flage to whom it may concern.....May 31, 1930

Correction In Location.

June 7, 1930—NE MISSION ST & Clarion Alley. M H Seid and E F Dowd to whom it may concern
June 7, 1930—NO. 239 BRODERICK E Wickes to J J Irwin.....June 5, 1930

June 7, 1930—W SEVENTEENTH Ave 29 S Kirkham St S 25xW 82-6 M and N Costello to whom it may concern.....June 6, 1930
June 6, 1930—NO. 2578-50 SAN Jose Ave. B and E Leavy to J P Finegan.....May 31, 1930

Correction.

June 6, 1930—N PRADO 123,528 E Scott E 37-50 N 53. Mr and Mrs Ruben Abrams to L Franceschi.....June 6, 1930
June 10, 1930—S CLEMENT 82-6 E 42nd Ave E 75 S 82-7 W 25 S 16-2 W 50 N 98-9 to beg OL 222. Meyer Bros to whom it may concern.....June 9, 1930

June 10, 1930—NW TIFFANY Ave 407 NW from N 29th NE 25 x NW 100 ptn Tiffany & Dean Tract. J W Gillogley to whom it may concern.....June 4, 1930
June 10, 1930—STOCKTON ST bet Pine and California Sts. Metropol. Itan Life Ins Co to Lindgren and Swinerton, Inc.....June 7, 1930

Correction In Location.

June 9, 1930—LOTS 14 and 13 BLK 3264 Map Blk 3260 Balboa Terrace Addn. A J and M A Herzog to whom it may concern (two completions).....June 9, 1930

LIENS FILED**San Francisco County**

Recorded Amount
June 4, 1930—W TWENTY-FIRST Ave 260 N Ortega N 25xW 120 OL 936. Wm Onick vs Thos Hughes and Sam Goss\$150
June 4, 1930—E GREAT HIGHWAY 187-6 S Kirkham St S 50 x E 120. The Tozer Co vs J Mendel, I Samsonoff and F M Perry.....\$325.15
June 7, 1930—NO. 923 MARKET. H Hibbetson (as California Marble Tile Co) vs Zukor's Inc.....\$2609
June 4, 1930—S JACKSON ST 125 E Lyon St E 50 x E 137-6. V Passio as Mission Concrete Co vs Wm McIntosh\$3806
June 6, 1930—N PINE ST 73 W Baker W 33-3 N 50 E 36 S 25 W 2-9 S 25. Carjolee Wall Paper Co, Inc vs Anne C McDonald.....\$77.46
June 6, 1930—S MONTGOMERY Blvd 16 min 195-95 E 60 N 2 deg 16 min E 205-544 SW 60-799. Lamey Bros vs Geo F Barnett, S C and P Way\$161
June 6, 1930—NE 45th AVE and Pt Lobos Lots 1 and 2 Blk 225 map ptn Blks 224 and 225. Richmond Dist. Daniel Gallagher Teaming, Mercantile & Realty Co, \$112.50; Walter A Hoff Landscape Organization, \$125, vs M B Clipper.....
June 6, 1930—N PINE 73 W Baker W 33-3 N 50 E 36 S 25 W 2-9 S 25. Mannix & Kelly (William Mannix and P J Kelly) vs Anne Carolan McDonald\$480
June 6, 1930—SE PAGE AND ASHBURY E 80xS 25. J H Kruse vs Fritz and Anna Steffen and C G Willington\$1379.69
June 9, 1930—NE 45th AVE and Pt Lobos Ave Blk 225 ptn Blks 224 and 225. Richmond Dist. Chris Nelson Co, Ltd, \$1577.56; A Mon-

son, \$486, vs M Hedman, M B and Inez M Clipper.....
June 9, 1930—NE COR PT LOBOS and 45th Ave Lot 241. Blk 225. F Nicolai and A Giannoni as S F Gravel Co vs M B and I M Clipper\$189.76

RELEASE OF LIENS**San Francisco County**

Recorded Amount
June 7, 1930—N LIBERTY 130 E Sanchez E 25xN 114. H H Smith, B Milano (as Daly City Lime & Cement Co) to E Evangelisti; F Maraccini and G Maraccini.....

BUILDING PERMITS**Alameda County**

722 Ettorio Faramia 2500
723 Mandes Owner 3000
724 Flagg Owner 6800
721 Bernstein Urch 1000
722 Pellerino Coward 3500
723 Williams Petersen 6300
725 Gaia Marietti 3000
726 Carlson Livingston 4950
724 Murphy Maurer 18284
725 Brackett Owner 1000
726 Anderson Owner 3750
727 Zimmerman Pickrell 3000
728 Cal. Packing Vezey 2155
729 Same 3197
730 Leekins Owner 3000
731 Grubb Owner 3500
732 Sulprizio Carlson 7650
733 Italer Owner 7500
734 Rosenthal Owner 4000
735 McDonald Owner 1000
736 Ipsen Barham 4750
737 Combs Owner 3500
738 Ebey Jacobs 90000
739 Fisher Owner 40000

RESIDENCE

(722) 1207 FRANCISCO ST., BERK. ELEY; one-story 4-room 1-family frame residence. Owner—Mr. and Mrs. Ettorio, 1531 San Pablo Ave., Berkeley. Architect—None. Contractor—J. Faramia, 827 Madison St., Albany. \$2500

RESIDENCE

(723) 2304 ACTON ST., BERKELEY; 1-story 6-room 1-family frame residence. Owner—Frank Mendes, 1325 Bancroft Way, Berkeley. Architect—None. \$3000

DWELLINGS

(724) 3438-3455 GUIDO ROAD, OAKLAND; two 1-story 5-room dwellings and 1-story garages. Owner and Builder—John S. Flagg, 3321 Madeline St., Oakland. Architect—None. \$6800

ALTERATIONS

(721) NO. 493 HUDSON ST., OAKLAND. Alterations. Owner—Dr. Bernstein, Premises. Architect—None. Contractor—Ernest W. Urch, 1942 50th Ave., Oakland. \$1000

DWELLING

(722) S SIXTY-THIRD 150 W California, OAKLAND. One-story 5-room dwelling. Owner—Jos. Pellerino, 986 44th St., Oakland. Architect—None. Contractor—Jos. Coward, 2021½ Clinton Ave., Alameda. \$3500

DWELLING

(723) N MARGARITA AVE 200 E Granada, OAKLAND. One-story five-room dwelling and one-story garage.

Owner—M. Williams, 320 13th St., Oakland. Architect—None. Contractor—Alfred Petersen. \$6300

RESIDENCE

(725) 1136 PARKER ST., BERKELEY; one-story 5-room 1-family frame residence. Owner—P. Gaia, 1033 Pardee St., Berkeley. Architect—None. Contractor—C. Marietti, 1201 Stannage Ave., Berkeley. \$3000

RESIDENCE

(726) 1831 WOOLSEY ST., BERKELEY; one-story 6-room 1-family frame residence. Owner—Mr. and Mrs. J. Carlson. Architect—None. Contractor—W. Livingston & Son, 1152 Euclid Ave., Berkeley. \$4950

RESIDENCE

(724) NO. 316 ST. JAMES DRIVE, PIEDMONT. Two-story 11-room frame residence and garage. Owner—C. A. Murphy, 59 Prospect St., Oakland. Architect—Newsom Bros., 1615 Broadway, Oakland. Contractor—Geo. J. Maurer, 50 York Drive, Piedmont. \$18,284

ADDITION & ALTERATIONS

(725) 540 30th ST., OAKLAND; addition and alterations. Owner and Builder—P. Brackett, 540 30th St., Oakland. Architect—None. \$1000

DWELLING

(726) NO. 1605 PEARL ST., ALAMEDA. One-story 5-room frame and stucco dwelling. Owner—Walter H. Anderson, 1014 Doris Court, Alameda. Architect—Walter H. Anderson, 1014 Doris Court, Alameda. \$3750

DWELLING

(727) NO. 2847 ENCINAL AVE., ALAMEDA. One-story 5-room frame and stucco dwelling. Owner—O. Zimmerman. Architect—J. H. Pickrell, 332 Santa Clara Ave., Alameda. Contractor—J. H. Pickrell, 332 Santa Clara Ave., Alameda. \$3000

SHED

(728) MARTINEZ ST., bet. Saunders and Parrott Sts., SAN LEANDRO. Pear shed. Owner—California Packing Co., First and Myrtle Sts., Oakland. Architect—None. Contractor—Vezey & Son, 3220 Sacramento. \$7195

ADDITION

(729) PARROT ST., bet. Alvarado & Orchard Sts., SAN LEANDRO. Addition to plant No. 27. Owner—California Packing Co., First and Myrtle Sts., Oakland. Architect—None. Contractor—Vezey & Son, 3220 Sacramento. \$3197

DWELLING

(730) E SHEFFIELD 240 N E-29th St., OAKLAND. One-story five-room dwelling. Owner—C. W. Leekins, 1108 Underhills Road, Oakland. Architect—None. \$3000

DWELLING

(731) W BREED AVE. 200 N Durant OAKLAND. One-story five-room dwelling. Owner—Jas. B. Grubb, 2012 38th Ave., Oakland. Architect—None. \$3500

DWELLING

(732) NE SEQUOYAH ROAD AND Turnley Drive., OAKLAND. Two-story 8-room dwelling and one-story garage.

Owner—S. Sulprizio, Fresno.

Architect—None.

Contractor—H. Carlson, 4240 E-16th St., Oakland. \$7650

DWELLING

(733) N ROCKRIDGE BLVD. 125 S Margarido Drive, OAKLAND. Two-story 8-room dwelling.

Owner—Paul H. Haller, 1612 Hearst Ave., Berkeley.

Architect—None. \$7500

WAREHOUSE

(734) S THIRD ST 150 E Washington St., OAKLAND; 1-story brick and tile warehouse.

Owner and Builder—H. Rosenthal and Son, 3rd and Washington Streets, Oakland.

Architect—T. J. Keenan. \$4000

ADDITION

(735) 2334 ALEXANDER CT, OAKLAND; addition.

Owner and Builder—J. McDonald, 2334 Alexander Court, Oakland.

Architect—None. \$1000

RESIDENCE

(736) 633 GRIZZLY PEAK BLVD., BERKELEY; one-story 6-room 1-family frame residence.

Owner—Charles H. Ipsen, 1621 Posen, Berkeley.

Architect—A. W. Smith, American Bank Bldg., Oakland.

Contractor—C. L. Barham. \$4750

DWELLING

(737) S OUTFLOOK 100 W 72nd Ave., OAKLAND; one-story five-room dwelling.

Owner & Builder—W. M. Combes, 3563 72nd Ave., Oakland.

Architect—None. \$3500

STORE & BALL ROOM

(738) SE COR GRANT and Webster Sts., OAKLAND; two-story brick and concrete store and ball room.

Owner—Geo. Ebey, 411 15th St., Oakland.

Architect—Ray F. Keefer, 3281 Lakeshore Ave., Oakland.

Contractor—Jacobs & Pattiani 337 17th St., Oakland. \$90,000

APARTMENTS

(739) NE COR 51st AVE. and Melrose Ave., OAKLAND; three-story 51-room apartments.

Owner and Builder—T. D. Fisher, 2851 23rd Ave., Oakland.

Architect—None. \$40,000

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
105	Presbyterian	Bruce	\$423
106	Bowen	Marietti	4528

SCHOOL

(105) PLEASANTON, Calif.; general construction of a school and social hall addition and remodel present church building.

Owner—First Presbyterian Church of Pleasanton.

Architect—None.

Contractor—Bruce & Sons, 531 Main St., Pleasanton.

Filed June 7, '30. Dated May 29, '30. Monthly payments.

Balance usual 35 days. TOTAL COST, \$8423

Bond: Labor and Material, \$4214; Performance, \$4214. Sureties, J. H. Arendt J. R. Cruikshank. Limit, 90 days.

RESIDENCE

(106) SW KALNS and Marin, Aves.,

Albany; general construction on residence.

Owners—William U. and Julia Bowen. Architect—Gerald J. Fitzgerald.

Contractor—Charles Marietti. Filed June 10, '30. Dated June 2, '30.

When roof is completed.....\$1132

When brown coated.....1132

When completed.....1132

Usual 35 days.....1132

TOTAL COST, \$4528

Bond, \$4528. Sureties, Hartford Accident and Indemnity Co. Limit, 60 days.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
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June 4, 1930—1805 LAFAYETTE ST, Alameda. James H Dowling to self.....June 3, 1930

June 6, 1930—PTN LOTS 1 and 2 Blk 17, Dalley's Seaside Park, Berkeley. Albert D Pope to whom it may concern.....June 5, 1930

June 6, 1930—2035-2037 ASHBY AVE Berkeley. Esther M and Percy H Goodban to Ed R Beebe.....June 5, 1930

June 6, 1930—LOT 38, Avenue Terrace, Oakland. Geo L Drennon to W A Netherby.....June 6, 1930

June 6, 1930—LOT 29, Laurel Terrace, Oakland. F C Stoltz to whom it may concern.....June 4, 1930

June 6, 1930—CAMPUS of University of California, Berkeley. The Regents of the University of California to J L Davidson Company.....May 26, 1930

June 5, 1930—3938 TURNLEY DR, Oakland. C F Lodge to whom it may concern.....June 4, 1930

June 5, 1930—SEVENTH ST line Webster St crossing; 7th St line E 14th Street Crossing, Oakland. Southern Pacific Co to Hutchinson Co, Inc.....May 31, 1930

June 5, 1930—OAKLAND, Alameda and Berkeley. Southern Pacific Co to Hutchinson Co, Inc.....May 31, 1930

June 4, 1930—PTN OF RANCHO San Antonio, Alameda Co. Oscar Carlson to whom it may concern.....June 3, 1930

June 4, 1930—LOT 17 and Ptn Lot 18 Blk 7, Case Tract, Berkeley. Amanda and Wm Cash to George C Martin.....May 19, 1930

June 4, 1930—LOT 20 BLK 152, Revised map of the ppty of the Alameda County Land Co, Oakland. M Elgarten to The Dyer Const Co.....May 17, 1930

June 4, 1930—SW 47th AVE AND Foothill Blvd, Oakland. J M Maurer to The Dyer Const Co.....May 29, 1930

June 9, 1930—305 66th AVE, Oakland. B H Body Co to whom it may concern.....May 25, 1930

June 7, 1930—LOT 384 BLK U, Farnside, Alameda. Addison Corporation to Fred W Hambleton.....June 7, 1930

June 7, 1930—NO. 660 BLAIR AVE, Piedmont. Dr. E Fowler to Geo Windsor.....June 7, 1930

June 7, 1930—PPY OF MANUEV Brandon, State Highway, bet.

Niles and Hayward Dept. of Public Works, Division of Highways, State of California to Rufus Gonsalves.....June 5, 1930

June 7, 1930—PPY OF M. G. Kramer, State Highway bet. Dublin and Hayward. Dept. of Public Works, Division of Highways, State of California to Herbert D Baker.....June 5, 1930

June 7, 1930—NO. 851 INDIAN ROCK AVE, Berkeley. Albert H and Alice E Vandecar to J Harry Smith.....June 2, 1930

June 7, 1930—LOT 6, Grand Oak Tract, Alameda. Walter H Anderson to whom it may concern.....June 6, 1930

June 9, 1930—LOTS 10, 11, 12, 13, 14, 15 and W 20 ft Lot 16, map of the Benton Property, Berkeley. International House (a corp.) to Wm G and A Gilmour.....June 3, 1930

June 9, 1930—LOTS 10, 11, 12, 13, 14, 15 and W 20 ft Lot 16, map of the Benton Property, Berkeley. International House (a corp.) to Vermont Marble Co.....June 6, 1930

June 9, 1930—LOTS 10, 11, 12, 13, 14, 15 and W 20 ft Lot 16, map of the Benton Property, Berkeley. International House (a corp.) to Lannom Bros Mfg Co.....June 4, 1930

June 9, 1930—LOT 39, Mandana Pk, Oakland. Charles E Bardwell, Jr to whom it may concern.....June 9, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
June 5, 1930—LOT 49 BLK 6, 1000 Oaks Blvd, Berkeley. Tilden Lumber Co vs H B Gross.....\$585.20	
June 5, 1930—50 FLORIDA AVE, Berkeley. Sunset Lumber Co vs Harry B Gross.....\$135.31	
June 5, 1930—230 BELLEVUE DR, San Leandro. Sunset Lumber Co vs R H Weeks, Weeks Const Co, Ltd.....\$395.06	
June 5, 1930—2531 TRUMAN ST, Oakland. Manuel Costa vs W W Brown, Lillian G Brown.....\$30	
June 4, 1930—1121 SUNNYHILLS Road, Oakland. West Coast Window Shade Service vs H E Williams, J A Sinclair, Jr.....\$20.65	
June 4, 1930—220 BELLEVUE DR, San Leandro. Harold Page vs Richard Weeks, H Weeks and Weeks Const Co.....\$295	
June 7, 1930—NO. 230 BELLEVUE Drive, San Leandro. Bay City Asbestos Co, Inc, \$179.40; L E Mordan (as Morgan Electric Co) \$111.50; L F Witharn, \$165; Superior Tile & Products Co, \$32; vs R H Weeks and Weeks Construction Co.....\$198	
June 6, 1930—LOTS 7, 8 and 9 and ptn lots 10 and 11 blk 2, amended map of La Loma Park and Wheeler Tract, Berkeley. Plant Rubber & Asbestos Works vs George D Blood, George M and Mintie E Frisbie, Nottingham Heating and Ventilating Co.....\$198	

Member Insurance Brokers' Exchange

FRED H. BOGGS

INSURANCE

490 GEARY STREET

Phone FRanklin 9400

San Francisco

June 6, 1930—LOT 49 BLK 6, Thousand Oaks Drive, Berkeley. Tilden Lumber & Mill Co vs H B and Gertrude I Gross\$585.20
 June 10, 1930—280 BELLVIEW DR, San Leandro. E Royce as Service Plumbers vs R H Weeks, Weeks Const Co, Ltd.\$131
 June 9, 1930—2531 TRUMAN Ave, Oakland. Chas Hummer vs W W Brown\$80
 June 7, 1930—NO. 1627 ELAKE ST, Berkeley. Atlas Mill & Lumber Co vs L E Worth and E W Wilson\$105.50

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
June 5, 1930—NW 13th AVE 115 ft NE of East 18th St, Alameda. Henry Cowell Lime & Cement Co to James G and Esther Stewart, L J Bender Roofing Co.	\$74.82
June 4, 1930—PORTION OF PPTY described in Gift Deed J A C Macdonald to Mary A Macdonald April 7, 1898 and recorded in Vol 653 of Deeds pp 250, Oakland. Alfred L Vezina to Thomas M and Adele Hayes\$2236.65	
June 4, 1930—PTN LOT 25, La Loma Park, Berkeley. Master-Craft Tile & Roofing Co to Samuel J and Portia B Hume, C O Bradhoff.	\$2578.50
June 6, 1930—LOT 104, Oak Park Tract, Oakland. Union Electric Co. \$999.02; The California Door Co \$1580.25, to K J Henning and Geo Auer\$143.11	
June 9, 1930—LOTS 17 and 18 and ptn Lots 15 and 16, Johnson Tract; being also ptn Lot 16 Blk B, Grove Tract, Oakland. Tilden Lumber Co to Metropolitan Bldg Co, Ltd; MacDonald & Kahn, Inc.	

BUILDING PERMITS

(San Anselmo, Marin County)

Following building permits were granted during the month of May by Charles H. Cartwright, city building inspector of San Anselmo:

J. Delemons. Repairs. Portion of Lot 42 Bush Tract. Florence Ave. Est. cost \$200.

Bay Counties Gasoline Stations and Standard Oil Co. Shelter shed. Osmond Tract. Main St. Est. cost \$450.

C. A. Service. Dwelling. Lot 3, Blk. 6, Hawthorne Hills, Rutherford Ave. Est. cost, \$4000.

W. E. Brodersen. Tool house. Lot 174, Bush Tract, Forest Ave. Est. cost, \$100.

A. B. O'Connor. Sleeping porch. Hillside Ave., Ross Valley Park Hillside Tract. Est. cost \$300.

Miss L. O'Hara. Erect sleeping porch and playhouse. Barber Tract, Barber Ave. Est. cost \$300.

F. Leacher. Garage. Portion Lot 5 Davidson Tract, Olive Ave. Est. cost \$150.

C. J. Weber. Addition. Portion Lot 106 Bush Tract, Scenic Ave. Est. cost \$100.

A. Siemer & Kendall. Dwelling. 50 ft. north side of Calumet Ave., property of McPhall Bros. Est. cost \$3,000.

V. V. Peters. Dwelling. Lots 9 and 10 Agatha Court. Est. cost \$7000.

E. Bailey. Dwelling. Portion Lot 167 Ross Valley Park Villa Lots, Crescent Road. Est. cost \$1000.

F. E. Raynes. Garage. Lot 8 Blk 2 Sunnyside Tract, Mariposa Ave. Est. cost \$150.

BUILDING PERMITS

SAN MATEO

BUNGALOW, 5-room & garage, \$4000; Lot 14 Blk 475 24th Ave., San

Mateo; owner and contractor, Robert Mullin.
 RESIDENCE, \$15,485; S 72 ft of 255 Occidental St., San Mateo; owner, W. A. Johnson Jr.; contractor, O. L. Cavanaugh, 432 Occidental St., San Mateo.

DWELLING, \$7500; Lot 3 Blk 4, Edinburg St., San Mateo; owner, and contractor, C. W. Koenig, 54 San Mateo Drive, San Mateo.

DWELLING, \$6500; Lot 42 N. Idaho St., San Mateo; owner, J. L. De-benedetti, 134 Elm St., San Mateo; contractor, Joseph Fell.

BUNGALOW, \$4500; Lot 110 No. 1247 Rhys St., San Mateo; owner, Abe Horwitz; contractor, J. L. McDonald, 412 Villa St., San Mateo.

SERVICE station, \$6500; Lots 1, 2, 3 and 4, Third Ave. and Bayshore, San Mateo; owner, H. Rogers, 238 Waller St., San Francisco; contractor, Union Oil Co., Mills Bldg., San Francisco.

RESIDENCE, \$7000; Lot 77, No. 731 N. Idaho St., San Mateo; owner, Marion Vecchi, 564 Market St., San Francisco; contractor, Van Sabern.

ALTERATIONS, \$1500; W Portion Lot 7, No. 718 Hurlingham St., San Mateo; owner, Mrs. Chas. Foster, Mulford Gardens, Oakland; contractor, Fred Hurlbut, 10 Peninsular Ave., San Mateo.

BUNGALOW and store, \$3500; Lot 3 Blk 35, Fourth Avenue, San Mateo; owner, Jean Hill, 910 4th Ave., San Mateo; contractor, F. H. Boring, 1045 Balboa St., San Mateo.

RESIDENCE, \$3000; W ½ LOT 13, Beresford Park, Date Ave., San Mateo; owner, Hillcrest Dairy; contractor, C. B. McClain, 1412 Edgehill St., San Mateo.

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
 LOT 8 Homestead Tract; all work on 2-story frame and stucco residence
 Owner—A. Devoto.
 Architect—Grimes & Schoening, 235 3rd St., San Mateo.
 Contractor—T. J. Broderick, 1528 Cypress Ave., Burlingame.
 Filed June 3, '30. Dated May 29, '30.
 Framed 25%
 Plastered 25%
 Completed 25%
 Usual 35 days 25%
 TOTAL COST, \$7537
 Limit, 75 working days. Plans and Spec. filed.

RESIDENCE
 HILLSBOROUGH; all work on 2-story frame and stucco residence
 Owner—R. B. Carter, 315 Montgomery St., San Francisco.
 Architect—John Knox Ballantine, Jr., 137 Harlan Place, San Francisco.
 Contractor—D. B. Gladstone, 557 Market St., San Francisco.
 Filed June 3, '30. Dated May 29, '30.
 Framed\$726.25
 Brown coated 8726.25
 Completed 8726.25
 Usual 35 days 8726.25
 TOTAL COST, \$34,905
 Limit, Nov. 1, 1930. Plans and Spec. filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
 June 2, 1930—PART LOT 9 BLK 18 East San Mateo. E G Carter to whom it may concern.....May 23, 1930
 June 2, 1930—WOODSIDE. J V Newman to George D Prentice.....May 23, 1930

June 3, 1930—LOTS 83 and 84 Blk C Mission St Tract. H Shapiro to Self.....June 1, 1930
 June 3, 1930—LOTS 24 and 25 BLK 5 Central Park, Redwood City. Geo Moncrieff, et al to whom it may concern.....June 3, 1930
 June 3, 1930—LOT 3 BLK 5, Baywood. Carl Melvin Warner et al to Thomas A Cavanagh.....May 24, 1930
 June 4, 1930—PART LOTS 4, 5 and 6 Blk 23, Oakknoll Manor. Chas C England to Self.....May 29, 1930
 June 4, 1930—LOT 32, Middlefield Park. Ada T Heald to Arthur C Heald.....May 30, 1930
 June 4, 1930—LOT 59 BLK 6, Burlinhome. Morris Sorensen to whom it may concern.....

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
June 2, 1930—PART LOT 2 BLK 8, Burlingame Land Co. Concealo Fixture Co vs Anton Rulfs et al.....\$4	
June 2, 1930—PART LOTS 3 and 4 Blk 9, Burlingame Land Co. J B Griffin alias, \$65; R G Doidge, et al \$1568.79; Ideal Floor Co, \$3-, 906; Milton E Jackson, et al \$782-, 21; R Galway, \$247; J Barratto, \$66; Henry Cowell Lime & Cement Co, \$2055.29, vs Anton Rulfs.....	
June 3, 1930—LOT 2 BLK 1, Duncan Park. R C Moore vs L A Booker.....\$95	
June 4, 1930—396 ACRES m or l Sec 21 Twp 8 S Range 4 W. Manuel Cervantes et al vs R H Brotherton, et al\$112.52	

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
June 2, 1930—LOT 5, Studio Tract. T C Farris to George K Kaminn.....	

BUILDING CONTRACTS

SANTA CLARA COUNTY

OFFICES & STORES
 SAN FERNANDO ST, San Jose; all work on 2-story reinforced concrete office and store building.
 Owner—The San Jose Hardware Co., Inc., 56 W San Fernando St., San Jose.
 Architect—Binder & Curtis, 35 W San Carlos St., San Jose.
 Contractor—W. J. Ochs, 363 Taylor St., San Bruno.
 Filed and Dated May 31, 1930.
 Progress payments 75%
 Usual 35 days 25%
 TOTAL COST, \$61,138
 Bond, \$30,569. Sureties, American Surety Co. of New York. Limit, 125 days from May 31, 1930. Plans and Spec. filed.

ALTERATIONS & ADDITIONS
 STANFORD UNIVERSITY on the W line of County Road where Lassen St. intersects same; all alterations on and additions to the present old building, including the moving to its new location on property; also the construction of new foundations and removal of old work.
 Owner—The Eta Deuheron Alumni Assn. of The Theta Delta Chi Fraternity.
 Architect—Herbert O. Alden, 1047 Sunnyside Road, Oakland.
 Contractor—A. Cederborg, 1455 Excelsior Blvd., Oakland.

Filed June 3, 1930. Dated May 29, '30.
 Payments on first day of June and August, and at completion of work. Final payment usual 35 days after notice of

completion has been filed.
TOTAL COST, \$9500
Limit, 75 working days from June 1, 1930. Plans and Spec. filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
June 2, 1930—LOT 20, Maurer Sub.
Carl C. Maurer et al to whom it
may concern.....May 30, 1930
June 2, 1930—NE MIDDLEFIELD
Rd 125 SE Lytton Ave SE 75 x
NE 125 ft and being all of Lots
46, 47 and 48 and part lots 57, 58
and 59 Sub of Blk 49, Palo Alto.
Issac M. Hinson to whom it may
concern.....May 29, 1930
June 2, 1930—W 14 FT LOT 13 and
E 24 ft lot 14 blk 5, Mt Hamilton
View Park. E Horton to whom it
may concern.....May 31, 1930
June 3, 1930—PART LOT 9 Hills &
Sampson Tract. N J Nielsen, et
al to whom it may concern.....
.....May 29, '30

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
June 3, 1930—LOTS 6 and 11 BLK
3, Montecos. M Stulsaft to Bru-
no Biscaglia, et al.....\$879.91

BUILDING PERMITS

SAN JOSE

RESIDENCE, five-room frame, \$3950;
McDaniel near Park; owner and
builder, Wm. O'Neil, 1500 McDan-
iel, San Jose.
ALTER and repair class C business
building, \$9000; Third near San
Fernando; owner, L. Lion & Sons
Co., 2nd and San Fernando, San
Jose; architect, H. Krause, 145
N 9th St., San Jose; contractor, H.
Bolwin, 1041 Garland, San Jose.

RESIDENCE, 2-story 8-room frame,
\$8510; 15th nr. Margaret; wner, J.
H. Drew, 565 Coe St., San Jose;
architect, Chas. McKenzie, Twohy
Bldg., San Jose; contractor, B. H.
Painter, Gordon Ave., R. F. D.,
San Jose.

RESIDENCE, 4-room frame, \$2800; Mt.
Hamilton View Drive near 31st;
owner and builder, E. E. Brindos,
1617 Whittson, San Jose.

ALTER class C building, \$1800; Santa
Clara and 3rd; owner, Y. M. C. A.,
Santa Clara at 3rd, San Jose; con-
tractor, R. B. Gray, 715 S 5th St.,
San Jose.

REPAIR fire damage to frame resi-
dence, \$1200; 533 Auzaerlas; owner,
Vita Vamiano, 533 Auzaerlas, San
Jose; contractor J. C. Thorp, Bank
of Italy, San Jose.

ALTER frame residence, \$1800; 657
Morse; owner, C. G. Smith, 657
Morse, San Jose; contractor, A. M.
Whiteside, 71 S 19th St., San Jose.

SERVICE Station, concrete, \$2000; 1st
and Duane; owner, R. M. Gray,
830 S 11th St., San Jose.

BUILDING CONTRACTS

CONTRA COSTA COUNTY

LOT 8 and ptn Lot 6, Blk 1, and ptn
Parcel D, containing 0.177 acres in
Crockett Heights.
Owner—Herbert A. Dellus, Crockett.
Architect—None.
Contractor—G. A. Pearson, 1906 Ber-
kelyan, Berkeley.
Filed June 4, 1930. Dated, ...
When floor is laid.....\$1210.25
When plastering completed.....1210.25
When house is completed.....1210.25
Usual 35 days.....1210.25
TOTAL COST, \$4841
Contractor to furnish bond, 50% of

contract price. Sureties, National
Surety Co. Plans and Spec. filed.

SECTION HOUSES

STATION reservation of company at
Moraga Contra Costa Co.; erect
a standard section house and con-
crete septic tank; also erect other
houses in other counties.

Owner—Sacramento Northern Railway
11th and I Sts., Sacramento.

Architect—None.
Contractor—Logan Kay, 580 Vine St.,
San Jose.

Filed June 4, 1930. Dated, ...
Completion and acceptance.....\$6156
36 days after.....684

TOTAL COST, \$6840
Bond, filed. Sureties, Hartford Ac-
cident & Indemnity Co. Plans and Spec.
filed.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$4000
No. 981 College Ave., Palo Alto;
owner, F. F. Ballet.

RESIDENCE, frame and stucco, \$7,-
000; 1460 Middlefield Road; owner,
O. R. Ogren, 2376 Bryant St., Palo
Alto.

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded Accepted
June 4, 1930—PTN LOTS 3 AND
4 Blk 37, Town of Antioch. John
Taylor to George Z. Smith.....
.....June 3, 1930

June 4, 1930—BLOCKS 107 AND
108 and being in Blocks 107 and
106 of Original Survey of Mar-
tinez. Carolynne Elmquist to R
F Page

June 5, 1930—LOT 9 BLK 112, West
Side Addn No 2, Pittsburg. Tom
A and Rose DiMaggio to G E See-
no.....May 26, 1930

LIENS FILED

CONTRA COSTA COUNTY

Recorded Accepted
June 5, 1930—S 1/4 LOTS 1 AND 2
Blk .02, Frazer Addition, Rich-
mond. A Hellsten vs A F Rahl-
ves\$100

BUILDING CONTRACTS

MONTE-REY COUNTY

HOTEL
COR. ABBOTT AND MAPLE STS.
Lot 86, Salinas. All work for
two-story and basement hotel.
Owner—J. Bernardello, Salinas.
Architect—Butner & Stranahan, 22-24
Glikburg Bldg., Salinas.
Contractor—J. S. Boyd, Villa St., Sa-
linas.

Filed June 9, '30. Dated June 7, '30.
Basement and footings com-
pleted and wall forms in place
to height of 2nd floor joists. \$3285
Concrete walls poured to 2nd
floor line and concrete form
work completed 3825
Completed and roof installed 3285
Plastering completed 3285
Completed and accepted 3285
Usual 35 days.....5492
TOTAL COST, \$21,917
Bond, \$10,958.50. Sureties, C. Tynan
and L. M. Tynan. Limit, forfeit,
none. Plans and specifications filed.

COMPLETION NOTICES

MONTEREY COUNTY

Recorded Accepted
June 3, 1930—LOT 18 BLK 14
stead Addition to Salinas City.
Matt Hirvi to whom it may con-
cern.....June 2, 1930

LIENS FILED

MONTEREY COUNTY

Recorded Amount
June 7, 1930—LOT 3, Elton Hebron
Subd of Rancho L. of Alisal
Township. Sterling Lumber Co
vs Elton Hebron and H A Gray
.....\$276.40

June 7, 1930—CARMEL. William
Johnstone vs Monterey Co Trust
& Savings Bank; Hugh Comstock;
F E and M W Overhulse and
Charles Heal\$455

June 5, 1930—LOTS 105 AND 106,
Locke Paddon Bayside Subdivi-
sion of Monterey City Lands.
Fred J Weckerle vs John Campay
and John Bradley.....\$72

RELEASE OF LIENS

MONTEREY COUNTY

Recorded Amount
June 9, 1930—CITY OF CARMEL.
William Johnstone to Monterey
Co Trust & Savings Bank; Hugh
Comstock; F E and M W Over-
hulse and Charles Heal.....\$455

June 3, 1930—LOTS 3, 4, 5, 6 AND
7 Blk 113, Map of Partition, Mon-
terey. Walworth California Co to
I H Larsen; R V Larsen; H H
Larsen Co; George and Mintie
Frisbie; Nottingham Heating and
Ventilating Co; Monterey Hospital
Ltd and Mission Hospital Co.....
.....\$1794.31

June 3, 1930—LOTS 3, 4, 5, 6 AND
7 Blk 113, Map of Partition, Mon-
terey. L F Halloran and S C
Pardee (as Halloran & Pardee) to
George M and M E Frisbie; Not-
tingham Heating & Ventilating
Co; H H Larsen; H H Larsen
Co\$415
June 5, 1930—LOTS 2 AND 4 BLK
10, Third Addn to Pacific Grove
Retreat. Everett King to Harry
and Camilla Leach and Logan
Young\$43

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
May 31, 1930—LOTS 14, 16, 18 AND
20 Blk 4, Yosemite Subdivision,
Stockton. Kazuo Yada to whom
it may concern.....May 29, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
May 31, 1930—LOT 2 BLK 2, Col-
lege Park, Stockton. Fisher
Broas Lumber & Mill Co vs John
Bendouski; C H Paddock and G.
D Paddock\$294.52
May 2, 1930—LOT 12 BLK 4, Lo-
mita Park, Stockton. Diamond
Match Co vs A C Dahl.....\$595.90
June 9, 1930—PORTION OF County
Survey No. 2339. Turner Hardware
& Implement Co vs Joseph. Louise
Bennie, Annie, Emil and Josephine
Delucchi\$291.29
June 10, 1930 — LOT 4, Brunswick
Division in R 7 E, T 1, Stockton.

Hayward Lumber & Investment
Co. vs D V Perry.....\$74.40

BUILDING PERMITS

STOCKTON

RESIDENCE and garage, \$5500; No. 1630 Sutter St.; owner, O. M. Julleratt, Premises; contractor, C. H. Barton, 1014 N. Wilson Way, Stockton.

SOFT drink stand, \$1500; No. 725 N. Wilson Way, Stockton; owner & contractor, Frank R. Rossi, 211 E-Pine St., Stockton.

RESIDENCE, \$2000; No. 232 West Fourth St., Stockton; owner, Ray Corey; contractor, Randolph & West.

ADDITION, \$5000; 925 Wilson Way; owner, National Towel & Laundry Co., 925 Wilson Way, Stockton; contractor, Fred E. Taylor, 1120 W Flora St., Stockton.

DWELLING and garage, \$6000; No.

120 Euclid Ave., Stockton; owner, Marvin A. Rader, Premises; contractor, S. C. Giles, 121 Knowles Way, Stockton.

RESIDENCE, \$3000; No. 645 S. Ophir St., Stockton; owner, Rose Val-larino, 645 S-Ophir St., Stockton

BUILDING PERMITS

MARTINEZ

BUNGALOW, 5-room frame and stucco, \$5500; Talbert and Green Sts.; owner and builder, O. A. Wickman 1320 Albina, Berkeley.

STORE, stucco walls and tar-gravel roof, \$5000; Pacheco Blvd. and Jones St.; owner, S. B. Sneed, Jones St., Martinez; contractor, J. Bosley, Martinez.

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
May 27, 1930—NEAR GOLF LINKS
Tract, San Rafael. Wesley N
White and wife to whom it may
concern.....May 27, 1930
June 4, 1930—FAIRFAX. May Hal-
sey to B Kessler.....May 31, 1930

COMPLETION NOTICES

MARIN COUNTY

Recorded Accepted
June 6, 1930—TIBURON TWP. Geo
W Hope to J F McPherson.....
June 4, 1930

LIENS FILED

MARIN COUNTY

Recorded Amount
June 9, 1930—SAN QUENTIN TWP.
Geo A Shields Co vs Richmond-
San Rafael Ferry Co and W Snel-
grove\$394.90

LIENS FILED

SONOMA COUNTY

Recorded Amount
June 2, 1930—LOT 10 BLK 16, Mc-
Donald's Addition to Santa Rosa.
E W Raymond (E W Raymond
& Son) vs Thomas L Mack and W
J Lindsay\$196

BUILDING PERMITS

SACRAMENTO

RESIDENCE, 5-room) \$3600; Lot 8
Blk A, Highland Park, Sacra-
mento; owner, Julius Gugliemetti,
1017 O St., Sacramento; contrac-
tor, R. L. Hathaway, 720 Red-
wood Ave., Sacramento.

REEROOF, \$1649; No. 610-618 L St.
Sacramento; owner, Albert Elkus,
1128 40th St., Sacramento.

RESIDENCE, 5-room, \$3250; No. 1625
Fifty-second St., Sacramento;
owner, Dominic Sekul, 1641 52nd
St., Sacramento; contractor,
Joseph Pesce, Neil Tract, Sacra-
mento.

RESIDENCE, 7-room, \$8000; No. 3110
H St., Sacramento; owner, S. E.
Heden, 1811 F St., Sacramento.

RESIDENCE, 5-room, \$4000; No. 1901
Bidwell Way, Sacramento; owner
and contractor, Joseph Eden-
hoffer, 3030 17th St., Sacramento.

REPAIRS, general, \$3,000; No. 3152-
3160 Folsom Blvd., Sacramento;
owner, Robertson Govan Co.,
Premises; contractor, T. Schluc-
kerler, 2140 Marshall St., Sacra-
mento.

SERVICE station, \$1000; No. 1900
16th St., Sacramento; owner, J.
Mento, 1716 S St., Sacramento.

STORE and office building, \$4000;
No. 331 M St., Sacramento; own-
er, A. M. Taketa, 431 M St., Sacra-
mento.

BAKERY, \$7,000; 2516 Y St., Lot 6 Blk
M Highland Park; owner, C. H.
Osborne, 2432 Y St.; contractor,
Jos. Corey, 2321 Y St., Sacramento.

GARAGE, \$5000; 3216 Columbia Blvd.,
Lots 44 and 45 Columbia Terrace;
owner, Hullen Bros., 3258 Stockton
Blvd., Sacramento; contractor, F.
H. Betz, 1017 43rd St., Sacramento.

RESIDENCE, 7-room, \$5000; 2209 9th
Ave., Lot 19 W & K College Plaza
Tract; owner and builder, Henry
Schmidt, 4007 H St., Sacramento.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
May 31, 1930—SE TWELFTH AND
I Sts., Sacramento. Goodrich
Silvertown, Inc to whom it may
concern.....May 23, 1930
June 2, 1930—LOT 2419, Elmhurst.
E T Bennett to whom it may
concern.....June 2, 1930
June 3, 1930—LOT 4 BLK 4, High-
land Park, Sacramento. W E
Holmes to whom it may concern
.....May 31, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
June 2, 1930—LOT 7 OF RESUB
Lot 18, Wright Trct, Sacramento.
Pacific Coast Aggregates, Inc vs
Agnes and George Morris.....\$65.65
June 2, 1930—PTN LOT 18, Wright
Tract, Sacramento. Royal Hard-
wood Floor Co vs Agnes G and
George Morris.....\$157
June 2, 1930—LOT 6 OF RESUB
Lot 18, Wright Tract, Sacra-
mento. Pacific Coast Aggregates,
Inc vs George and Agnes Graham
.....\$111.66
June 3, 1930—LOT 54, Beverford
Heights, Sacramento. Chas Will-
iams and Frank Farrell vs Elbert
F Smith and Robert Estes.....\$190
June 3, 1930—LOT 54, Beverford
Heights, Sacramento. Enigh-
Winchell Hardware Co vs James
R and Maude J Estes\$111.21

BUILDING PERMITS

FRESNO

UNDERTAKING Parlor, \$7000; 1136 A
St.; owner and builder, J. J. Wey-
land, 3619 Platt, Fresno.

ALTERATIONS and additions, \$8,000;
744 F St.; owner, Western Meat
Co., 744 P St., Fresno; contractor,
F. R. Siegrist, 693 Mission Street,
San Francisco.

MARKET, drive-in, \$25,000; Ventura
and R Sts., Fresno; owner, Geo.
Harm, 648 Normal St., Fresno;
contractor, Fisher & McNulty,
Mattei Bldg., Fresno.

DWELLING, \$3000; No. 1448 Del Mar
Ave., Fresno; owner, A. M.
Chitty, 402 Glenn Ave., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
June 2, 1930—E ¼ LOT 5 BLK 2,
Roeding Nursery Acres, Fresno.
W B Robinson to whom it may
concern.....May 31, 1930
June 3, 1930—LOTS 4, 5 AND 6
Blk 69, Fresno. Normandie Corp
to whom it may concern.....
May 24, 1930
June 3, 1930—LOTS 10 AND 11,
Temple Park, Fresno. E G Byrd
to whom it may concern.....
May 31, 1930
June 3, 1930—LOTS 19 AND 20 BLK
25, Belmont Addition, Fresno.
Trinity Lutheran Church of Fres-
no to W T Harris.....May 31, 1930
June 4, 1930—LOTS 16 & 17 BLK
5, High Addition, Fresno. Taylor-
Wheeler, Inc to whom it may con-
cern.....June 4, 1930
June 4, 1930—LOT 32 E 20 FT. LOT
33 Blk 9, College Addn, Fresno.
Mabel B Shearman to whom it
may concern.....May 27, 1930
PLANT, casein, \$11,650; F and Invo
Sts.; owner, Danish Creamery As-
sn., E and Invo Sts., Fresno; con-
tractor, Thos. M. Paulsen, 3666 Il-
linois St., Fresno.
DWELLING and garage, \$5000; 764 A
St.; owner and builder, C. Solo.
June 7, 1930—CAMDEN Substation.
San Joaquin Light & Power Corp
to George Wood.....May 29, 1930

LIENS FILED

FRESNO COUNTY

Recorded Amount
June 3, 1930—PART VILLA LOTS
86, Fowler. J N and Sam Davis
vs Mehran Ahazadian.....\$103

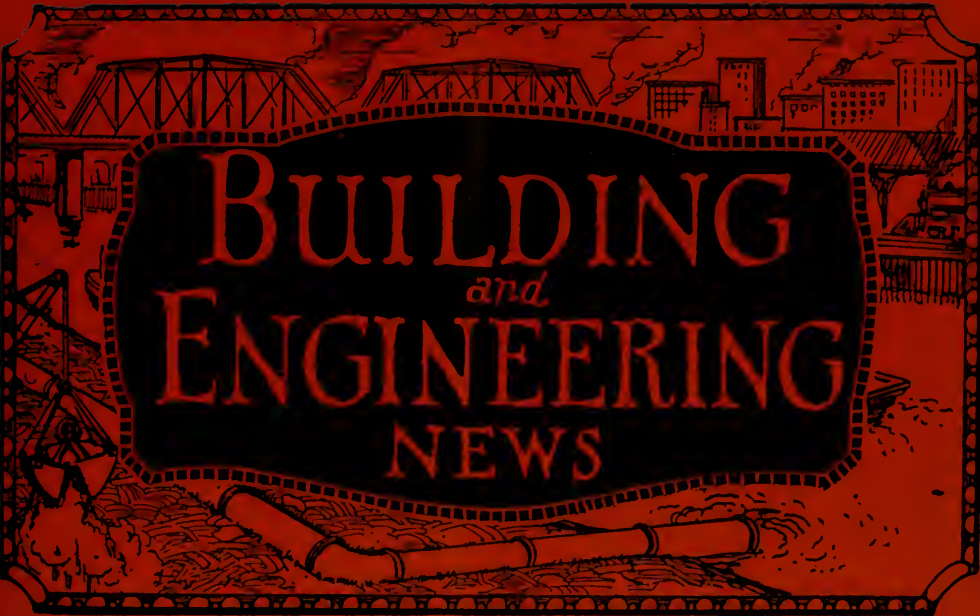
FISHER MILL AT STOCKTON SUFFERS FIRE LOSS

Plant of Fisher Bros Planing Mill
at Stockton was partially destroyed
by fire yesterday morning. The loss
is estimated at \$50,000 and is covered
by insurance. The mill will be rebuilt
at once, according to Frank T.
Fisher, president of the company.

SEEKS TO RETAIN OFFICE

T. Hayne Switzer, county surveyor
of Tulare county, has announced his
intention to succeed himself in that
position at the coming election. Swit-
zer was appointed by the board of su-
pervisors last year.

The City Council of Los Angeles
is discussing the advisability of open-
ing a city free employment agency
to devote its efforts to finding pos-
itions for residents over 50 years
of age.



BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., JUNE 21, 1930

Thirtieth Year, No. 25
Published Every Saturday



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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALF., JUNE 21, 1930

Thirtieth Year, No. 25

Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year..... 6.00
Single Copies..... 25c

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND
PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone GA 8746 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.

Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

NEW WINDOW GLASS ANNOUNCE- ED BY THE AMERICAN COMPANY

Announcement that it has begun the manufacture of a new flat-drawn window glass known as "Lustraglass" is made by the American Window Glass Company of Pittsburgh, Pa. This product is said to be superior to anything of the kind heretofore made, being much clearer, "whiter," and more lustrous than ordinary window glass. The greenish cast noticeable in most window glass has been almost entirely eliminated, which makes it more desirable, it is said. It has an advantage in that it can be glazed with either side out.

An improved process of glass-making has made Lustraglass possible, according to the manufacturers. For many years ordinary window glass was made by mechanically drawing and blowing the glass into huge cylinders which were later split and flattened. Lustraglass is drawn vertically in flat sheets. The process is continuous, the raw materials entering at one end of a huge tank machine and coming out at the other end as a perfectly flat and continuous ribbon of glass. This is cut off at intervals into great sheets. This improved process produces a perfectly flat sheet of uniform thickness, which it was impossible to attain by the old process.

Another important advantage claimed for Lustraglass by the manufacturers is that it will transmit 15 to 20 per cent of the ultra-violet rays of sunshine at 313 mu. Scientific research has disclosed that ultra-violet rays are the health-giving rays of sunlight. It is desirable, therefore, that the greatest possible amount of these rays should find their way into the home. It is claimed that ordinary window glass does not transmit any appreciable volume of ultra-violet rays below 313 mu. Lustraglass, the manufacturers assert, submits a substantial volume of these vital rays at 310 as well as 313.

The new glass is not for any special window, it is stated, but for all windows because the cost is no greater than that of ordinary window glass. It is labeled, the manufacturers state, and is also packed with paper between the lights to insure it reaching the purchaser in perfect condition.

Bulletin 101, issued by the Stroudsburg, Pa., gives a complete description of all products of the company and includes information on the installation of proper sewage-disposal equipment to care for needs varying from that of a single residence to industrial villages and manufacturing plants. The bulletin contains 24 pages and is well illustrated.

THE CONSTRUCTION INDUSTRY SHOULD BE CONSOLIDATED

When Rossell Edward Mitchell, architect of Washington, D. C., proposed a joint meeting of representatives from all elements in the building industry for the purpose of placing all of the problems of groups and localities before the industry as a solid unit, he gave expression to an idea which has been growing in the minds of all of the progressive factors and individuals concerned with building, says the American Contractor. The suggestion involves nothing of a revolutionary nature. It is entirely in accord with what other industries have done, and it is the logical consequence of evolution to a higher plane of business standards that is taking place in the building industry.

It is quite natural that organization and co-operation should have been taken place in most other industries before either was even proposed for builders. A majority of American industries are composed of a relatively small group of producers who manufacture and distribute articles which are similar. Such industries are easily isolated and identified as natural industrial groups having common problems. The building industry, on the other hand, is not so easily identified. It consists of innumerable groups. There is a large number of major groups, many of which are composed of innumerable minor classifications. They produce everything from intangible but nevertheless essential service to solid commodities. Hosts of manufacturing industries contribute a wide diversification of products. All of the service and material groups are marshaled and a building results. Positive identity of these groups as definite factors in the building industry is difficult. The condition is further confused by age old methods of letting contracts. There is overlapping of functions and wasteful competition.

Very recently contractors, architects and engineers have come to realize that their difficulties can be minimized through cooperation. Many of the problems presented to these groups are now recognized as mutual. In the several insufficient attempts that have been made to "get together" it has become further realized that these problems extend to other groups, the material men, manufacturers, realtors, banks, mortgage houses and others.

Now it seems that the elements in the industry are fairly well isolated and that the identity of the industry is established. With recognition of the factors as a possible unit, the next obvious step is to consolidate and reap the benefits of unified effort.

Mr. Mitchell has suggested that the National Building Survey Conference be used as a nucleus for the organization he proposes. The Conference includes on its role representatives from all branches of the industry. It has done some meritorious work during the building slump from which the country is beginning to emerge. It has proved conclusively that otherwise insurmountable obstacles can be over-

come by unified action. Perhaps the National Building Survey Conference should assume the initiative.

VALIDITY OF MULTIPLE DWELL- INGS LAW ATTACKED IN NEW YORK

Arguments challenging the constitutionality of section 300 of the New York State multiple dwellings law were made on May 14 before the state Court of Appeals. A year ago the court upheld the validity of the law as a whole. The section now under attack provides that plans for alterations costing more than \$10,000, or for a new tenement house, must be filed by the owner or a registered architect.

Oscar Goldschlag for sixteen years a professional engineer in New York City, filed plans for a new tenement house. The department rejected the plans on the ground that Goldschlag was not an architect. This is the test case the court is asked to pass upon and comes to the highest court on appeal from the decision of Justice Mullan, who, in special term, held that the act does not "transcend the limits of the police power of the state."

"Legislation framed in the exercise of the police power," Justice Mullan said, "must be reasonable in the sense that it must be based on reason as distinct from being wholly arbitrary or capricious, but when the legislature has power to legislate on a subject the courts may look into its enactment for enough to see whether it is in any view adapted to the end attained. If it is, the courts must give it effect, however much they might, if given the choice, prefer some other measure as more fit and appropriate."

In his argument, the attorney for Goldschlag declared that the refusal of the department to receive his plans "destroys one of the most important powers and privileges inherent to the practice of the appellant's profession as an engineer, limits and circumscribes the appellant's rights of fulfilling contracts with his employers, and hampers his means of earning a livelihood."

He insisted that section 300 is "not a proper exercise of police power, but is an unreasonable and arbitrary enactment aimed at no real evil or, if there be an evil, said section has no logical approximation to end the evil to be remedied; that it creates a monopoly in a certain field of employment in favor of one profession, namely the architect, at the expense of the engineer—a profession as well or better qualified than the architects to function in the field from which it is excluded."

National Committee of Wood Utilization, Washington, D. C., has appointed E. Mark Ferree a member of its staff. Mr. Ferree was formerly connected with the Southern Pine Association, New Orleans, La. He will be chiefly occupied with the promotion of committee projects in the consumer field.

DEVELOPMENT AND RECENT TENDENCIES IN DISTRICT HEATING

(By Prof. C. H. B. Hotchkiss)

The business of supplying heat to buildings as a utility enterprise has reached its present status through a gradual development over a long period of years. During this period there have been times of activity and expansion as well as times of retrogression. Ideas, inventions, changes in ownership, changing ideas of management, and changes in the general life of communities have all been reflected just as truly in this business as in most others. Out of it all has come the business as it exists at present. In view of this, probably the best way to get a clear picture of things as they are, is to glance briefly at some of the more outstanding features as revealed by the past.

First Central Heating Plant

The actual beginning of the practice of supplying heat from a central plant antedates the supplying of electricity from such plants. The first heating plant started operating in the '70's. It was a steam plant and steam heating was used in the buildings. Naturally, it was a purely heating plant and was not connected with electric generation in any way. It is also interesting to note that it employed a pressure which at that time was moderately high. Steam was carried underground from the generating plant to the buildings. For some years following the successful operation of this plant, a considerable boom developed in the extension of such plants. These were operated with varying degrees of success.

In the late '80's, the first installation using hot water underground made its appearance. The argument in favor of this method was that of utilizing the heat in the exhaust steam from engines to heat hot water in the generating plant. This hot water was then pumped to, and through, the buildings to be heated. The point of most interest in connection with this method is not that it used the heat of exhaust steam—for a steam system would do the same—but that in its actual usage it served to ally the supplying of heat very closely with the supplying of electric service. It served to draw the attention of the rapidly expanding electrical industry to the close relationship between central station heating and central station electric service.

Relation Between Power and Heating Realized

Here began one of the features which has greatly influenced the course of development of central station heating. As soon as the close relationship between the two services was fully realized, they began to develop together. Many electric utilities installed a heating service operating on the heat contained in the exhaust from their engines. Rates for such heat were ridiculously low, long-term contracts to supply heat at set figures were entered into, and the heating service was often used as a means of securing electrical business. In general, the business of supplying utility heat was linked to the business of supplying utility electricity.

Growth of Utility Heating Checked

Scarcely had this taken place before the growth of utility heating was noticeably checked. So long as reciprocating engines were used for electrical generation, and so long as the generating plants were located close to a heating load, the combination of electric generation and exhaust steam heating lived rather peacefully to-

gether. Soon, however, the turbine made its appearance and the use of high vacuums was developed. The turbine was most attractive when installed in large units and when operated at high vacuums. This required the extraction of the heat of vaporization at the generating station, and made it necessary to transfer the heat formerly used for heating to the condenser cooling water. This cooling water was often at too low a temperature to be useful as a means of heating buildings.

Moreover, the tendency was to build the generating stations at points distant from the heating load. As a result of these, and other conditions, the growth of electric generating plants with exhaust-steam heating was checked. In many cases the existing plants were, however, operated and continued to furnish heat. Very often, though, the electrical load developed so rapidly and furnished so attractive a return that attention was turned to it, almost to the exclusion of heating. The low rates charged for heating, and the long-time contracts also conspired to throw the heating function into disfavor.

This period may be said to represent one of stagnation and even of decline of utility heating. This period, generally speaking, ended some ten to fifteen years ago.

Recent Tendencies

Since that time there has been a marked revival of interest and of growth in district heating. This later period has been marked by several noteworthy features.

First of all, there has been a fairly general realization that the supplying of a building-heating service can be made to pay for itself when reasonably well planned and conducted. The realization of this fact has tended to make the managements of electric utilities disposed to consider the heating as something other than a nuisance.

Another notable point is that the use of hot water as a carrier of the heat has greatly declined. Not only have hot-water systems not been built in recent years but a sizeable number of those in existence has been changed to steam, although the use of hot water has much to recommend it from the utility standpoint. Perhaps this general decline of district hot-water heating has been the most clear-cut feature of the new period. It has not been universal, however.

Heating Divorced from Electric Generation

During the past ten years there has been a tendency to divorce the heating entirely from electric generation. As a result, many of the newer plants have been built as purely steam-generating plants delivering their fire heat output into the heating lines as steam. Where district heating is conducted by a corporation independent of the electric utility, its generating plant is often, indeed nearly always, of this type. This practice represents a considerable swing away from that which originally brought the two services into contact. It is interesting to note, that such plants were used when district heating first started, and that consequently the idea of steam-generating plants apart from electric generation is not a new one. Like their predecessors these plants operate on what may be called moderate pressures. Recent examples of plants of

this type are those in New York and Philadelphia.

Electric Generation Incidental

We have already noted the fact that early use was made of the idea of extracting both electric energy and heat from steam. This practice is still in use but the newer plants are arranged with an important change in their design. The older plants were intended to be primarily electric stations which used the exhaust for heating purposes. The newer plants are intended to be primarily heating plants which use some of their heat to produce electricity. In the new type of plant, the electrical generation is quite incidental to the primary purpose of furnishing steam for heating. In these plants, the basis of the load is the demand for steam for heating and not the demand for electrical energy. The turbines essentially act as reducing valves. They deliver their electrical output to the electric distribution system. On occasion, the turbines can be cut out entirely and the plant would then operate essentially as a heating plant. Recent examples of such plants are those in Rochester, N. Y., and Pittsburgh.

At the present time, then, we have a demand and tendency toward development in utility district heating with hot water dropping out of use and with the steam being generated in plants of one of two general types. Many of the older systems are still in operation, however.

The recent growth of district heating has also been marked by at least two other features which differ from its earlier expansion. In the first expansion in the early '80's, many of the developments were in small towns and in residential districts. During the growth which has marked the past ten years, the expansion has been greatest in the business districts of the larger cities, with the load being furnished largely by hotels, theaters, office buildings, apartments, and retail stores. Heating services operating in the downtown districts of the large cities are able to secure customers whose demands are heavy and to reach whom it is not necessary to install distribution lines of excessive length. Loads such as these probably represent the most highly desirable ones possible to reach with a heating service. The fact that these concentrated load areas account for much of the recent growth of utility heating does not mean that such services for small communities are unprofitable, or likely to disappear. It merely means that those operating in these areas have grown and have been financially successful. Many of the smaller plants are located in less rapidly growing districts and consequently their loads have not developed so rapidly.

Interesting developments have taken place in "block" or community systems. Apparently the general tendency is to treat the furnishing of a heating service to a scattered residential district in a somewhat different fashion, and by other interests, from that or those used in dense, downtown business centers. Probably such a policy has much to recommend it and we may look for it to continue.

Supplying Demand for Process Steam
The recent success and growth of the heating services of some of the utility companies probably has had considerable to do with the beginning of a movement which is just appear-

ing. For some time the tendency has been to generate electricity in huge central turbine-driven steam stations. Increasingly large plants have been built and increasingly large turbine units have been operated. All have been operated condensing and almost invariably the condenser cooling water containing much heat has been wasted. Recently attention has been turned once more to the problem of securing some use of this heat, while still getting good economies from the turbines. The problem is of long standing, but is now being approached from a rather new angle. The idea is to locate utility generating plants at or

near industrial plants which have a heavy demand for hot water and process steam. If such plans work out successfully, the value of a steam generating plant which utilizes the latent heat may be better demonstrated and the utility heating plant with electrical by-product generation may be re-appraised at higher values than have been assigned to it in the past. This tendency, now just starting, holds much of hope for the future development of building-heating services by utility companies. Far from being merely temporary, the rapid growth of district heating bids fair to be long sustained.

quicker turnovers of our stock and reduces the necessary capital that otherwise would be tied up in special machinery for manufacturing different size products."

"We think we are perfectly conservative in saying that the adoption of uniform-size face brick effects an annual saving of at least \$15,000 to \$20,000, which, of course, would have to be based on to the consumer with no gain from an architectural standpoint," wrote the president of a large brick manufacturing plant.

A member of a firm of consulting engineers, located in the northwest, said: "We think that it is a fine movement, and one which is sure to bring great results in years to come. You can count on our hearty cooperation."

BRICK STANDARDS SAID TO REDUCE PRODUCTION COST

(By J. F. McNeil, National Bureau of Standards)

Brick is one of the oldest of building materials. Excavation of the ruins of ancient Chaldean and Egyptian cities has unearthed crumbled brick structures, together with inscriptions dating back more than 6,000 years. In America, the manufacture of brick commenced about the year 1650. The development of this industry was very slow, however, because the producers were dependent, almost entirely, upon hand labor and upon the location of clay deposits.

Mechanical equipment for the manufacture of brick and other clay products made its appearance in England about the middle of the 19th century. A short time later, it was introduced into the United States, where the increase in production of brick thereafter was commensurate with the expansion of building and construction operations. In the year 1922, when a simplified practice recommendation was initiated in this field, the Bureau of Census reported that a production of more than 5,800,000,000 common brick and more than 1,400,000,000 face brick. Large production, such as is shown in this instance, is generally accompanied by diversification in sizes and types. Such variation starts with the birth of an industry and oftentimes continues to increase over a long period of years.

Survey Shows Many Varieties

A survey of production, in the rough and smooth face brick and common brick industry, conducted in 1922, showed 39 sizes of rough face brick, ranging in length from 7 3/4 to 8 1/2 inches, in thickness from 2 1/4 to 2 3/4 inches, and in width from 3 3/16 to 4 1/2 inches. In the manufacture of smooth face brick there were found to be 36 variations in size. Forty-four sizes of common brick were also in existence at that time. The established recommendation reduced the variety of rough and smooth face brick from 75 sizes and types to 2; and of common brick from 44 to 1. A check, following the development of the recommendation, has revealed the fact that 93 per cent of the face brick and 85 per cent of the common brick is made in accordance with the simplified schedule.

After the recommendation had been in effect for several years the Bureau of Standards made a survey to evaluate the benefits derived by the acceptors through its operation. Letters were sent to all signed acceptors requesting that they give the bureau a statement of their experience with this simplification program. Excerpts from these replies, which follow, are indicative of the fact that much benefit is being derived from the application of this recommendation. The outstanding benefits cited are smaller inventories, lower production cost, ne-

cessity for less yard space, quicker turnover, and a more satisfactory condition regarding competition.

Excerpts of Replies

"Previous to this change," replied a manufacturer whose plant is located in Ohio, "our brick were 1/2-in. oversize over all, and their weight averaged 5 pounds. Now the weight averaged by the Interstate Shipping Bureau is 4.5 pounds, which means a saving in freight. Also more tonnage can be shipped per car. The savings in a standard-size common brick are as follows: Less clay, shorter time in drying, easier for the men to handle, kilns formerly holding 400,000 bricks will now average 460,000, less hours in burning brick which means less fuel."

Another manufacturer said: "We believe that our experience justifies us in saying that we have enjoyed a saving to ourselves or to the trade of 10 per cent."

"We find that it works to advantage in smaller inventories and in convenience of supplying brick for alterations and additions to buildings. As this practice is continued, it will result in more saving and convenience," wrote the manager of a large eastern brickyard.

"Simplified practice in the brick industry," said another executive, "has produced its objective. It gets its deserved praise when mentioned among brickmakers. In our own business, it has enabled us to concentrate on one style of product which has lowered our production cost, saved yard space, lowered inventory, and given us more time to continually improve our product."

"In our particular case, replied a Virginia brickmaker, "it has increased our cost as we are making a brick that was not up to the size recommended, but we are pleased to advise that in changing to the standard size we find it is very satisfactory, since the majority of our competitors in this particular district are now manufacturing this standard size brick, and this naturally puts competition on an even basis and contractors know exactly what to expect in a brick so far as size is concerned."

Sales Manager Pleaded

"From our past experience," said the sales manager of a large manufacturing, "we find that for our business it is to be a great advantage to standardize on the manufacture of one size of face brick, as this enables us to handle our markets more efficiently, and at the same time architects and contractors readily familiarize themselves with the size of the product manufactured by us. In addition to the benefits received from the handling of our markets, it enables us to do a large volume of business on a smaller inventory, which permits

The Mount Hope Bridge, erected last year by McClintic-Marshall Company across Mount Hope Bay, between Bristol and Portsmouth, R. I., has been selected to receive the annual award of the American Institute of Steel Construction as the most beautiful long-span steel bridge built last year. The bridge was designed by Robinson & Steinman, Engineers, of New York, for the Mount Hope Bridge Company. It was opened to traffic October 24, 1929.

The American Institute of Steel Construction made two first prize awards, the first going to the most artistic long-span bridge and the other to the most artistic short-span bridge. The Mount Pleasant Bridge, constructed by the Bethlehem Steel Company over the Harlem Division of the New York Central Railroad at Mt. Pleasant, N. Y., for the Westchester County Park Commission, was judged to be the most beautiful short-span bridge of the year. Jay Downer, chief engineer for the Westchester County Park Commission, designed the bridge, which was opened to traffic in March, 1929.

Honorable mention as a most aesthetic solution of a long-span bridge problem was given the Lake Champlain Bridge, built by the American Bridge Company across Lake Champlain between Crown Point, N. Y., and Addison, Vt., which was opened to traffic November 30, 1929. Fay, Spofford & Thorndike, Engineers, of Boston, designed the structure for the Lake Champlain Bridge Commission.

The jury of award making these selections consisted of Gustav Lindenthal, consulting engineer of Jersey City; Arthur Loomis Harmon, architect of New York; Hugh Ferriss, architect of New York; William H. Burr, consulting engineer of New York; Philip A. Cusachs, architect of New York, and Dr. J. Horace McFarland, president of the Pennsylvania Art Commission.

URGE OPEN COMPETITION FOR PUBLIC WORKS

Open competition for contracts for public works is urged by the Master Builders' Association of Iowa, and resolutions to that effect unanimously adopted. The resolutions specifically criticize action of the Board of Waterworks Trustees for its recent action in awarding a contract for a water tower on a fee and non-competitive basis. The resolution explained that "the board states in making this award it acted upon advice of engineers employed by it to design the tower; that we protest such action on the part of any board or any public body in following such procedure whereby competent contractors are barred from competition for public improvements financed by public funds."

THE OBSERVER

What He Hears and Sees on His Rounds

Directors of the Retail Lumbermen's Association of California have decided to make a survey of the credit situation throughout the state.

Charles W. Fairbanks, general contractor, was elected as temporary president at the meeting of the newly organized Builders' Exchange in San Luis Obispo last Friday.

The Division of Simplified Practice of the Bureau of Standards, Department of commerce, announced the availability of Simplified Practice Wheelbarrows.

Approximate relations between Brinell, Rockwell and Shore hardnesses and the tensile strengths of structural alloy steels are given in chart and tabular form in a 4-page bulletin of the International Nickel Co., Inc., New York City.

T. L. Butcher, formerly connected with the lumber industry in the Pacific Northwest, has purchased the business of the T. G. Hersum Lumber Company at Chula Vista, San Diego County, and it will be conducted under the name of South Bay Lumber Company, Ltd.

June 24 has been set by the Auburn City Council as the date for the bond election to determine if the city shall vote \$40,000 for the erection of a new City Hall. Plans for the new building will be prepared by W. H. Weeks, San Francisco architect.

John Gregg, pioneer builder, passed away in Oakland last Friday. He was a partner of the firm of Holt & Gregg, builders. Also at one time owned and operated the Anderson Brickyard at Kennett.

Carlton H. Rose, San Francisco, spoke on "The Trend of Paint Technology" at the western zone session of the National Paint, Oil and Varnish Association held at Del Monte. Another speaker, also at San Francisco, spoke on "Mergers and Consolidations."

Announcement was made yesterday by I. Weinstein, president of Weinstein Department Stores, of the purchase of the east wing of the old O'Connor-Moffatt building, 131 Post St., at a cost of \$225,000. Alterations to the extent of \$35,000 will begin at once.

Maurice M. Daubin, manager of Sterling Lumber Company of Roseville has resigned his position to accept a more lucrative offer with Redwood Manufacturing Company with headquarters at Turlock. He has accepted the position of manager of the Turlock Lumber Company and the Hilmar Lumber Company.

Memphis, Tenn., was selected as the meeting place for the Ninth Annual National Asphalt Paving Conference to be held this year. Fifteen hundred engineers, technologists, public officials, contractors and asphalt producers are expected to be in attendance. An effort this year will be made to break all previous records.

Steel Founders' Society of America, Inc., New York City, has recently adopted and issued a standard sales agreement, order acceptance, quotation sheet, and a set of standard trade customs for that industry. The purpose is to clarify and simplify the many questions arising between buyers and sellers in order to give a more equitable understanding of contractual relations.

The National Lumber Manufacturers Association has just received a revised Safety Code for Woodworking Plants, recently published by the U. S. Department of Labor and approved by the American Standards Association. This Code, designed to insure, as far as possible, safety to life, limb and health of woodworkers in plants, carries recommendations and requirements based upon the widest and most recently available experience data.

The ratio of operations to capacity of American portland cement mills continues to be under that of a year ago as indicated by the figures for the 12 months' period ending May 31. According to statistics released by the Bureau of Mines of the Department of Commerce, the ratio of operations to capacity for the last 12 months was 66.2 per cent. The ratio percentage for 12 months period ending May 31, 1929, was 70.2 per cent.

During the month 17,271,000 barrels were produced, 17,210,000 barrels were shipped, and stocks on hand at the end of the month were 30,928,000 barrels. Production in May, 1930, was 6.9 per cent more and shipments 3.0 per cent more than May, 1929. Stocks at the mills were 4.4 per cent more than a year ago.

An increase in the exports of softwoods from foreign countries to the United States during March is reported to the lumber division of the Department of Commerce by the chief of the section of customs statistics, New York.

These receipts from foreign countries, which include boards, planks and deals of softwoods—pine, spruce, cedar, hemlock, fir and others—totalled 100,039,000 board feet, with a value of \$2,425,090, for March, 1930, as compared with \$6,996,000 board feet with value of \$2,033,195 for February.

Canada shipped to the United States during March 95,211,000 board feet of softwoods valued at \$2,401,160. The remainder of the shipments for the month were from Germany, Poland, Yugoslavia and Mexico.

Orders for lumber, both hardwood and softwood, showed some improvement over recent weeks in their relation to production, during the week ended May 31, according to reports from 556 mills to the National Lumber Manufacturers Association. Total production to these mills amounted to 334,764,000 feet, and orders were reported 10 per cent and shipments 4 per cent less than this figure. A week earlier 598 mills reported production of 376,494,000 feet with orders 81 per cent and shipments 88 per cent of that amount. Unfilled orders

at 481 softwood mills on May 31 were the equivalent of 18 days' production, the same equivalent reported by 521 mills a week earlier. As compared with last year, 457 identical softwood mills gave production as 3 per cent less, shipments 20 per cent less and orders 16 per cent less than for the same week in 1929; for hardwoods, 197 identical mills reported production 20 per cent less, shipments 35 per cent less and orders 25 per cent under the volume for the week a year ago.

A survey of production plans, district by district, at a meeting of the West Coast Lumber Industry, held at Tacoma, Washington, recently brought out the forecast that lumber production in the Douglas fir region is expected to be at from 55 to 60 per cent of capacity during the coming two or three months, and unlikely to rise much above the higher figure during the remainder of the year. Reports were given of the operating plans of more than 80 per cent of the industry's capacity. Many mills were reported as down indefinitely and practically all others as operating on reduced schedules.

Colonel W. B. Greeley, secretary-manager of the West Coast Lumbermen's Association, reported that orders since the first of the year were 61 per cent of capacity and 20 per cent below new business in the same period of last year. The industry, he stated, had produced approximately 500,000,000 feet less lumber this year than last and sold about 900,000,000 feet less. The excess lumber going in inventories had demoralized the industry and its markets, Colonel Greeley said.

An event which deserves to be remembered as one of the great milestones in the progress of public health, according to the New York department of health, occurred a century ago, James Simpson, engineer of the Chelsea Water Company, constructed at London, in 1829, the first filter for a public water supply. The purification of water supplies, probably the most valuable single measure ever developed for the protection of health, has been the chief factor in the great reduction in typhoid in the United States, and its general adoption throughout the world has saved many thousands of lives.

In 1829 the germ theory of disease was still unknown and Simpson's filter was built to perform the office of a mechanical strainer for the purpose of removing turbidity from the water. This filter is still in service and is doing work of a nature far exceeding the purpose for which it was intended.

As a result of the generosity of the people of California in voting the state building bond issue of 1926, the University of California Museum of Vertebrate Zoology, containing the largest collection of material found west of Chicago, is now out of the temporary quarters it has occupied for twenty-two years and is housed in earthquake and fireproof rooms of the new Life Sciences Building.

Professor Joseph Grinnell, curator of the museum, reports that the process of moving the more than 500,000 specimens owned by the University is now practically completed, and that for the first time in his long period of service he is able to go home with the feeling that the invaluable collection will be safe until morning.

The removal of the material from an old wood-frame and corrugated-iron building on one side of the campus to the new Life Science

Building on another side of the campus, was accomplished by the superintendent of grounds and buildings, E. A. Huggill, and his staff, without the loss or damage of a single specimen and without the serious disarrangement of any of the thousands of trays of bird and mammal skins.

The removal of the museum to permanent quarters not only assures the safety of a vast collection of material from all parts of the world which has taken twenty-two years to accumulate, but protects much material which is irreplaceable. A considerable number of the specimens represent birds or animals which are now extinct.

Every effort has been made to include facilities for the preservation of the most valuable material for all time. The University can now say that its museum is the only one in the United States boasting constant-temperature rooms for the storage of furs and skeletons of animals which have a tendency to deteriorate when subjected to light or change of temperature occurring in ordinary rooms. The constant-temperature vaults maintain a temperature of 40 degrees Fahrenheit, which slows down or stops the chemical deterioration of material, and prevents its destruction by insects or bacteria. The vaults are not only kept within one degree of this constant temperature, automatically, but are also kept perfectly dry.

In the large fur room, the pelts of thousands of animals, including such rare or extinct species as the sea otter, marten, glacier bear, etc., are hung on specially designed steel racks which make each pelt instantly available for study. Under these conditions, Professor Grinnell states, these furs, which under ordinary circumstances would last only a few years, may be kept, to all intents and purposes, forever.

On the main floor and galleries of the museum room, are some 343 zinc cases, containing thousands of shallow trays packed with bird and mammal skins, skulls and skeletons. The cases are almost airtight, yet are rather fragile, and their safe removal is considered by Professor Grinnell to have been an outstanding feat. While these zinc cases are not adapted to public display of the museum material, they also help to preserve the specimens for research work.

With the principal aims of training young men for work in forestry, lumbering and range management, the conduct of research in these fields and the dissemination of this knowledge and the enlightenment of the citizens to an understanding of the objects of forestry, the University of California Division of Forestry has published its annual announcement. This announcement, says Prof. Walter Mulford, head of the division, may be secured free from the College of Agriculture at Berkeley.

The courses offered by the University of California relate to the growing, harvesting and utilization of timber crops; the influence exerted by the forest; recreational uses of the forest; forest economics; forest management; wood technology; the lumber industry; and the management of forage resources.

The headquarters for the California Forest Experiment Station, the research branch of the United States Forest Service in California, are located in the same building at the University as the Division of Forestry, and close cooperation exists between these two agencies. Members of the

Experiment Station are available for lectures, it is pointed out, giving students an unusual opportunity for education.

The headquarters of the California District of the United States Forest Service are in San Francisco and officers there also cooperate actively with the University. The educational work of the National Park Service is likewise centered on the campus and cooperation of its officers adds materially to many courses in the study of forestry.

A group representative of the Affiliated Builders, the chapter and the associate building division of the Associated General Contractors, Portland Chapter, as well as of architect, loan and surety men, realtors, material dealers and sub-contractors and others interested in furthering the construction industry in the Pacific Northwest, met recently at the Multnomah Hotel, Portland, to discuss plans of further home building activities.

The outcome of the gathering was a unanimous vote to form committees to compile, raise funds for and distribute a booklet that is to adequately inform the prospective or wish-to-be home owner of the pitfalls on home building and the best methods of financing, of employing a dependable architect and builder, of taking precautions in selecting building materials and other suggestions pertaining to the new home or the reconstruction of the old house.

W. M. Chandler of the Chandler Construction Company, and chairman of the meeting, opened the session by briefly describing the purpose of the gathering, saying that due to the suffering of the building industry in Portland as in other portions of the country, the builders division wished to stimulate the home building business. This would bring relief to many types of business and would help the unemployment situation, said Chandler.

A general discussion was held during the evening, suggestions relative to encouraging better constructed and arranged homes, better building materials, and less old homes pushed on a stagnant market by mortgage and loan firms being prevalent.

Two petitions that are to be presented to the city council soon, under instigation of various contractors, were placed before the meeting for more signatures.

One was a petition to amend section 43 of the housing code to allow rear yard for a building located on a corner lot to be opposite either of the streets on which the lots front regardless of the location of the entrance to the building, and the other was a petition to revise section 146 of the building code to permit use of stud bearing construction in class 6 buildings not exceeding four stories in height.

Proposal of the railroads to increase the classification rating on less-than-carload shipments of paints from fourth to third class in official, southern and western classification territories, has been approved by the Interstate Commerce Commission over the protest of paint manufacturers throughout the country, it has been announced by report and order in Investigation and Suspension Docket No. 3323, according to the United States Daily.

By schedules filed with the commission the railroads proposed both increases and reductions in the carload and less-than-carload ratings in the territories involved on paints, lacquers and varnishes. The schedules become effective June 15, 1930.

No question was raised by the protesting manufacturers as to the lawfulness of the proposed reduced ratings, and little significance was attached to the other changes, due to the fact that the greater portion of their traffic is paints in less-than-carload shipments, upon which "substantial increased freight charges will apply if the proposed ratings become effective."

James McClure, 88, retired contractor, died at his home in Burlingame. Mr. McClure was formerly a well known builder of Los Angeles.

Production of 215 West Coast mills for the week ended May 31 was 151,102,000 ft. Shipments for the same period were 153,236,000 ft. and new orders totaled 152,494,000 ft.

Fourteen California redwood mills reported a cut of 5,614,000 ft. for the week ended May 31. Shipments for the week were 6,925,000 ft. and new business amounted to 5,178,000 ft.

The Soviet Union in Europe continued to be the second most important market for American construction machinery and equipment during the last calendar year, ranking after Canada, according to "Commerce Reports" for May 5, 1930. Last year shipments valued at \$1,181,558 were made to the U. S. S. R., seven per cent of the total American exports of such equipment, and an increase of \$140,000 over last year and of \$768,000 over 1927. The exports to the Soviet Union last year were mainly excavators and power shovels, and parts and accessories for these machines.

Methods of preparing and displaying safety advertising material to obtain co-operation from the man on the job are given in "Safety Advertising," a 15-page booklet issued by the Policyholders Service Bureau of the Metropolitan Life Insurance Co., New York City. The publication discusses the principles, form, appeal and media to be used in this type of publicity and is illustrated with photographs of effective bulletin board and blackboard displays.

Effective methods used for priming centrifugal pumps manually are illustrated and described in a series of bulletins bound together in loose-leaf form which may be obtained from Barrett, Haentjens & Co., Hazleton, Pa. The subject discussed in clear and non-technical language include the theory of priming, submerged pumps, the use of foot valves, air, steam and water ejectors, hand- and motor-operated priming pumps and the arrangement of intake piping.

Le Roy Building Service, 354 Hobart St., Oakland, has been commissioned by the Board of Trustees of the San Francisco War Memorial to prepare a "double take-off" quantity survey for the War Memorial Buildings to be erected in the San Francisco Civic Center.

"This marks the beginning of the use of the Quantity Survey by San Francisco architects," says Albert Le Roy, president of the Le Roy Service. The "Double take-off" assures accuracy which is the point reached in the Quantity Survey system and which is fast being recognized as a decided improvement over the present system of competitive bidding.

USE JUDGMENT IN THE PURCHASE OF EQUIPMENT

There seems to be a great tendency on the part of certain contractors to over equip themselves, particularly when undertaking a new type of work. In fairness to himself, the contractor who is contemplating the purchase of additional equipment would be well advised to ask himself these questions:

1. Do I really need this equipment?
2. Can't I get along without it?
3. Can I use it to advantage?
4. Will it justify the investment of the capital involved?

Some contractors apparently think that the more equipment they have on the job, the more efficiently will their work progress and that they will have a larger profit in the job. They consequently invest vast sums in unnecessary equipment and eventually find themselves equipment poor.

Having satisfied themselves as to the advisability and necessity for the purchase, the next thing to be considered is the design and quality of the product. He should carefully investigate the quality of the material and the workmanship entered into the fabrication of the machine. He should study the manufacturer's specifications and inform himself fully in this respect.

Of course, he will make a thorough inquiry into the performances of the machine on work similar to that for which he wants to use it. It is quite generally agreed that a certain type of equipment may give excellent service on one class of work and be far from efficient on another.

Avoid Novelties

He would do well to ascertain whether the equipment is of standard design or a novelty made up along purely theoretical lines.

Next in importance is the service the contractor may expect from the manufacturer or his authorized agent. He must remember that no machine is fool-proof and that even those built according to the most rigid specifications and inspection are liable to develop defects which are undetectable during the process of manufacture. He should make certain that the firm from whom he purchases can furnish necessary replacements without delay, as the loss of an hour's work of time will cost him many times the value of the broken part which caused the delay. Therefore, the speed with which replacements can be made is a most important consideration. The distributor should be in a position to furnish intelligent and efficient service men quick and without quibbling if the service feature is to be complete.

For his own protection, the contractor should take into consideration the general reputation of both the manufacturer and distributor. They should have a high standing in the industry for honesty and fair dealing.

Price and Value

Having satisfied himself as to these features, the all important matter of price can be given intelligent consideration. Naturally enough, the tendency will be to place the order with the manufacturer who offers the greatest value from the standpoint of quality and service at the lowest price. There will, of course, be strong inclination to buy at the lowest figure, but too much cannot be said to warn against the purchase of equipment which is sold on the basis of price only. A man seldom gets more than he pays for, though he may congratulate himself on his ability to buy at a close figure. There can be no question, however, that there is often too great a disparity between selling prices of commodities of the same or slightly

different quality. Only sound business judgment will enable the contractor to evaluate the various machines and gage their true value. It is to be expected that all but the successful salesman will question the judgment or even the sanity of the buyer but as he is the man who pays the bill, it is his undeniable privilege to buy what he pleases and from whom he pleases.

From the standpoint of the contractor to the manufacturer and distributor, the following suggestions would be in order:

Radical changes in models, which are not made as a result of thorough, practical tests should be discouraged. In the final analysis, a great portion of the loss resulting from changes in design, due to unsatisfactory service or obsolescence, is borne by the contractor. Changes of this kind are not in keeping with the trend towards standardization and the elimination of unnecessary sizes and capacities.

New models should be subjected to thorough, practical tests by the manufacturer before being offered for sale to the contractor. Otherwise the construction job is made the experimental laboratory for the manufacturer.

It would greatly facilitate the contractor's operations if the manufacturer would furnish him with a complete list of parts conveniently arranged and identified. To the manufacturer the sale of the parts themselves is but a small matter, but to the contractor the prompt receipt of replacements is of most vital importance in keeping down overhead costs. In fact, it is so very important as to warrant the suggestion that every order for parts be given precedence over routine business and be dispatched to its destination with the greatest possible speed.

It would be difficult to estimate the enormous sums spent annually by manufacturers in the preparation and distribution of advertising literature, catalogues and the like. In the interests of the contractor, such pamphlets should contain the greatest amount of information concerning the specifications, weights, sizes and other pertinent data regarding the equipment described. Contractors, as a rule, are extremely poor correspondents and will not write to the manufacturer for detailed information in which they would be interested if it was contained in the advertising.

The manufacturer should use the greatest discretion of his salesmen and distributors. There are some so-called "high powered" salesmen who are doing more to injure their employer's standing with the contractors than they are doing good. The manufacturer will better serve his own ends if he will thoroughly investigate the qualifications and reputation of his distributors before granting them agency privileges.

Fair Practice

It is usually the man who aspires a meteoric rise to contractor, who has neither the equipment, capital nor often the ability, to seek extremely long terms on his equipment purchases and it is he who usually underbids the established contractor by such a wide margin that he can scarcely break even on the job thereby preventing the responsible man from getting work at a legitimate profit. He must make some pretense of meeting his obligations and in desperation will take work far below his responsible contract. By granting unlimited terms of payment, the equipment industry contributes to the instability of his contracting business.

Instances come to light when equip-

ment salesmen have gone so far in their pursuit of business as to encourage material dealers, contractors and others, to become engaged in street and highway construction. Needless to say, the equipment distributor who goes to such ends to effect a sale incurs the illwill of the legitimate contractor, as well as, in the end, the victim he misled.

An increase in the number of contractors will not necessarily mean an increased volume of construction, and consequently, in the end will not mean an increased sale of construction equipment. Responsible contractors must have equipment to carry on their work and if they are to be deprived of that work by the irresponsible fly-by-night contractors, encouraged and financed by manufacturers or dealers, it is logical that they will not purchase equipment which they would otherwise buy.

The equipment industry gains nothing if such tactics are allowed to prevail.—(Western Canada Contractor).

14 PER CENT OF ALL LUMBER CUT IN U. S. GOES INTO BOXES

Nearly 14 per cent of all the lumber cut each year in the United States goes into the manufacture of boxes and crates, and 7 per cent of the wood pulp produced is used in the manufacture of fiber containers, according to a statement issued by the Department of Agriculture.

"The importance of the demand for boxes, crates and composition containers," says the statement, "has led to a long and detailed study of the subject by the Forest Service of the United States Department of Agriculture. In the Forest Products Laboratory at Madison, Wis., the department has been building boxes and crates and then breaking them and straining them to get exact facts on which to base plans for truly economical construction."

"A box or crate ought to be strong enough to withstand the risks of transportation to which it will be subjected and should have an ample margin of safety. But once a safe minimum standard is determined, the cheaper the lumber and the cheaper the construction costs the more economical the box will be. Box-making offers a good market for a great quantity of low-grade lumber not suitable for other purposes."

TALLEST CONCRETE BUILDING IN THE WORLD AT CHICAGO

With the completion of the Trustees System Building, Chicago, this country, may again lay claim to the tallest reinforced concrete structure in the world. This newest of Chicago skyscrapers will be 29 stories high—one story higher than the present tallest structure of this kind, located at Montevideo, Uruguay.

The new building is of concrete joist floor construction. Floor construction was started August 22 and completed November 5. The contractors are the McLennan Construction Company of Chicago.

An interesting feature in connection with the job was the framing of two floors at one time, pouring concrete to be placed on two floors consecutively. It is estimated that this plan of operation saved at least one day per floor, or a total of 29 days' time.

The Concrete Engineering Company installed and removed 232,570 square feet of Steelforms. The architects are Thielbar & Fugard; the engineer, James B. Black.

REALTORS RECOMMEND RADICAL LENGTHENING OF CITY BLOCKS

Radical lengthening of our present typical city blocks is strongly advised as a measure for cutting down the costs of home ownership in a resolution which was adopted by the board of directors of the National Association of Real Estate Boards at their quarterly meeting held in Chicago May 9 and 10.

The resolution puts the Realtors of the country on record as favoring residential blocks 1000 feet or more in length. The general use of the motor car now permits a radical lengthening of blocks in residential areas in keeping with present day convenience and economy, the resolution points out, and goes on to give the following reasons which make advisable this increased length in laying out blocks in residential districts:

1. Substantial economies in the use of the land can be obtained. Longer blocks mean reduced street area in relation to total area.

2. Frequent crossings invite personal accidents, delay traffic, and increase the problem of traffic and pedestrian supervision.

3. Longer blocks not only aid in speeding up traffic movement but also contribute a semi-suburban effect of beauty.

4. Reduction of the number of side streets results in savings to both the home buyer and subdivider. The burden of side street paving and utilities costs is decreased by fewer side streets and more land is utilisable as a result of such planning.

5. Maintenance and lighting costs of

streets can be reduced. Less frequent stops will expedite transportation service by an amount of time more than sufficient to compensate the average party for the extra walking distance.

The Association commends the suggestions for longer blocks to the consideration of local real estate boards, city planning commissions and city planning engineers. It further recommends that local member boards secure the cooperation of city planning commissions and engineers in permitting and adopting larger residential blocks in keeping with present day convenience and economy. The resolution is to be sent to all city planning commissions throughout the country.

In its resolution the Association recommends that the long block be platted parallel to prevailing traffic directions. Provisions may be made for cross walks or pedestrian ways in the center of extremely long blocks. Hazards to patrons of transit or bus lines may be reduced by locating stops at the middle of blocks.

The Association points out practical provisions which should be made to insure adequate fire protection and adequate provision for the collection of waste and garbage.

The resolution is adopted by the board of directors was brought before that body by the Home Builders and Subdividers Division of the Association which had previously adopted the recommendation. The resolution as adopted has also been understood by the city planning committee of the Association.

Sometimes contracts are awarded to the low inexperienced bidder when the second low bidder is but a few dollars higher with the result that the work is long delayed and the contractor fails, whereas the second low bidder could have completed the work on time or at a profit.

What is the cure for irresponsible bidding? The other bidders, the materialmen, the bankers, the bondsmen all put it up to the public official saying that he should reject the bid. This might be done; but why should a public official refuse to award the contract and take abuse of a political nature on the one hand and from dissatisfied persons shouting graft on the other? Even to reject the irresponsible would not eliminate the plunger. We have seen old, well established firms taking severe losses and sometimes failing; often they take an unnecessary and unreasonable length of time to complete their work. Bidding against the other fellow's costs or bidding without knowing and figuring costs have brought losses and sometimes failure to firms that had done a contracting business for years.

Determine Qualifications

The State of Illinois has worked out a system by means of which they determine what they believe to be the qualifications of the bidder. If the bidder does not qualify for the job, his bid is rejected. The plan is reported to be working successfully. However, it seems to us that they have taken the place of the bonding company and the banker, either of whom could and most certainly both should examine the bidder's financial condition and qualifications most carefully. We can see no reason why the bonding companies and the bankers cannot adopt a system such as the Illinois system and apply the same to the business to their own profit and in the interests of their clients. We have known of cases where the banker and bonding company have extended credit and written bonds for bidders who had no qualification other than the nerve to bid and ask for service. And then all of them complain when they lose their money. It is a marvel that they hadn't lost their money long ago if that is the careless way in which their businesses are conducted.

The question is up to the bankers and the bonding companies for solution and it can be solved by them with a material reduction in their own losses and a reduction in contractors' losses and failures.—(Western Canada Contractor).

THE SPIRIT OF MICHEL AND PFEFFER IRON WORKS

A portion of the main office of Michel & Pfeffer Iron Works, Harrison, at 10th Street, San Francisco, was burned out Thursday night. Yesterday, the scene, as far as the entire working personnel was concerned was one of business as usual. With firemen still there, sweeping up charred fragments and broken glass, the office force, salesmen, mechanics and executives were all organized and re-located in a portion of the main building which remained undamaged. This was accomplished before 8:30 in the morning. Such is the spirit of the heads of this business which has grown to national proportions from modest beginnings back in 1912. Being in a business which deals and manufactures entirely in metals, there was nothing to burn in the shops and stock rooms. The fire was confined entirely to the general offices. Telephone communication lines were re-established immediately.

YOU CANNOT AFFORD TO WORK CHEAPER THAN YOUR COMPETITOR

At times it seems that the most careless people in the world are bidding on contracts. One will omit to place a bid opposite an item of work; another will forget his certified check; another will have a check, but it is less than the required amount. And the next fellow is over-cautious and writes a clause or two to keep himself in the clear.

We have heard a lot about the irresponsible bidder in the last few years. This term or description does not refer so much to the fellow who forgets or who is careless as it does to the bidder who seeks a contract, although he is absolutely unqualified in one or more of the essentials for the class of work for which a contract is sought. They are not perennials, for they never come back for a second contract.

Irresponsible bidders are those who are novices, who have had no experience; those who have insufficient funds or equipment for the particular class and volume of work sought; those who are plungers; gamblers who size up the field of bidders, their previous bids on other work and make up a bid without knowing or figuring costs. We are rather convinced that some of you often are irresponsible bidders in that you bid against the field without knowing or actually studying the work and figuring costs. Gamblers, bidding against this or that man or firm instead of the actual costs of the work plus a fair profit.

Where The Mistake Comes

We do not criticize you unduly for slizing up the bidders; to do so is natural. But we do criticize you for

thinking that you can do any class of work as cheap or cheaper than the other fellow. Some people can do a good many things well and some people cannot; however, as a general rule there is some one line that a particular person can do better than the other fellow. Each of you, perhaps, have a particular line of work that you can do exceptionally well. But don't think that you can do all or many lines of work better than the other fellows, for we know that some firms do paving work unusually well, others handle team work or shovel work for less than their competitors and others build bridges or crush rock for less money than do other contractors. We know that this is true and we know that the bidder who figures he can do a kind of work as cheap as the other fellow and bids on the other fellow's costs and not his own is headed for trouble. We repeat; there are contractors who can do a particular kind of highway construction cheaper than the balance of contractors in the same line of business. Therefore, we recommend that you bid on your own costs—and study the other fellow's methods.

To get back to the other irresponsible—the novice and the plunger. These classes of bidders make up the bulk of contract failures. The loss is not alone their loss, but generally their incompetence causes losses to those who deal with them and to the public through less use of the highway, the cost of the upkeep of the detours made necessary by reason of the work, the loss of time to the traffic and many other items such as increased cost of engineering.

NEW YORK COURT OF APPEALS UPHOLDS ARBITRATOR'S AWARD

The New York State Court of Appeals, in a far reaching decision rendered May 6, 1939, in the matter of the arbitration between Finsilver, Still & Moss, Inc. (in whose favor the award had been rendered and who was represented on the appeal by Joseph Dannenberg, counsel) and Goldberg, Maas & Co., Inc. (represented by C. S. Rosenberg, counsel) held that a party to an agreement providing for arbitration under the rules of the American Arbitration Association may proceed with the arbitration and to a valid award, even though the other party refuses to participate, without first obtaining a preliminary court order directing the objecting party to proceed.

The Appellate Division, First Department, had held that Section 4-A of the New York Arbitration law authorizing such procedure was unconstitutional. Because of the fundamental question involved affecting practically all agreements to arbitrate future disputes in which a definite procedure is provided, the American Arbitration Association petitioned the Court for leave to intervene and filed a brief in support of constitutionality prepared by former Federal Judge Edwin L. Garvin and Wallace T. Stock, members of the law firm of Lewis, Garvin and Kelsey. The law was held valid.

Under this decision, if a party ignores the various notices received and fails or refuses to appoint arbitrators or attend hearings, he does so at his own risk. The arbitration may then proceed in his absence, and the arbitrator may render an award upon hearing the complaining party only. Judgment may then be entered on this award unless the defaulting party can establish that there was no arbitration agreement, or that he had not defaulted or that the arbitrators were not appointed in accordance with the method provided in the agreement.

The defaulting party's failure to proceed with the arbitration, will have lost for him, however, the opportunity to present his defense on the merits.

The Court suggests that a party who may later wish to question the existence of the agreement or whether there was proper compliance with the procedure agreed upon, may nevertheless safeguard his defense on the merits of the controversy, either by submitting his evidence at the hearing under protest and with the understanding that he reserves such rights, or by applying to the court for a stay of the proceedings pending the determination of such rights. In this connection Chief Justice Cardozo writes in a long opinion in which the entire court concurred:

"We hold that a party who joins in an arbitration after seasonable protest has the right, none the less to contest by appropriate forms of challenge the jurisdiction of the arbitrators, and that this right has not been taken away by reasonable implication through the concession of a particular remedy to a party who stays out."

The significance of the decision, according to the American Arbitration Association, is that by reversing the Appellate Division and upholding the provisions of law under which the Association had proceeded in accordance with its rules to designate the arbitrator and arrange for the hearing, the highest Court of the State has definitely relieved a party complying with his arbitration agreement from the necessity of enlisting the aid of the courts to direct a recalcitrant party to proceed and has placed upon the latter the responsibility for undertaking court action to prevent the arbitration from proceeding and, if he fails to do so, to assume the risks of his own default."

CITY MUST PAY FOR FAILURE TO DISCLOSE TRUE CONDITIONS ON PROJECT, IS COURT RULING

A contractor may recover for losses sustained by reason of misrepresentation or failure to disclose the true conditions under which certain work is to be done, according to a verdict in the Federal Court at Seattle in favor of Jahn & Bressi, engineers and contractors of Los Angeles, in their suit against the city of Seattle on a contract for construction of a tunnel and pipe line and control works for the Lake Youngs water project, says Southwest Builder and Contractor.

The case is one of great interest and importance to contractors, and particularly those engaged in engineering construction, because it establishes the responsibility of the engineer and the contractor awarding body for the exercise of due diligence in ascertaining the actual conditions under which work is to be performed as a basis for estimating the cost and protects the contractor against imposition of hazards of which he is given no inkling and which he has no reason to believe will be encountered.

News of the court victory just received by Jahn & Bressi, discloses that the judgment in their favor was for \$94,596.02. A jury was selected by the city of Seattle to try the case and ten of the twelve members were residents of that city. It would appear,

therefore, that the claims of the contractors were fully supported and that the responsibility of the city was very clearly defined.

The contract in question was awarded to Jahn & Bressi in 1924 on their bid of \$1,270,759 in competition with 5 other well known construction firms. Their price was only \$16,712 below the next low bidder. The tunnel section of the project on which great difficulty was encountered because of excessive ground water was 8 ft. net internal diameter with a concrete shell 14 inches thick. This was described in the specifications as a "pressure conduit" in which the water flowing through would be under a pressure greater than the ground water on the outside. Specifications further called for pressed steel lagging to support the earth in the tunnel while excavating.

In July, 1925, the contractors filed with the board of public works of Seattle a claim for \$210,556.14 for extra work due to the fact that a portion of the tunnel had to be constructed under air pressure because of excessive ground water which was not indicated either by plans or specifications or any of the test borings disclosed by the city prior to the award of the contract. In their complaint they informed the board that if the

claim was not allowed they could not proceed. The board elected to take over the work and it was completed by another contractor, J. M. Clapp.

In their claim filed with the board of public works Jahn & Bressi set forth that methods of construction other than those provided for in the plans and specifications had to be followed "because of circumstances and physical conditions radically different from those represented by the plans and specifications upon which the contract was entered into, which could not be anticipated, were not open to observation and could not be discovered until the specific work under the contract actually had been undertaken, and because of the inherent insufficiency of the design, plan of construction and method of work adopted by said plans and specifications, as applied to such unforeseen and different circumstances and conditions," all of which rendered their contract oppressive.

Attention of the board was directed to the fact that whereas in the specifications it was stated the tunnel section would be under a pressure greater than the groundwater on the outside, when the excavation was started at Station 20 "it became manifest that the conditions thus represented to exist were not true in fact, and the pressure of the ground water and the earth above the tunnel was so great that the plan of driving the tunnel to full size and lagging it as driven with pressed steel plates placed in direct contact with the earth, became impossible." It became necessary therefore to drive the tunnel under compressed air, a construction feature which was not contemplated by the contractors. Conditions becoming still more aggravated as work progressed it became necessary for the contractors, with the approval of and under the express direction of the city engineer, to adopt still another form of construction at Station 22, and from that point for a distance of 631 ft. "the tunnel was driven by the method of timbering with heavy timber lagging, which was also installed under compressed air at pressures ranging from 20 to 35 lbs. per sq. in."

It was further stated by the contractors that in those portions of the tunnel driven under compressed air it was also necessary to install the concrete lining under the same conditions at a greatly increased expense. Additional concrete was required for the lining and additional quantities of cement were required for grouting. These three features of construction not contemplated by the contractors from the plans and specifications were the basis for their claim for extra expenditures totaling \$210,556.14.

A detailed statement of the extra cost for construction discloses that the expense of driving the tunnel under compressed air was very heavy. For example in the 631 ft. which had to be timbered the excess cost for excavation above the normal cost of \$77 per cu. yd. under expected conditions was \$30.63, while the excess cost of placing concrete lining about the normal cost of \$8 per cu. yd. was \$16.60 per cu. yd. These prices do not include materials, timbering or rental of compressors and other special equipment, their installation and operation, power and incidentals.

In celebration of the centennial anniversary of the invention of the airplane shown by Thaddeus Fairbanks, Fairbanks, McCormack & Chicago, Ill., has issued a 20-page booklet, illustrated in color, which gives the history of the development of weighing machines and tells something of the accomplishments, aims and aspirations of the company. It is entitled "Beginning the Second Century."

Building News Section

APARTMENTS

Preliminary Plans Being Prepared.
APARTMENTS Cost, \$250,000
SAN MATEO, San Mateo Co., Calif.

Location Withheld.
Six-story and basement class C steel frame, brick and concrete apts. (21 2-3-4-5-6-7- and 8-room apts.)

Owner—Name Withheld.
Architect—Willis Lowe, 354 Hobart St. Oakland.

Sub-Bids Wanted.
APARTMENTS Cost, \$165,000
LOS ANGELES, Cal. Hayward Ave.
Seven-story and basement Class A reinforced concrete apartments (80x190 ft.)

Owner and Builder—W. I. Moffett, Pacific National Bldg., Los Angeles.
Architect—Leland A. Bryant, 6313 Hollywood Blvd., Los Angeles.

Additional Sub-Contracts Awarded.
APARTMENTS Cost, \$200,000
SAN FRANCISCO. SE O'Farrell and Franklin Sts.

Six-story steel frame and reinforced concrete class C apartments (42 2- and 3-room apts.)

Owner and Builder—C. S. Hoffman, 1541 Howard St.
Elevator—Spencer Elevator Co., 166 Seventh St.

Plastering—G. Boni, 2652 Lombard St.
Roofing—Alta Roofing Co., 976 Indiana Street.

Concrete—Bay Concrete Company, 365 Ocean Ave.

Sheet Metal—Western Furnace and Sheet Metal Works, 1143 Golden Gate Ave.

Reinforcing Steel—W. C. Hauck, 280 San Bruno Ave.

Mill Work—Holmes Planing Mill Co., 5th and Channel Sts.

Lumber—Pope & Talbot, Russ Bldg.
As previously reported, Frigidaire awarded to Frigidaire Corp., 18th and Harrison Sts.; Incinerator to Badt-Falk & Co., 557 Market St. (Heimbach 20th Century); electric work to Aetna Elec. Co., 1337 Webster St.; plumbing and heating to J. Gibbs Sons, 1706 Geary St.; structural steel to Golden Gate Iron Works, 1541 Howard St.; grading to G. Bianchini, 750 Silver Avenue.

Construction Started.
APARTMENTS Cost, \$75,000
BURLINGAME, San Mateo Co., Cal.

El Camino Real.
Three-story and basement frame and stucco apartments.

Owner—Philip Webster, 2401 Fulton Ave., Berkeley.

Architect—Edwards and Schary, 605 Market St., San Francisco.

Contractor—Daly Bros., Burlingame.

Architects are taking sub-bids.
Concrete—J. J. Morey, Menlo Park.

Plans Being Prepared.
APARTMENTS Cost, \$1,500,000
SAN FRANCISCO. W. Gough St. bet. Washington and Sacramento Sts.

Class A community apts. (height of structure not decided).

Owner—Coast Bay Co., care contractors.

Architect—Geo. K. Lham, Sharon Bldg. Excavation—Lindgren and Swinerton, Inc., 225 Bush St.

Proposed project is in a very preliminary stage. Further information will be given in about two months.

To Be Done By Day's Work.
APARTMENTS Cost, \$15,000
SAN MATEO, San Mateo Co., Calif.
502 9th Ave.

Two-story frame apts. and garage.
Owner and Builder—A. Powers, 515 S Humboldt St., San Mateo.

Contract Awarded—Sub-Bids Being Taken.

APARTMENTS Cost, \$40,000
SAN FRANCISCO. S Greenwich St. near Franklin St.

Three-story frame and stucco apts. (35 rooms).

Owner—Mrs. Sarah Schwalbe.
Private Plans—Kerner Incinerator Co., 450 Clementina St., San Francisco

Contractor—Laughlin Const. Co., 1770 Pine Street.

Incinerator Contract Awarded.
APARTMENTS Cost, \$525,000
OAKLAND, Alameda Co., Cal.

Jackson St., back of Women's City Club.

Fourteen-story Class A reinforced concrete apartment building (145 apts.; 8-room bungalow on roof, and 60-car garage in basement).

Owner—Mr. and Mrs. Henry G. Hill, 1428 Alice St., Oakland.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contractor—Chas. S. Mabrey, 730 1st National Bank Bldg., Oakland.

Incinerator—Kerner Incinerator Co., 450 Clementina St., San Francisco

As previously reported, masonry awarded to Mutual Constr. Co., South San Francisco; structural steel, to Herrick Iron Works, 18th and Campbell Sts., Oakland; rough and finish, general ornamental iron and glazing to R. W. Littlefield, 537 17th St., Oakland; tile, marble and roofing to Mallett & Peterson, 3221 20th St., S. F.; plastering to Wm. and A. Gilmour, 666 Mission St., S. F.; painting to Raphael Co., 270 Tehama St., S. F.; electric wiring to Matson-Sashbrooke Co., 4115 Broadway, Oakland; heating, plumbing and sheet metal to George Schuster, 4712 Grove St., Oakland.

Site is 85x130 feet. Plans call for ten rooms, dining room and lounge on the ground floor.

Plans Completed.
ADDITION Cost, \$5000
SAN FRANCISCO. 2265 Broadway.

One-story hollow tile addition to present 5-story apartments.

A Demonstration of the
SKILSAW PORTABLE ELECTRIC HAND SAW

Will solve your cutting problems.
(Four Models, 1/2 to 1 h. p.)

ELECTRIC HAMMERS
ELECTRIC DRILLS
GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric Tools.

1222 Mission St. Underhill
San Francisco 1267

Owner—Mrs. M. H. Gnecco, 2265 Broadway.

Architect—E. E. Young, 2002 California St.

Bids are in and will be awarded shortly.

Completing Plans
APARTMENTS Cost, \$85,000
LOS ANGELES, Cal. No. 6398 Cochrane Avenue.

Four-story and basement brick apartments (60x130 feet).

Architect—Rudolph Falkenrath, Jr., Owner—A. Dutz and M. A. Williams, Chamber of Commerce Bldg., Los Angeles.

Planned.
APARTMENTS Cost, \$—
SANTA BARBARA, Santa Barbara Co., Cal. Ocean front.

Large apartments (height and type of structure not determined).

Owner—Samuel E. Kramer (owner of Los Patios Apts.), Santa Barbara.

Architect—Wm. Mooser, Monadnock Bldg., San Francisco.

Preliminary Plans Being Prepared.
APARTMENTS Cost, Approx \$200,000
SAN FRANCISCO. Pacific Avenue.

Seven-story steel frame and brick apartment.

Owner—Withheld.

Architect—W. E. Schirmer, 700 21st St., Oakland.

BONDS

AUBURN, Placer Co., Cal.—Election will be called June 24th by city council to vote bonds of \$40,000 to finance erection of a new city hall, preliminary plans for which have been prepared by Architect W. H. Weeks, 111 Sutter St., San Francisco.

WESTLEY, Stanislaus Co., Calif.—Bond election will be held July 7 in the Westley Grammar School District to vote bonds in the amount of \$21,000 to finance construction of one-story class C elementary school. Davis-Pearce Co., Grant and Weber Sts., Stockton, are the architects.

CONCORD, Contra Costa Co., Cal.—Bond election is being held in Oak Grove School District July 13 to vote bonds in the amount of \$20,000 to finance construction of an addition to the present school. Work involves addition of an auditorium and one classroom, etc. W. E. Milwahn, Pacific Bldg., Oakland, is the architect.

ALPAUGH, Tulare Co., Cal.—Bond election will be held July 1, 1 P. M. in the Alpaugh School District to vote bonds in the amount of \$18,000 to finance construction of alterations and additions to present school in Alpaugh. E. W. Petersen, Mason Bldg., Fresno, is the architect.

MONTEREY, Monterey Co., Cal.—Bonds in the amount of \$225,000 were voted by the Monterey Union High School District to finance improvements and additions at the High School grounds. Preliminary plans are being prepared by Architects Swartz & Ryland, Spazier Bldg., Monterey, 373 Main St., Salinas, and Brix Bldg., Fresno.

LINDSAY, Tulare Co., Cal.—Bond election will be held shortly by City of Lindsay to vote bonds in the amount of \$75,000 to finance construction of a new civic center.

CHURCHES

Completing Plans.

CHURCH, ETC. Cost, \$660,000
LOS ANGELES, Cal. Sixth St. bet. Commonwealth and Hoover Sts.
Class A reinforced concrete and steel church, chapel and education building (to seat 1600).

Owner—First Congregational Church of Los Angeles.
Architect—Allison & Allison, California Reserve Bldg., Los Angeles

Plans Prepared.

CHURCH Cost, \$50,000
SAN BERNARDINO, San Bernardino Co., Cal. Ninth and F Streets.
Two-story reinforced concrete church (120x92 ft. (auditorium with stage, pipe organ, etc.))

Owner—Church of Jesus Christ of Latter Day Saints.
Architect and Supt. of Constr.—T. W. Harber, 479 23rd St., San Bernardino.

Plans To Be Prepared.

CHURCH Cost, \$15,000
SANTA CRUZ, Santa Cruz Co., Cal.
One-story frame and stucco church (1st unit).

Owner—Church of the Nazarene (Rev. E. F. Dunn, Pastor), 51 Cayuga St., Santa Cruz.
Architect—Not Selected.

Architect will be selected within one week.

Additional Sub-Contracts Awarded.

CHURCH Cost, \$359,000
SAN FRANCISCO, NE Ellis St. and Taylor St.

Six-story and basement reinforced concrete, steel and terra cotta church, hotel apts. and stores.
Owner—Glide Foundation (Mrs. L. H. Glide), 162 Uplands Ave., Berkeley (Rev. F. W. Robbins, pastor).

Architect—James Phacey, Mercantile Bank Bldg., Berkeley.
Contractor—Monson Brothers, 475 6th Street.

Electrical Work—Radelfinger Bros. 234 Fourth St.

Lumber—J. H. McCallum Lumber Co., 748 Bryant St.

Sheet Metal—Fire Protection Products Co., 1101 16th St.

As previously reported, structural steel awarded to McClintic-Marshall Co., 2050 Bryant St.; reinforcing steel to Gunn, Carle & Co., 444 Market St.; excavating to Meyer Rosenberg, 12 Oak Grove; heating to J. H. Pinkerton, 927 Howard St.; plumbing to Gilley Schmid Co., 198 Otis St.; mill work to Acme Mill Co., 6th and Channel Sts.; terra cotta to Gladding-McBean, 660 Market St.; miscellaneous iron to Fair Mfg. Co., 617 Bryant St.; tile work to Art Tile & Mantel Co., 221 Oak St.

Plans Being Prepared.

CHURCH Cost, \$30,000
NORTH OAKLAND, Alameda Co.
Two-story frame and brick veneer church (auditorium to seat 570)
Owner—Colored Baptist Church.
Architect—Chas. W. McCall, 1404 Franklin St., Oakland.

FACTORIES AND WAREHOUSES

To Be Done By Day's Work By Owner.

WAREHOUSE Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. San Fernando and Bush Streets.
Frame & corrugated iron warehouse.

Owner—Western Pacific Railroad Co., 40 N-San Carlos St., San Jose.
Architect—Eng. Dept. of Owner.

Contract Awarded.

CLEANING PLANT Cost, \$30,000
OAKLAND, Alameda Co., Cal. West Telegraph Ave. S 55th St.
One-story brick and concrete cleaning plant and 1-story brick and concrete dyeing plant.

Owner—Marshall Steel, Center Street, Berkeley.
Architect—Alben Froberg, Ray Bldg., Oakland.

Contractor—H. J. Christensen, Ray Bldg., Oakland.

Site Being Cleared.

WAREHOUSE Cost, \$—
SAN FRANCISCO, W Third St. from Mariposa to 16th St.

Four huge warehouses (assembling, storage, etc.)
Owner—Pacific Coast Steel Co., 111 Sutter St.

Engineer—Eng. Dept. of Bethlehem Steel Corp., New York.
Plans are being prepared and bids will be taken at a later date. More definite information will be given shortly.

Sub-Contracts Awarded.
WAREHOUSE Cost, \$30,000
OAKLAND, Alameda Co., Cal. Second and Harrison Sts.

One-story steel and brick warehouse (100x200-ft.)

Owner—Safeway Stores, 1th and Jackson Sts., Oakland.

Engineers—Couchot & Rosenwald, Underwood Bldg., San Francisco, and Chas. Roeth, 1404 Franklin Street, Oakland.

Contractor—Charles Heyer, Jr., Mills Bldg., San Francisco.

Structural Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.

Reinforcing Steel—Gunn, Carle & Co., 444 Market St., San Francisco.

Finish Hardware—Marshall Newell Co., Spear and Mission Sts., San Francisco.

Painting—Jos. J. Burdon, Stockton.

Glass—Type Bros., 666 Townsend St., San Francisco.

OROVILLE, Butte Co., Cal.—E. C. Ficher Lumber Company destroyed by fire, causing loss of \$25,000.

Completing Plans.
STORAGE HLDG. Cost, \$—
LOS ANGELES, Los Angeles Co., Cal. No. 1309 Alvarado Street.

Two-story and basement Class A reinforced concrete storage building (50x140 ft.)

Owner—First National Bank.
Architect—Eng. Dept. of Owner.

Bids will be taken in about two weeks.

Planned.
CONDENSARY PLANT Cost, \$200,000
MANTECA, San Joaquin Co., Cal. Milk condensary plant.

Owner—Meyenberg Laboratories, Inc. (Walter Meyenberg and H. A. Grosse), Salinas.

Architect—Not Selected.

LOS ANGELES, (A.L.—Edison Appliance Co., formerly Hotpoint Co., plans erection of large factory unit as an addition to the present plant at Ontario, Calif., according to an announcement by Geo. A. Hughes, president. New plant will cost \$1,000,000 and will be equipped for manufacture of electric ranges. Plans have not been prepared and it is understood that local architects will be engaged to handle the project. It is stated that work will be started shortly.

Bids In—Under Adviseement.
ADDITION Cost, \$30,000
SAN FRANCISCO, N California St.

Two-story and basement frame addition to present building.

Owner—Stauffer Chemical Co., 634 California St.

Architect—August Nordin, Mills Bldg.

Contract Awarded.
WAREHOUSE Cost, \$30,000
SAN FRANCISCO, SE 12th St. and Bernice.

Two-story reinforced concrete warehouse.

Owner—Bell Bros., Mills Bldg.
Architect—E. H. Denke, 1317 Hyde St.

Contractor—Cahill Bros., 206 Sansome Street.

Low Bidder.

TRANSIT SHED Cost, \$92,598
LONG BEACH, Los Angeles Co., Cal. Berth #50, Long Beach Harbor.

Concrete and steel transit shed with corrugated iron side and roofing (82x510 ft.)

Owner—City of Long Beach.
Architect—Eng. Dept. of Owner.

Low Bidder—Lynch Constr. Co., 730 Merrill Ave., Los Angeles.

To Be Done By Day's Work.
WAREHOUSE Cost, \$17,000
OAKLAND, Alameda Co., Cal. NW E 8th St. and 8th Ave.

One-story brick warehouse.

Owner and Builder—F. N. Belgrano, Jr., 376 Pine St., Oakland.

Architect—None.

Contract Awarded.
WAREHOUSE Cont. Price, \$23,999
SACRAMENTO, Sacramento Co., Cal. Tenth and R Streets.

Two-story and basement concrete paint warehouse.

Owner—W. P. Fuller & Co., 301 Mission St., San Francisco.

Architect—Coffman, Sahlberg & Stafford, Forum Bldg., Sacramento.

Contractor—Azevedo & Sarmento, 920 O St., Sacramento.

SUISUN, Solano Co., Cal. — Suisun Steam Laundry, Jean Lassalle, Prop., Suisun, is contemplating the erection of a modern laundry building in the near future. Further information will be given when plans are further advanced.

Plans Being Figured—Bids Close June 30, 4:30 P. M.

SPRINKLER SYSTEM Cost, \$—
OAKLAND, Alameda Co., Cal. Inner Harbor.

Sprinkler system and electric work for Ninth Avenue Pier shed.

Owner—City of Oakland (Port Commission), 424 Oakland Bank Bldg. Oakland.

Architect—Engineering Dept. of Port Commission, 424 Oakland Bank Bldg., Oakland.

VISALIA, Tulare Co., Cal.—Hammer Pump Works suffered fire loss of \$20,000, fully covered by insurance.

Sub-Bids Being Taken.
BUILDING Cost, \$25,000
SAN FRANCISCO, N Mission St. bet. Fifth and Sixth Sts.

Two-story reinforced concrete building.

Owner—Mrs. T. Lyons.
Architect—G. Frederick Ashley, 525 Market St., San Francisco.

Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Excavation—Sibley Grading & Teaming Co., 165 Landers St., S. F.

Sub-bids are being taken on other portions of the work.

PARLIER, Fresno Co., Cal.—Herring Fruit Co. Plant No. 2, suffered fire loss in the amount of \$15,000. Plant partially covered by insurance. Will be reconstructed immediately.

GARAGES AND SERVICE STATIONS

Contract Awarded.
AUTO SALES BLDG.
Cont. Price, \$33,825
ALAMEDA, Alameda Co., Cal. Park St. and Buena Vista Ave.
One-story Class C auto sales and garage building.
Owner—Frank Dietz, 2318 Central Ave., Alameda.
Plans by Angelo Heweston, 1100 Versailles Ave., Alameda.
Contractor—Conrad Roth, 2101 Central Ave., Alameda.

Contract Awarded.
STATION Cost, \$60,000
ALBANY, Alameda Co., Cal. No. 1516 Solano Avenue.
Steel frame service station.
Owner—Anna V. King, 519 Curtis St., Albany.
Architect—None.
Contractor—Independent Iron Works, 1824 Chase St., Oakland.

Contract Awarded.
GARAGE Cost, \$18,000
TRACY, San Joaquin Co., Cal. State Highway.
One-story garage and auto sales building (70x152 feet).
Owner—Withheld.
Architect—None.

To Be Done By Day's Work By Owner
GARAGE Cost, \$10,000
FRESNO, Fresno Co., Cal. No. 503 Terrace Avenue.
One-story garage and dwelling.
Owner—Taylor-Wheeler, Inc., Power Architect—Eng. Dept. of Owner.
Co. Bldg., Fresno.

Contract Awarded.
GARAGE Cost, \$11,090
SAN JOSE, Santa Clara Co., Cal. N. Santa Clara St. near Autumn St.
One-story reinforced concrete garage.
Owner—California Federal Finance Corp.
Architect—Herman Krause, 243 N. St., San Jose.
Contractor—Megna & Newell, Bank of Italy Bldg., San Jose.

GOVERNMENT WORK AND SUPPLIES

HAWTHORNE, Nev.—Pacific Door & Sash Co., 6600 Lexington Ave., Los Angeles, submitted low bid of \$7500 to the Bureau of Yards and Docks, Navy Dept., Washington, D. C., June 11 for screens to be installed at the Naval Ammunition Depot, Hawthorne, Nev. Elkes, Inc., 1209 V. 8th St., Los Angeles, submitted low bid of \$1109.50 for window shades. Bids were taken as follows: (1) complete; (2) screens only; (3) shades only. Bids follow: E. F. Burrows Co., (2) \$8900; Tri-City Window Shade Mfg. Co., (3) \$1527.55; Manthey Bros., (4) \$1191.68; A. S. Bacon and Sons, (2) \$8962.25; Pacific Door and Sash Co., (2) \$7500; Orange Screen Co., (2) \$13,000; Swelm the Shade Man, (1) \$2450; D. N. & E. Walter & Co., (2) \$1261; Monarch Screen Mfg. Co., (2) \$11,962.19; Sampson Co., (1) \$11,295; The Blind Co., (3) \$1300; Elkes, Inc., (3) \$1103.50; Hippolito Co., (2) \$8450; Phenix Mfg. Co., (1) \$11,025; (2) \$9975; (3) \$1350.

SAN FRANCISCO—McCarthy & Johanns at \$161 submitted lowest bid

to Public Works Officer, Twelfth Naval District, 100 Harrison St., to provide and secure an inclosing partition in corner of office on third floor of Marine Corps Depot of Supplies, 100 Harrison St. Following is a complete list of bids:

McCarthy & Johanns, \$161; Fink and Schindler, \$242; D. L. Blenheim, \$273.50; John Hardness, \$295; Wm. A. Rainey & Son, \$250.60; F. A. Lorenz, \$340; J. S. Hannah, \$415.80.

Bids referred to Washington for award.

SAN FRANCISCO—F. A. Lorenz at \$317 awarded contract by Public Works Officer, 12th Naval District, 100 Harrison St., for installation of wood and glass partitions, tongue and grooved partitions, lockers and work bench at the U. S. Naval Reserve Armory, 105 Market St.

Contract Awarded.
REPAIRS Cost, \$448
SAN FRANCISCO. Yerba Buena Island, San Francisco Bay.
Repairs and re-roof Building No. 13 at Naval Receiving Ship Station (Spec. No. 6094).

Owner—United States Government.
Architect—Bureau of Yards & Docks, Navy Dept., Washington, D. C.
Contractor—Malott & Peterson, 3221 20th St., San Francisco.

POMONA, Los Angeles Co., Calif.—Chas. Conger, 145 W. Commercial St., Pomona, has been awarded contract by the Supervising Architect, Treasury Department, Washington, D. C., for making a topographical survey and soil investigation proposed new U. S. post office building site on Thomas St. between 4th and 5th Aves., Pomona. Following completion of the survey plans for new building will be prepared by Supervising Architect in Washington. Cost, \$250,000.

SAN BERNARDINO, Calif.—Robert McKee, Central Bldg., Los Angeles, submitted the low bid of \$216,000 for the erection of a new U. S. post office building at San Bernardino. The building will be a 2-story and basement fireproof structure which will occupy a ground area of approx. 15,000 sq. ft. Plans call for steel frame and reinforced concrete and brick construction, terra cotta, stone work, hardwood trim, tile roofing, marble and tile work, steam heating plant, steel sash, etc. The other bids follow: Los Angeles Const. Co., \$219,000; Chas. Weitz Son, \$220,161; J. S. Taylor, \$222,953; W. T. Loesch & Sons, \$223,812; A. G. Knerr & Son, \$224,567; Schuler & McDonald, \$224,700; W. D. Lovell, \$227,970; Wm. MacDonald Const. Co., \$229,670; R. Westcott Co., \$230,900; Miller & Schultz, \$232,850; Baker & Robinson, \$233,390; H. D. Timmerman and Son, \$240,000; G. F. Campbell Bldg. Co., \$241,400; W. E. Kier Const. Co., \$242,000; Devault & Deltrick, \$242,407; R. E. Campbell, \$247,700. Elevators—Kimball Bros. Co., \$4780; Otis Elevator Co., \$4797; Consolidated Steel Corporation, \$6200.

HAWTHORNE, Nev.—Bert Perry, Los Angeles, submitted low bid at \$10,632 to Bureau of Yards and Docks, Navy Department, Washington, D. C., to furnish and install dial type telephones, central office equipment, complete with protector frame, storage battery, rectifier and power connections and wiring and overhead telephone lines at the naval ammunition depot.

Three low bids received are: Bert Perry, Los Angeles.....\$10,632
Schulz & Fuhr, Milwaukee, Wis. 12,124
Harrison-Wright, Charlotte, N.C. 12,000

Planned.
POST OFFICE Cost, \$195,000
MODESTO, Stanislaus Co., Calif.
One-story and basement brick terra cotta post office (9140 sq. ft.)
Owner—United States Government.
Architect—Supervising Architect, Treasury Dept., Washington, D. C.
Bill is now before Congress.

Contract Awarded.
POST OFFICE Cost, \$216,000
SAN BERNARDINO, San Bernardino Co., Cal.
Two-story and basement concrete and brick post office (114x130 ft.)
Owner—U. S. Government.
Architect—Supervising Architect, Treasury Dept. Washington, D. C.
Contractor—Robert McKee, 1128 Central Bldg., Los Angeles.

SAN FRANCISCO.—Severin Electric Co., 172 Clara St., at \$5,771 submitted lowest bid to Constructing Quartermaster, Fort Mason, for installation or night lighting system at Crissy Field, Presidio.

Following is a complete list of bids:
Severin Electric Co.....\$ 5,771
Butte Elec. & Mfg. Co.....5,780
H. S. Little Co.....6,150
Globe Electric Co.....7,500
Harber & Cullen.....7,785
P. & B. Const. Co.....9,470
Pence-Mors Elec. Co.....16,074
Bids held under advisement.

Planned.
POST OFFICE Cost, \$695,000
STOCKTON, San Joaquin Co., Calif.
One- and 2-story and basement stone face fireproof post office.
Owner—United States Government.
Architect—Supervising Architect, Treasury Dept., Washington, D. C.
Bill is now before Congress.

PRESCOTT, Ariz.—Until July 14, 3 P. M., bids will be received by J. A. Wetmore, Supervising Architect, Treasury Dept., Washington, D. C., to install one electric passenger elevator in U. S. Post Office, Prescott, Ariz. Specifications obtainable from above.

Additional Sub-Contracts Awarded.
BUILDING Cost, \$1,127,388
SAN FRANCISCO. U. S. Marine Hospital, Presidio.
Main building, attendants' quarters, boiler house and laundry.
Owner—U. S. Government.
Plans by Supervising Architect, Washington, D. C.
Contractor—Clinton Construction Co., 923 Folsom St.
Lime Stone—Bedford Cut Stone Co.
Sheet Metal—Fire Protection Products Co., 1101 16th St., San Francisco.
Mill Work—Lannom Bros. Mfg. Co., 5th and Magnolia Sts., Oakland.
Plastering—Wm. Gilmour, 666 Mission Street.
Reinforcing Steel—Truscon Steel Co., Call Bldg.
Terra Cotta—N. Clark & Son, 116 Natoma St.
Tile—Malott & Peterson, 3221 20th St.
Ornamental Iron—Monarch Iron Wks., 262 7th St.
Hardware—Marshall-Newell Co., Spear and Mission Sts.
Painting—Aristo Painting Co., 473 Bryant St.
Refrigeration—Dealers Refrigerator Co., 456 6th St.
Marble—Eisele & Dondoro, 2895 3rd St.
As previously reported, excavating awarded to J. P. Holland, 1834 McKinnon St.; brick work to White & Gloor, Monadnock Bldg.; structural steel to Dyer Iron Works, 17th and Kansas; electric work to Severin Electric Co., 172 Clara St.; plumbing, heating and ventilating to Mechanical Contracting Co., 83 Shipley St.

Planned.
POST OFFICE Cost, \$180,000
MERCED, Merced Co., Calif.
One-story and basement brick post office (7,440 sq. ft.)
Owner—United States Government.
Architect—Supervising Architect, Treasury Dept., Washington, D. C.
Bids is now before Congress.

SAN FRANCISCO—Until June 23, 11 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for interior painting of three hospital buildings at Letterman General Hospital. Further information obtainable from above.

HALLS AND SOCIETY BUILDINGS

Contracts Awarded.
LODGE BLDG. Cost, \$30,000
NILES, Alameda Co., Cal.
Two-story brick lodge building.
Owner—Odd Fellows Lodge.
Architect—George Ellinger, 1723 Webster St., Oakland.

Plumbing
W. H. Picard, 5636 Colgate Ave., Oakland\$997

Finish Hardware
Maxwell Hdwe. Co., 1320 Washington St., Oakland\$390

Sheet Metal
H. Hofvendahl, 2254 E 14th St., Oakland\$204

Painting
Chas. Mathews\$545

Ornamental Iron
Fraunfer Ornamental Iron W'ks, 335 8th St., Oakland\$210

Electric Wiring
Kerr & Clifford, 3525 E 14th St., Oakland\$336

Linoleum Floors
Anderson Carpet House, 519 13th St., Oakland\$674

Hardwood Floors
Rex Floor Co., 2468 65th Avenue, Oakland\$390

Glass
F. J. Fuller, 12th and Jackson Sts., Oakland\$473

Plastering
W. J. Biddel\$1,350

Roofing
M. & L. Roofing Co., 9224 Foot-hill Blvd., Oakland\$425

Tile Floors
Superior Tile Co., 3743 Broadway, Oakland\$360

Carpentry, Lumber and Mill Work
Emil Person, Berkeley\$6,432

Steel
Herrick Iron Works, 18th and Campbell Sts., Oakland\$276

Waterproofing
Horn Products Co., 354 Hobart St., Oakland\$146

Wrecking and Moving
E. N. Bottemiller, 1527 80th Ave., Oakland\$975

Concrete
A. Soder & Son\$786

Brick
George W. Addison, 2939 Minna St., Oakland\$4,468

Plans Being Completed.
AUDITORIUM Cost Approx. \$15,000
GRASS VALLEY, Nevada Co., Cal.
One-story frame auditorium.
Owner—Sisters of Mercy, Grass Valley
Architect—Harry Devine, California State Life Bldg., Sacramento.

Bids will be taken in about one week (777) 1st report May 31, 1930 15
Plans Being Figured—Bids Close
June 19, 2 P. M.

Plans Being Figured—Bids Close
July 10.

TEMPLE Cost, \$200,000
SANTA ANA, Orange Co., Cal. Sycamore and Fifth Streets.
Four-story and basement steel and brick Masonic Temple (90x117 ft.)

Owner—Masonic Temple Association
Architect—W. Horace Austin, Pacific Southwest Bldg., Los Angeles.

Plans Being Figured.
ALTERATIONS Cost, \$—
OAKLAND, Alameda Co., Calif. 12th and Clay Streets.
Remodel present club building.
Owner—Athens Club.
Architect—John J. Donovan, Tapscott Bldg., Oakland.

Bids will be taken some time in June.

Work involves changes in the steam heating system and enlargement of steam and hot room facilities.

Preliminary Plans Prepared.
LEGION BLDG. Cost, \$150,000
LONG BEACH, Los Angeles Co., Cal. Fifth and Alamitos Ave.

Two-story concrete Legion Building 104x109 ft.)

Owner—Arthur L. Peterson Post, American Legion.
Architect—Schilling & Schilling, Farmers & Merchants Bank Bldg., Long Beach.

Bids To Be Taken Within A Few Days
GUN CLUB Cost, \$35,000
LOS BANOS, Merced Co., Calif.

One-story frame gun club.
Owner—George Bowles, 2312 Washington St., San Francisco.

Architect—Edw. T. Foulkes, 357 12th St., Oakland.

Commissioned To Prepare Plans.
COMMUNITY CENTER Cost, \$65,000
SAN FRANCISCO California Street and Presidio Avenue.

Reinforced concrete community center
Owner—Jewish Community Center, Sidney M. Ehrman, Chairman, 63 Post St., San Francisco.

Architects—Hyman & Appleton, 68 Post St., and Arthur Brown Jr., Kearny St., San Francisco.

Proposed building will contain gymnasium, swimming pool, handball courts, auditorium, theatre, club rooms, lecture hall, game rooms, lounge rooms and kitchen.

Plans Being Figured.
LODGE BLDG. Cost, \$65,000
BUREBANK, Los Angeles Co., Cal. Palm Avenue.

Two-story brick or concrete lodge (10,195 feet).

Owner—B. P. O. Elks Lodge, Burbank.

Architect—Rudolph Falkenrath Jr., Chamber of Commerce Bldg., Los Angeles.

HOSPITALS

Plans Being Figured—Bids Close
June 25, 3 P. M.

ADDITION Cost, \$30,000
with equipment.

SAN FRANCISCO. Sutter and Scott Streets.
One-story brick addition to laboratory building

Owner—Mt. Zion Hospital, Premises.
Architect—Arthur Brown Jr., 251 Kearny St., San Francisco.

Prospective bidders:
Barrett & Hily, 918 Harrison St., San Francisco.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

J. Harold Johnson, Hearst Bldg., San Francisco.

Vogt & Davidson, 185 Stevenson St., San Francisco.

Gauley & Yount, 299 22nd Ave., San Francisco.

K. E. Parker, 135 South Park, San Francisco.

Spivock & Spivock, Hobart Bldg., San Francisco.

Mr. Mattock, 210 Clara St., San Francisco.

F. R. Siegrist, 604 Mission St., San Francisco.

Preparing Plans.
INSTITUTION Cost, \$—
PHOENIX, Arizona. 80 acre site.
State Institution for defective children
Owner—State of Arizona.
Architect—Lescœur & Mahoney, Bank of Arizona Bldg., Phoenix.

Completing Plans.
HOSPITAL Cost, \$—
SAN BERNARDINO, San Bernardino Co., Cal. Highland and Waterman Avenues.

Five-story Class A reinforced concrete hospital (200x200 ft.)

Owner—Sisters of Charity.
Architect—L. E. Loveless, Robertson Bldg., Beverly Hills.

Bids will be taken within a few days
There will also be a three-story reinforced concrete chapel and convent. It will be 100x100 feet.

Preparing Plans.
CHILDREN'S HOME Cost, \$—
LOS ANGELES, Los Angeles Co., Cal. Lexington Ave. and Westmoreland Street.

One-story and basement reinforced concrete children's home (accommodate 20).

Owner—Junior League of Los Angeles.

Architect—Lester H. Hibbard, Architects Bldg., Los Angeles.

Contract Awarded.
ADDITION Cost, \$275,000
PHOENIX, Arizona. Tenth and McDowell Sts.

Four-story Class A reinforced concrete and pressed brick addition to hospital (44x151 ft.)

Owner—Good Samaritan Hospital.
Architect—Lescœur & Mahoney, Bk. of Arizona Bldg., Phoenix.

Contractor—Wm. Peper, Heard Bldg., Phoenix.

The power plant and laundry will be housed in a separate building, 90x40 feet in size. New boilers will be installed and a 100-foot stack built.

Plans Being Figured.
LABORATORY Cost, \$—
PHOENIX, Arizona. NW McDowell Road and Tenth St.

Masonry medical research laboratory (1st unit) (200x70 ft.)

Owner—Wm. C. Grunow.
Architect—Fitzhugh & Byron, Home Builders Bldg., Phoenix.

Preparing Working Drawings.
HOME Cost, \$50,000
OAKLAND, Alameda Co., Cal. E. Twenty-ninth Street.

Two-story Class C concrete Home for Aged.

Owner—Salem Lutheran Benevolent Assn., Oakland.

Architect—Henry H. Guttererson, 526 Powell St., San Francisco.

Bids will be taken about August 15.

Sub-Contracts Awarded.
ADDITION Cont. Price, \$150,389
OAKLAND, Alameda Co., Cal. Fairmont Hospital.

Two-story Class C reinforced concrete hospital addition.

Owner—County of Alameda.
Architect—H. H. Meyer, Kohl Bldg., San Francisco.

Contractor—Geo. J. Maurer, 50 York Drive, Oakland.

Heating—George Bell, 1826 E-15th St., Oakland.

Plastering—Samuel Muriale, 3831 La Cresta Ave., Oakland.

Electric Work—Spott Elec. Co., 2095 Broadway, Oakland.

As previously reported, plumbing awarded to J. A. Fazio, 402 Castro St., Oakland, at \$12,684.

HOTELS

LOS ANGELES, Cal.—Los Angeles City Council adopted zoning ordinance which will permit construction of Hollywood Ritz-Carlton Hotel at head of Argyle Ave. in Hollywood Hills, by California Western Holding Co. Cost \$2,500,000. Gordon B. Kaufman, 610 Union Bank Bldg., architect.

Contract Awarded.
ALTERATIONS Cost, \$7000
SAN FRANCISCO. 615 Broadway.
Alterations to hotel.
Owner—Mrs. Mary Marsicano, 781 Green St.
Architect—None.
Contractor—J. Martinelli, 666 Mission Street.

Plans To Be Prepared.
HOTEL Cost, \$300,000
SAN LEANDRO, Alameda Co., Cal. E-Fourteenth Street.
Six-story Class C hotel (102x200 ft.)
Owner—Rep. L. S. Pratt, 261 Davis St., San Leandro.
Architect—Benjamin G. McDougall, 353 Sacramento St., San Francisco
Proposed project is still in the promotion stage.

Plans Being Completed.
HOTEL Cost, \$250,000
OAKLAND, Alameda Co., Cal. Vicinity of Lake Merritt.
Ten-story Class A reinforced concrete hotel.
Owner—Withheld.
Architect—Louis Upton and George Ralph, 110 Sutter St., San Francisco.
Bids may be called for in two or three weeks.

Construction Indefinitely Postponed.
HOTEL Cost, \$300,000
SAN FRANCISCO. N McAllister 137 W Polk St.
Ten-story class A hotel (166 rooms).
Owner and Builder—Haley Bros., Russ Building.
Plans by Owner.

Planned.
HOTEL Cost, \$300,000
SAN LEANDRO, Alameda Co., Calif. E 14th St.
Fireproof hotel (102x200-feet; height and type of structure not determined).
Owner—Represented by L. S. Pratt, 261 Davis St., San Leandro.
Architect—Withheld.

Preparing Working Drawings.
HOTEL Cost, \$—
SANTA BARBARA, Santa Barbara Co., Cal. East Blvd.
Two and three-story frame and stucco hotel (82 rooms, lounge, dining room and kitchen).
Owner—Fred Bartholomew et al.
Architect—Walker & Eisen, Western Pacific Bldg., Los Angeles.

Planned.
HOTEL Cost, \$—
HUNTINGTON BEACH, Los Angeles Co., Cal. First St. and Huntington Beach Blvd.
Class A hotel.
Owner—Walter J. Hill (Prop. Midway City), Huntington Beach.
Architect—Not Selected.

Bids Opened.
HOTEL Cost, \$500,000
EUREKA, Humboldt Co., Calif. NW Fourth and F Sts.
Ten-story Class B reinf. concrete 200-bed modern hotel building.
Owner—Pickwick Co. (Ed. Thompson, 5th and Mission Sts., San Francisco, in charge).

Architect—O'Brien Bros. and W. D. Peugh, 315 Montgomery St., San Francisco.
Low Bidder—Jas. L. McLaughlin Co., 251 Kearny St., San Francisco.
Other bidders as follows, according to their bids:
L. E. Dixon, Los Angeles.
Larsen & Larsen, San Francisco.
Mercer-Fraser Co., Eureka.
Bids referred to Los Angeles for award.

POWER PLANTS

Plans Being Prepared.
ADDITION Cost, \$150,000
PASADENA, Los Angeles Co., Cal. Glen Arm Street.
Reinforced concrete addition to light plant.
Owner—City of Pasadena.
Architect—Bennett & Haskell, First Trust Bldg., Pasadena.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

Plans Being Figured—Bids Close July 9, 7:30 P. M.
ALTERATIONS Cost, \$12,000
MODESTO, Stanislaus Co., Cal. City Hall.
Enlarging and remodeling city clerk's office.
Owner—City of Modesto (H. E. Gragg, city clerk).
Engineer—Frank J. Rossi, city engineer, Modesto.
Plans and specifications obtainable from Frank Rossi, city engineer, on deposit of \$10, returnable. Certified check of 10% required, payable to Mayor.

Contractors Taking Off Quantities.
LEGION BLDG. Cost, \$2,000,00
SAN FRANCISCO. Civic Center.
Four-story and basement concrete class A Legion Building (brick backing and terra cotta facing).
Owner—City and County of San Francisco (S. F. War Memorial).
Architect—G. A. Lansburgh 140 Montgomery St. and Arthur Brown, 251 Kearny St.
A. Wagstaff, 451 Montgomery Street, is in charge of the memorial drafting rooms.
Following contractors taking off quantities on concrete, excavation, etc.
Lindgren & Swinerton, Inc., 225 Bush Street.
P. J. Walker Co., Sharon Bldg.
Dinwiddie Const. Co., Crocker Bldg.
MacDonald & Kahn, Financial Center Bldg.

Plans Being Figured—Bids Close July 9.
ALTERATIONS Cost, \$12,000
MODESTO, Stanislaus Co., Cal. City Hall.
Enlarging and remodeling city clerk's office.
Owner—City of Modesto.
Engineer—Frank J. Rossi, City Engineer, Modesto.

Plans Being Completed
ADDITION Cost, \$250,000
SAN FRANCISCO. Golden Gate Park
Addition to present Academy Building (steel and brick construction)
Owner—California Academy of Science, Premises.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Bids will be called for shortly.

Planned.
CITY HALL Cost, \$—
SAN BRUNO, San Mateo Co., Calif. City hall and civic center.
Owner—City of San Bruno.
Architect—Not Selected.
A committee composed of Harry

Hall, permanent chairman; Judge R. A. Rapsey, sub-chairman; J. P. Bou. F. W. Kickbush was appointed to interview owners of the Jenevein property with the purpose of securing the rest of the land for the city. When this has been completed the city will be able to go ahead with their plans for creating a new civic center.

Preparing Plans.
ADDITION Cost, \$250,000
SAN FRANCISCO. Golden Gate Park
Addition to present Academy Building (steel and brick construction)
Owner—California Academy of Science, Premises
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Bids will be taken in about sixty days.

Bids Opened.
GUARD HOUSE Cost, \$15,000
YOUNTVILLE, Napa Co., Cal. Veterans' Home.
Two-story reinforced concrete guard house (tile roof; 30x70-ft.)
Owner—State of California.
Architect—Geo. B. McDougall, Public Works Bldg., Sacramento.
Following is a complete list of bids:
Gaubert Bros., 4735 Brookdale Ave., Oakland.....15,750
Sorensen & Haggmark, S. F.....15,843
The Minton Co., Mt. View.....16,355
J. F. Shepherd, Stockton.....16,728
E. T. Leiter & Son, Oakland.....17,467
C. J. Hopkinson, Stockton.....17,628
David Nordstrom, Oakland.....17,853
George Swanson, Oakland.....17,972
Chas. D. Vezey & Son, Oakland.....18,350
J. F. Hannah, San Francisco.....18,820
Nils E. Johnson, S. F.....19,195
Bids held under advisement.

RESIDENCE

Plans Being Prepared.
RESIDENCE Cost, \$—
SANTA CRUZ, Santa Cruz Co., Cal.
One-story frame and stucco residence (12 rooms).
Owner—Miss Marion Collins.
Architect—Wm. W. Wurster, 260 California St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, \$12,000
SANTA ROSA, Sonoma Co., Cal.
Two-story frame and stucco residence (8 rooms, 2 baths) (Spanish type)
Owner—A. Bacigalupi, 320 S. Davis St., Santa Rosa.
Plans by R. J. Whiting.
Contractor—Robert J. Whiting, 624 Spencer St., Santa Rosa.
Concrete Work—D. Lancina, Santa Rosa.
Lumber—E. Y. White, Santa Rosa.
Plumbing—P. A. Dont, Santa Rosa
Glazing—East Bay Glass Co., 621 6th St., Oakland.
Painting—C. Robarte.
Plastering—A. G. Quigley, Santa Rosa.
Hardwood Floors—Martel & Son, Santa Rosa.
Iron Work—Sunset Iron Works.
Mill Work—Huntington.

Completing Plans.
RESIDENCE Cost, \$200,000
WOODSIDE, San Mateo Co., Cal.
Two-story and basement brick veneer residence (22 rooms, 8 baths).
Owner—Randolph Schilling, 225 Bush St., San Francisco.
Architect—Reginald D. Johnson, Architects Bldg., Los Angeles.
Heavy shingle roofing, wrought iron, tile bathrooms, steam heating system; oak floors, cedar, pine and hardwood floors and paneling, steel windows, landscaping, etc.

Plans Being Prepared.
RESIDENCE Cost, \$25,000
ORINDA, Contra Costa Co., Cal. Orinda Country Club.

Two-story frame and stucco residence with shingle tile roof (11 rooms and 2-car garage).
Owner—Dr. Nutting.
Architect—William Rich, Orinda.

Plans Being Prepared.
RESIDENCE Cost, \$12,000
BERKELEY, Alameda Co., Cal. Thousand Oaks.
Two-story frame and stucco residence (7 rooms, English type).
Owner—Rev. C. F. Acree, Thousand Oaks, Berkeley.
Architect—William Rich, Orinda.

Contract Awarded.
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal. E Bryant St. S California Ave.
Two-story frame and stucco residence
Owner—Dr. Latham True, 2361 Bryant St., Palo Alto.
Architect—Charles K. Sumner, 57 Post St., San Francisco.
Contractor—Osborne & Knight, Palo Alto.

Sub-Bids Being Taken.
RESIDENCE Cost, \$11,500
SAN FRANCISCO. Darien Way and San Aliso.
Two-story and basement frame and stucco residence (8 rooms, 2 baths)
Owner—A. J. Herzog, 1945 Ocean Ave., San Francisco.
Plans by D. E. Jaekle, Call Bldg., San Francisco.

Plans Being Figured—Bids Close July 5, 2 P. M.
RESIDENCE Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.
One-story frame and stucco residence
Owner—O. A. Harlan.
Architect—Wolfe & Higgins, Realty Bldg., San Jose.

Completing Plans.
RESIDENCE Cost, \$—
SANTA BARBARA, Santa Barbara Co., Cal. Buena Vista Ave.
Two-story frame and stucco residence (10 rooms).
Owner—August Magnus, Santa Barbara.
Architect—Reginald D. Johnson, Architects Bldg., Los Angeles.

Plans Being Prepared.
RESIDENCE Cost, \$15,000
NAPA, Napa Co., Cal.
Two-story frame and stucco residence (12 rooms, 3 baths, 3-car garage).
Owner—Withheld.
Plans by D. E. Jaekle, Call Bldg., San Francisco.
Bids will be taken in about 1 week.

Preliminary Plans Being Prepared.
RESIDENCE Cost, \$16,000
BERKELEY, Alameda Co., Cal. Claremont Pines.
Two-story frame and stucco residence (9 rooms).
Owner—J. M. Olsen.
Architect—W. E. Schirmer, 700 21st St., Oakland.

Contract Awarded.
RESIDENCE Cost, \$18,000
BERKELEY, Alameda Co., Cal. No. 1114 Oxford Street.
Three-story frame and stucco residence (13 rooms).
Owner—M. D. Bullen, San Francisco.
Architect—Warren C. Perry, 260 California St., San Francisco.
Contractor—Frank G. Appelbe, 2405 Acton St., Berkeley.

Sub-Bids Wanted.
RESIDENCE Cost, \$20,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
Two-story brick veneer residence (12 rooms).
Owner and Builder—J. M. Walker, 1709 Grove St., Berkeley.
Plans by Owner.
Sub-bids are wanted on all portions of the work.

Sub-Contracts Awarded.
HOUSE Cost, \$—
LAKE TAHOE, Calif. Country House.
Owner—Mrs. Laura B. Westphal, Lake Tahoe.
Architect—Kent and Hass, 525 Market St., San Francisco.

Contractor—Larsen and Larsen, Russ Bldg., San Francisco.
Structure will contain 5 rooms and 3 baths; natural stone and log construction; asbestos shingles; steel sash metal screens; wood and Celotex interior, wood frame, oak and pine; linoleum floors; electric heat and light; incinerator; pressure water pump and tank; patent flues; fireplace. A boat landing will also be provided. Separate garage with chauffeur's living quarters is also included.

Steel Sash—Michel and Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.
Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.
Lumber—Auburn Lumber Co.
Plumbing—W. H. Oliver, Tahoe.
Electric Work—H. Pick, Tahoe.

Preparing Working Drawings.
RESIDENCE Cost, \$20,000
BURLINGAME, San Mateo Co., Cal.
Two-story and basement frame and stucco residence (9 rooms and 3 baths).
Owner—John F. Linlen.
Plans by Grimes & Schoening, Balovich Bldg., San Mateo.
Contractor—Selected (Name Withheld)

Plans Being Figured.
RESIDENCE Cost Approx. \$10,000
OAKLAND, Alameda Co., Cal. Crescent Circle.
Two-story frame and stucco residence
Owner—Withheld.
Architect—Edward T. Foulkes, 357 12th St., Oakland.

Contract Awarded.
RESIDENCE Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
Two-story frame and stucco residence (12 rooms).
Owner—J. Patton, San Jose.

Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Contractor—R. O. Summers, 17 N. Market St., San Jose.

Contract Awarded.
RESIDENCE Cost, \$12,000
SACRAMENTO, Sacramento Co., Cal. 1129 46th St.
Two-story frame and stucco residence (9 rooms).
Owner—T. Gawne, 1217 47th St., Oakland.
Contractor—R. L. Hathaway, 720 Redwood Ave., Sacramento.

Contract Awarded.
RESIDENCE Cost, \$35,000
SAN FRANCISCO. Broadway near Scott St.
Two-story frame and stucco residence (14 rooms).
Owner—Julian Thorne.
Architect—Farr & Ward, 68 Post St.
Contractor—Taylor & Jackson, 290 Tehama Street.
Sub-bids are in and will be awarded shortly.

BUNGALOW COURT Cost, \$18,000
MONTEREY, Monterey Co., Cal. El Dorado and Monraz Sts.
One-story frame and stucco bungalow court.
Owner—Mrs. Haskell.
Architect—W. W. Hastings, Tyler St., Monterey.
Bids are being taken from a selected list of contractors.

Construction Indefinitely Postponed.
RESIDENCE Cost, \$15,000
PALO ALTO, Santa Clara Co., Cal. Crescent Park.
Two-story frame and stucco residence
Owner—L. T. Brazer, 331 Castillya St., Palo Alto.
Plans by Howard L. Gray, 1551 El Camino Real, Palo Alto.

Bids To Be Taken Within One Week.
RESIDENCE Cost, \$20,000
SAN FRANCISCO. Pacific Avenue.
Two-story brick veneer residence.
Owner—Mrs. E. Lent, 2100 Jackson St., San Francisco.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco.

PALM SPRINGS, Riverside Co., Cal.
—Geo. W. Helgoh has had plans prepared for large fireproof residence he will erect in Palm Springs. Will be 300 feet in length and will contain number of bathrooms and solarium.

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Contract Awarded.
ALTERATIONS Cost, \$10,000
SAN FRANCISCO. No. 2509 Scott St.
 Alterations and additions to residence
 Owner—W. S. Burnett, 310 Sansome
 St., San Francisco.
 Architect—None.
 Contractor—G. Sandberg, 425 20th
 Ave., San Francisco.

Owner Taking Sub-Bids.
RESIDENCE Cost, \$8500
NORTH BURLINGAME, San Mateo
 Co., Calif.
 Two-story frame and stucco residence.
 Owner—Richard Minor, 1357 Columbus
 Ave., San Mateo.
 Plans by Grimes & Schoening, Bal-
 vich Bldg., San Mateo.

Specifications Being Written.
RESIDENCE Cost, \$60,000
ROSS, Marin Co., Calif.
 Two-story brick residence.
 Owner—Norman Livermore, 85 Sec-
 ond St., San Francisco.
 Architect—Bakewell and Welhe, 251
 Kearny St., San Francisco.
 Engineer—Atkins and Parker, Hobart
 Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$50,000
PIEDMONT, Alameda Co., Calif.
 Two-story and basement frame and
 stucco residence.
 Owner—Herbert E. Hall.
 Architect—Clarence Tantau, Shreve
 Bldg., San Francisco.
 Contractor—Charles Stockholm, Russ
 Bldg., San Francisco.

Structural Steel, Miscellaneous and
Ornamental Iron Contract Award-
ed.
CREAMERY Cost, \$15,000
SAN JOSE, Santa Clara Co., Cal. W
San Carlos and Locust Sts.
 One-story reinforced concrete cream-
 ery.
 Owner—Hester Dairy, San Jose.
 Architect—Wolfe and Higgins, Realty
 Bldg., San Jose.
 Contractor—J. C. Thorp, San Jose,
 \$14,242.

Structural Steel, Miscellaneous and
Ornamental Iron—San Jose Iron
Works, 535 W San Carlos St., San
Jose.

Ornamental Iron Contract Awarded.
RESIDENCE Cost, \$11,000
SAN JOSE, Santa Clara Co., Cal. N
Thirteenth St.
 Two-story frame and stucco residence.
 Owner—T. J. Callahan, 75 N 13th St.,
 San Jose.
 Architect—Wolfe and Higgins, Realty
 Bldg., San Jose.
 Contractor—C. F. Kessling, 798 Coe
 St., San Jose.
Ornamental Iron—San Jose Iron Wks,
535 W San Carlos St., San Jose.

Contract Awarded.
DWELLING Cost, \$1390
MARYSVILLE, Yuba Co., Calif. At
sewer farm.
 One-story 5-room frame dwelling.
 Owner—City of Marysville, Chester O.
 Gates, city clerk.
 Private Plans.
 Contractor—J. C. Evans, Marysville.

Contract Awarded.
RESIDENCE Cost, \$—
UKIAH, Mendocino Co., Cal. County
Farm Grounds.
 One-story frame and stucco steward's
 residence.
 Owner—County of Mendocino.
 Architect—Not Stated.
 Contractor—W. H. Lyon, Ukiah.
 Following is a complete list of bids:
 W. H. Lyons, \$1541.70; Walter
 White and F. Sahin, \$2380; Crawford
 & Baker, \$2265; J. A. Courtis, \$2645.

Contract To Be Awarded.
RESIDENCE Cont. price, \$13,975
PIEDMONT, Alameda Co., Cal. Sher-
idan Avenue.
 Two-story frame and stucco residence
 with terra cotta tile roof.
 Owner—Bert Jones.
 Architect—Miller and Warnecke, Fi-
 nancial Center Bldg., Oakland.
 Contractor—Jensen & Pedersen, 3443
 Adeline St., Berkeley.

To Be Done By Day's Work By Owner
RESIDENCE Cost, \$9000
OAKLAND, Alameda Co., Calif.
 Two-story frame and stucco residence.
 Owner and Builder—Leo Dolan, 316
 17th St., Oakland.
 Architect—A. W. Smith, American
 Bank Bldg., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, \$19,435
MONTEREY, Monterey Co., Cal.
 Two-story frame and stucco residence
 Owner—Colonel Roger S. Fitch, Mon-
 terey.

Architect—Reginald D. Johnson, Ar-
chitects Bldg., Los Angeles.
Contractor—M. J. Murphy, Inc., Monte
Verde and Ninth Sts., Carmel.
Plumbing and Heating—Barton Oil-
O-Matic Co., Monterey.
Electrical Work—Carroll & Searle,
Monterey.

Plans Being Prepared.
RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Cal. Clare-
mont District.
 Two-story frame and stucco residence
 (8 rooms)
 Owner—L. A. Schloss.
 Architect—John E. Norberg, 580 Mar-
 ket St., San Francisco.

Contract Awarded.
RESIDENCES Cost, \$23,000
TRACY, San Joaquin Co., Cal.
 Five frame residences; 14-car garage
 and double office.
 Owner—Pacific Gas & Electric Co.,
 245 Market St., San Francisco.
 Architect—Eng. Dept. of Owner.
 Contractor—Johnson Bros., Tracy.

Plans Being Figured.
RESIDENCE Cost, \$15,000
HILLSBOROUGH, San Mateo Co.
 Two-story frame and stucco residence
 Owner—Withheld.
 Plans by E. Reichel, 303 University
 Ave., Palo Alto.
 Gutcheon Briss, Mt. View, are the
 only contractors figuring the plans.

(Correction in Cost)
Owner Taking Sub-Bids.
RESIDENCE Cost, \$6000
SAN MATEO, San Mateo Co., Cal.
Lomita Park.
 One-story frame and stucco residence
 (5 rooms).

Owner—L. Kowlasky, 1381 Masonic
Ave., San Francisco.
 Plans by D. K. Dobkowitz, 424 Mon-
 terey Blvd., San Francisco.

Contract Awarded.
RESIDENCE Cost, \$8000
BURLINGAME, San Mateo Co., Calif.
Oak Grove.
 One-story frame and stucco residence.
 Owner—Mrs. Nancy V. Jones, 1245
 Oak Grove, Burlingame.
 Architect—None.
 Contractor—Chas. Hammer, 1524 Flor-
 ibunda, Burlingame.

To Be Done By Day's Work.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. No.
2324 Rose Street.
 Two-story frame and stucco residence
 (7 rooms).
 Owner and Builder—W. G. Needham,
 2333 Rose St., Berkeley.
 Plans by Owner.

Plans Being Figured—Bids Close June
25.
RESIDENCE Cost, \$20,000
SAN FRANCISCO, Pacific Avenue.
 Two-story brick veneer residence.
 Owner—Mrs. E. Lent, 2100 Jackson
 St., San Francisco.
 Architect—Erle J. Osborne, Balboa
 Bldg., San Francisco.

To Be Done By Day's Work By Owner
RESIDENCES Cost each, \$6000
SAN FRANCISCO, N Upland West
Manor Drive.
 Seven 1-story and basement frame and
 stucco residences.
 Owner and Builder—T. J. Sullivan,
 1967 Ocean Ave.
 Architect—None.

Contract Awarded.
RESIDENCE Cont. price, \$26,400
SAN FRANCISCO, Ulloa and Rock-
away Sts.
 Two-story frame and stucco residence.
 Owner—Roman Catholic Archbishop of
 San Francisco.
 Architect—Edward Eames, 352 Sacra-
 mento St.
 Contractor—J. A. Bryant, 185 Steven-
 son St.

Preparing Working Drawings.
RESIDENCE Cost, \$15,000
BERKELEY, Alameda Co., Cal. North
Cragmont.
 Two-story frame and stucco residence
 (Mediterranean type).
 Owner—Withheld.
 Architect—E. L. Snyder, 2101 Shat-
 tuck Ave., Berkeley.
 Plans will be ready for bids in about
 three weeks.

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To Be Done By Day's Work By Owner
RESIDENCES Cost each, \$5000
SAN FRANCISCO. S Ulloa Street E
26th Avenue.
Two 1-story and basement frame and
stucco residences.
Owner and Builder—N. E. Johnson,
270 Monterey Blvd.
Architect—None.

To Be Done By Day's Work By Owner
RESIDENCES Cost each, \$6000
SAN FRANCISCO. NW Prague and
Persia Sts.
Two 1-story and basement frame and
stucco residences.
Owner and Builder—Lorenzo Besio, 439
Lisbon Street.
Architect—None.

To Be Done By Day's Work By Owner
RESIDENCES Cost each, \$6000
SAN FRANCISCO. S Darlen Way W
Manor Drive.
Four 1-story and basement frame and
stucco residences.
Owner and Builder—T. J. Sullivan,
1967 Ocean Ave.
Architect—None.

Contract Awarded.
RESIDENCE Cont. price, \$19,355
LA JOLLA, San Diego Co., Cal.
One - story and basement frame and
stucco residence (6 rooms and 2
baths).
Owner—Mr. and Mrs. Jos. M. Masten.
Architect—Martin A. Sheldon with J.
Kendall Masten, associated, Mon-
adnock Bldg., San Francisco.
Contractor—E. W. Dewhurst, La Jolla.

Construction Indefinitely Postponed.
RESIDENCE Cost, \$15,000
SANTA ROSA, Sonoma Co., Cal.
Two-story frame and stucco residence.
Owner—E. D. Seaton, 924 Slater St.,
Santa Rosa.
Plans by R. J. Whiting.
Contractor—R. J. Whiting, 624 Spo-
cker St., Santa Rosa.

Plans Being Prepared.
RESIDENCE Cost, \$10,000
ORINDA, Contra Costa Co., Cal.
One-story frame and stucco residence
(8 rooms).
Owner—Prof. Hall, University of Cal-
ifornia, Berkeley.
Architect—William Rich, Orinda.

Contract Awarded.
RESIDENCE Cont. price, \$7190
SAN JOSE, Santa Clara County, Cal.
One-story frame and stucco residence.
Owner—E. Blockie, San Jose.
Architect—Wolfe and Higgins, Realty
Bldg., San Jose.
Contractor—Howard Waltz, 132 Bal-
bach St., San Jose.

SCHOOLS

Low Bidder.
AUDITORIUM Cost, \$146,544
LONG BEACH, Los Angeles Co., Cal.
Polytechnic High School Site.
Reinforced concrete school audi-
torium (112x208 ft.)
Owner—Long Beach Board of Educa-
tion.
Architect—W. Horace Austin, Pacific
Southwest Bldg., Long Beach.
Low Bidder—Henry W. Schluter,
9800 Yoakum Drive, Beverly Hills

Bids To Be Taken In About One
Week.
SCHOOL Cost, \$25,000
UPPER LAKE, Lake Co., Cal.
One-story reinforced concrete high
school
Owner—Upper Lake Union High
School District.
Architect—William Herbert, Rosen-
berg Bldg., Santa Rosa.

Contracts Awarded.
SCHOOL Cost, \$13,220
KETTLEMAN CITY, Kings Co., Cal.
One-story frame and stucco School.
Owner—Sunset School District.
Architect—E. W. Petersen, Mason
Bldg., Fresno.
Contractor—Louis C. Nelson, Fresno.
Steam Heating Plant—Barrett-Hicks
Co., Fresno, at \$1545.

PHOENIX, Ariz.—United States Vo-
cational Indian School, John E. Brown,
superintendent, will start a new build-
ing program in July. A list of the im-
provements proposed follows: Addition
to school academic building to cost
\$25,000; new home economics building
to cost \$12,500; boys' sanitarium build-
ing to cost \$25,000; nurses' home build-
ing to cost \$10,000; general improve-
ments to cost \$20,000. Budget for the
work has been approved.

Preparing Working Drawings.
ADDITIONS Cost, \$100,000
BERKELEY, Alameda Co., Cal.
Classroom additions to Longfellow
School (class C construction, brick
wood and steel joists in auditor-
ium).
Owner—Berkeley School District.
Architect—Jas. W. Plachek, Mercan-
tile Bank Bldg., Berkeley.
Bids will be taken in about thirty
days.

Contracts Awarded.
SCHOOL Cost, \$166,609
COSTA MESA, Orange Co., Cal.
Irving Blvd. and Fifteenth St.
One and two-story reinforced con-
crete high school (291x180 ft.)
Owner—Newport Harbor Union High
School District.
Architect—Marsh, Smith & Powell,
Architects Bldg., Los Angeles.
Contractor—Wm. J. Shirley, 1351 W.
Washington St., Los Angeles.
Electrical Work—Robertson Elec. Co.,
Santa Ana, at \$22,219.
Plumbing—Coony & Winterbottom,
Los Angeles, at \$13,338.
Plastering—Howard Dunn, Los An-
geles, at \$16,416.
Painting—W. B. Walters, Long Beach,
at \$6768.

Preliminary Plans Being Prepared.
SCHOOL Cost, \$150,000
ANTIOCH, Contra Costa Co., Cal.
(15 acre site) D Street.
Two-story brick high school.
Owner—Antioch Live Oak High
School District.
Architect—Davis, Pearce Co., Grant
and Weber Sts., Stockton.

Contemplated.
GYMNASIUM Cost, \$10,000
CHICO, Butte Co., Cal. Chico High
School Site.
Gymnasium.
Owner—Chico School District.
Architect—Not Selected.
Proposed project is in a very pre-
liminary stage.

Contract Awarded.
ADDITION Cost, \$—
SAN LORENZO, Alameda Co., Cal.
Addition to school.
Owner—San Lorenzo School District.
Architect—W. H. Weeks, Hunter-Du-
lin Building, San Francisco; 1736
Franklin St., Oakland, and Bank
of Italy Bldg., San Jose.
Contractor—A. C. Logan, Hayward.
Following is a complete list of bids:
A. C. Logan, Hayward.....\$3,320
E. F. Hansen, Hayward.....3,324
A. Holyoake, Hayward.....3,595
Suttle & Green, Hayward.....3,625
F. M. Russell, Hayward.....3,684
E. T. Lesure, Oakland.....4,168
Fred. J. Westlund, Oakland.....4,385
Geo. Petersen, San Leandro.....4,470

To Be Done By Day's Work By Owner
SCHOOL Cost, \$25,000
OAKLAND, Alameda Co., Cal. S Clif-
ton St. E Broadway.
Three-story school (12 rooms).
Owner—California School of Arts and
Crafts, 5212 Broadway, Oakland.
Plans by Fred H. Meyer, 5212 Broad-
way, Oakland.
Mgr. of Const.—Fred H. Meyer, 5212
Broadway, Oakland.

Plans Being Figured—Bids Close July
7, 12 Noon.
ADDITION Cost, \$9000
MARYSVILLE, Yuba Co., Calif.
Addition to present school.
Owner—Linda School District.
Architect—Helen E. Findlay, Marys-
ville.
Plans obtainable from Agnes Weber
Meade, superintendent of schools, at
Marysville.

NEWMAN, Stanislaus Co., Cal.—
Until July 8, 7:30 P. M., bids will be
received by F. T. McGinnis, clerk of
Orestimba Union High School District,
to furnish and install stage equip-
ment; window and door drapes; cur-
tains. Specifications and further in-
formation obtainable from F. T. Mc-
Ginnis at his office in Crows Landing.

NEWMAN, Stanislaus Co., Cal.—
Until July 7, 7:30 P. M., bids will be
received by F. T. McGinnis, clerk of
Orestimba Union High School District,
to furnish and install 500 opera chairs
in school auditorium. Specifications
and further information obtainable
from F. T. McGinnis at his office in
Crows Landing.

SAN FRANCISCO—Spinner - Diest
Corp., 555 Mission St., at \$6,141 award-
ed contract by Board of Public Works
to furnish and install chairs in the
Park-Presidio High School.

Plans Being Figured.
SCHOOL Cost, \$70,000
HOLLISTER, San Benito Co., Cal.
Two-story brick and concrete school
(12 rooms).
Owner—Sacred Heart School (Rev.
Daniel Keenan, pastor), Hollister.
Architect—R. G. Montgomery, Cham-
ber of Commerce Bldg., Los An-
geles.

Contracts Awarded.
AUDITORIUM Cont. Price, \$9807
SAN RAFAEL, Marin Co., Cal.
High school auditorium (reinforced
concrete construction).
Owner—San Rafael Board of Educa-
tion.
Architect—N. W. Sexton, deYoung
Bldg., San Francisco.
Contractor—Young & Horstmeier, 461
Market St., San Francisco.
Heating and Ventilating—Pacific
Heating & Ventilating Co., 354
Hobart St., Oakland, at \$352.
Electrical Work—W. B. Baker & Son,
Inc., 270 6th St., San Francisco,
at \$3465.

Plans Being Figured—Bids Close July
1st.
SCHOOL Cost, \$30,000
KING CITY, Monterey Co., Cal.
Reinforced concrete and steel Fine
Arts Building.
Owner—King City High School Dist.
Architect—H. B. Douglass, Greenfield,
Calif.

Preparing Plans.
SCHOOL Cost, \$375,000
SANTA ANA, Orange Co., Cal.
Frances Willard Junior High
School Site.
Reinforced concrete high school.
Owner—Santa Ana Board of Educa-
tion.
Architect—Allison & Allison, Califor-
nia Reserve Bldg., Los Angeles.

Inclinator Contract Awarded.

SCHOOL Cont. Price, \$459,000
SAN FRANCISCO. Onondaga, Cayuga, Otsego and Seneca Aves.
 Third unit of Balboa (South Side) high school, comprising auditorium of steel frame and reinforced concrete, and 4-story reinforced concrete Academic building with tile roof.

Owner—City and County of San Francisco.

Architect—Bakewell & Weihe, 251 Kearny St. San Francisco.

Contractor—MacDonald & Kahn, Financial Center Bldg., S. F.

Inclinator—Badt-Falk & Co., 557 Market St., San Francisco.

Contract awarded for Heimbach "Twentieth Century" inclinator.

Other awards reported June 11, 1930

Plans Being Prepared.

ALTERATIONS Cost, \$—
WINTERS, Yolo Co., Calif.

Alterations and additions to present high school.

Owner—Winters High School District.

Architect—W. H. Weeks, Hunter-Dulin Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

of Italy Bldg., San Jose.

Sub-Contracts Awarded.

GYMNASIUM Cost, \$225,000
PALO ALTO, Santa Clara Co., Calif.

Stanford University Campus.
 Steel frame and reinforced concrete gymnasium building (300x250 ft.)

Architect—John Bakewell and Arthur Brown, Jr., 251 Kearny St. San Francisco.

Contractor—George Wagner, Inc., 181 South Park, San Francisco, \$182,440.

Structural Steel—McClintic-Marshall, 2050 Bryant St., San Francisco.

Reinforcing Steel—Concrete Eng. Co., 1280 Indiana St., San Francisco.

Reinforcing Steel—Concrete Eng. Co., 1280 Indiana St., San Francisco.

Bids Opened.

ADDITION Cost, \$4000
SAN LEANDRO, Alameda Co., Calif.

Hollow tile and brick addition to school
 Owner—San Leandro School District.

Architect—J. J. Donovan, 1916 Broadway, Oakland.

Following is a complete list of bids:

C. A. Gossett, 327 Davis Court, Oakland \$3,800

I. L. Beard 3,950

F. J. Westlund, Oakland 4,374

Cicero & Mally 4,498

Bids held under advisement.

SAN JOSE, Santa Clara Co., Cal.—

Until July 7, 8 P. M., bids will be received by W. L. Bachrodt, Secretary, Board of Education, for Architectural Metal Work for Junior High School Building, Second and Rosa Sts. Specifications obtainable from above. Contracts must be in accordance with plans and specifications prepared by J. J. Donovan, architect.

CHICO, Butte Co., Cal.—Until July 1, 5 P. M., bids will be received by Chas. H. Camper, Secretary, Chico High School District, to furnish equipment and furniture for the Oakdale School. Specifications obtainable from above. Certified check of 10% required.

EUREKA, Humboldt Co., Cal.—Until June 30, 7:30 P. M., bids will be received by Geo. E. Albee, city superintendent of schools, Junior High School for erection of Primary School Building to be located on Lots 9 and 10, east side of Summer Street near Lincoln School. Plans obtainable from above. Certified check of 5% required, payable to Eureka Grammar School District.

See call for bids under official proposal section this issue.

Bids Wanted—Close June 28, 5 P. M.
ALTERATIONS Cost, \$—

ARVIN, Kern Co., Cal. Arvin School. Alterations and additions to school.

Owner—Arvin School District.
 Architect—E. J. Symmes, Haberfelde Bldg., Bakersfield.

Plans obtainable from architect on deposit of \$10. Certified check of 10% required.

See call for bids under official proposal section in this issue.

Plans Being Figured—Bids Close July 2, 5:30 P. M.
ADDITION Cost, \$—

THORNTON, San Joaquin Co., Calif. Brick addition to grammar school (4 classrooms).

Owner—New Hope Grammar School District.

Architect—W. J. Wright, Mail Bldg., Stockton.

Certified check of \$200 payable to clerk required. Plans and specifications obtainable from architect.

See call for bids under official proposal section in this issue.

Plans Being Figured—Bids Close July 8, 7:20 P. M.
SCHOOL Cost, \$80,000

(Bonds voted to finance)
SANTA CRUZ, Santa Cruz Co., Calif. (Gault School).

One-story concrete school.
 Owner—Santa Cruz School District.

Architects—A. I. Coffey, Phelan Bldg., and M. J. Rist, 760 Market Street, San Francisco.

Plans Being Figured—Bids Close June 27, 8 P. M.
SCHOOL Cost, \$45,000

SAN JOSE, Santa Clara County, Cal. Monterey Road.

One-story school; tile roof (auditorium to seat 400).

Owner—Franklin School District.
 Architect—W. H. Weeks, 111 Sutter St., San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

SAN LEANDRO, Alameda Co., Cal.—

San Leandro City Council has started proceedings for constructing two tennis courts at Roosevelt grammar school.

Contract Awarded.

ADDITIONS Cost, \$—
AIWAHNEE, Madera Co., Cal.

One-room school and porch additions to hospital unit.

Owner—Tri-County Tuberculosis Sanatorium Committee of Madera, Merced and Stanislaus Counties.

V. D. Whitmore, chairman, Ahwahnee.

Engineer—W. E. Bedesen, Shaffer Bldg., Merced.

Contractor—Niel & Wirtner, Merced.

Following is a complete list of bids:

(a) School; (b) porch additions to hospital unit.

Niel & Wirtner (a) \$7246; (b) \$4950.

C. C. Desney, Merced (a) \$7267; (b) \$6989.

Liner & Allen, Merced (a) \$7267; (b) \$5984.

E. K. Angle, Dos Palos (a) \$7436; (b) \$4950.

SAN FRANCISCO—Until June 30, 3 P. M., bids will be received by Leonard S. Leavy, purchasing agent, 270 City Hall, to furnish sheet metal shop supplies for school department.

Further information obtainable from above.

Plans Being Figured—Bids Close July 1, 7:30 P. M.

ADDITION Cost, \$55,000
SAN LUIS OBISPO, Cal. Hawthorne School.

Addition to kindergarten—primary school.

Owner—Hawthorne Elementary School District.

Architect—Not Given.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Until July 8, 7:30 P. M., bids will be received by C. L. Smith, City Superintendent of Schools, to construct additions and alterations to Junior High School. Plans and specifications obtainable from Architect L. N. Crawford, Gibson-Drexler Bldg., Santa Maria, or above, on deposit of \$10, returnable. Certified check of 10% required.

General Contract Awarded—Mechanical Bids Rejected.

SCHOOL Cost, \$80,000
SANTA CRUZ, Santa Cruz Co., Calif. One-story frame and stucco school (7 classrooms and assembly hall).

Owner—Santa Cruz School District.

Architect—W. H. Weeks, Hunter-Dulin Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.

Contractor—The Minton Co., Palo Alto and Mountain View.

Which alternate will be accepted has not been definitely decided.

(1) \$59,997; (2) \$62,039.

Plumbing, heating and electrical bids were rejected and new bids are being taken to be opened July 8, 7:30 P. M.

One previous call for bids the following were low:

Heating—General Plumbing Co., 4325 E 14th St., Oakland, \$13,325 (ded.) \$60, \$15,126.

Plumbing—D. Cacace, Santa Cruz, \$4,787 (no certified check, personal).

Electrical—Collins Elec. Co., Stockton, \$5,561.

Bids Opened.

SCHOOL Cost, 1st unit, \$700,000
SAN FRANCISCO. Aptos and Westgate Aves.

Class A Aptos Junior High School (accommodate approx. 1200 students)

Owner—City & County of San Francisco.

Architect—Shea and Shea, 454 Montgomery St.

General Work
 MacDonald & Kahn, Financial Center Bldg., Prop. No. 1, \$531,500; Prop. No. 2, \$529,500.

Mahony Bros., (1) \$538,000; (2) \$538,400.

Monson, (1) \$556,000; (2) \$551,600.

Barrett and Hilp, (1) \$566,610; (2) \$563,310.

Jas. L. McLaughlin Co., (1) \$574,000; \$572,623.

H. L. Peterson, (1) \$575,199; (2) \$572,299.

Jacks & Irvine, (1) \$575,994; (2) \$572,994.

Mission Concrete Co., (1) \$576,858; (2) \$576,158.

Anderson & Ringrose, (1) \$578,900; (2) \$576,000.

Electrical Work

L. Flatland \$37,332

Alta Electric Co. 38,988

Atlas Electric Co. 40,000

Mechanical Equipment

Scott Co., 243 Minna St. \$53,867

O'Mara & Stewart 55,300

James Nelson 55,996

Turner Co. 56,600

Mechanical Contracting Co. 59,580

F. W. Snook (disqualified) 53,000

Plumbing and Gas Fitting

Scott Company \$34,987

F. W. Snook Co. 37,535

Thomas Skelly 38,660

Turner Company 38,700

Bids held under advisement.

Contract Awarded.
STORE Cost, \$100,000
SAN DIEGO, San Diego Co., Cal.
Fifth Ave. and E Sts.
Two-story masonry and terra cotta
store and shop (100x200 ft.)
Owner—Mrs. Wegeforth
Architect—Herbert J. Mann, La Jolla.
Contractor—Kier Construction Co.,
First National Bank Bldg., San
Diego.

Contract Awarded.
ADDITION Cost, \$9980
MARTINEZ, Contra Costa Co., Cal.
Alhambra Avenue.
One-story addition to store (50x50 ft.)
Owner—Ralph Norton, Port Costa.
Architect—Eng. Dept. of Lessee.
Lessee—J. C. Penny Company.
Contractor—Henry Brown, 1387 East
Thirty-second St., Oakland.

Plans Being Prepared.
STORE & LOFTS Cost, \$50,000
EUREKA, Humboldt Co., Cal. Fifth
St. bet. F and G Sts.
Two-story class C store and lofts with
class A basement.
Owner—W. P. Fuller & Co., 301 Mis-
sion St., San Francisco.
Architect—Franklin T. Georgeson, 6th
and G Sts., Eureka.

Plans Being Prepared.
ALTERATIONS Cost, \$25,000
SAN FRANCISCO. No. 131 Post St.
Extensive alterations to present store
Owner—Isadore Weinstein, 1041 Mar-
ket St., San Francisco.
Architect—Hyman & Appleton, 68 Post
St., San Francisco.

Construction Indefinitely Postponed.
BANK Cost, \$50,000
CHICO, Butte Co., Cal.
One-story reinforced concrete bank.
Owner—Bank of Italy.
Architect—H. A. Minton, Bank of Italy
Bldg., Eddy and Powell Sts., San
Francisco.

Planned.
OFFICES Cost, \$—
ORLAND, Glenn Co., Cal. SE Colusa
and 5th Sts. (40x95-ft.)
Office building.
Owner—Great Western Development
Corp. of Arizona (J. N. Long, pres-
ident.)
Architect—None.
More definite information will be
given at a later date.

Preparing Sketches.
COMMERCIAL BLDG. Cost, \$—
GLENDALE, Los Angeles Co., Cal.
NW Brand Blvd. and Wilson Ave.
Masonry commercial building (103x
150 ft.) (height of structure not
determined).
Owner—H. H. Helbush.
Architect—J. P. Krempel and W. E.
Erkes, Bank of Italy Bldg., Los
Angeles.

Bids In.
STORE Cost Approx. \$500,000
SAN JOSE, Santa Clara Co., Cal.
First and San Carlos Sts.
Three-story Class C reinforced con-
crete department store.
Owner—Hale Bros. Fifth and Market
Sts., San Francisco.
Architect—Binder & Curtis, 35 W.
San Carlos St., San Jose, and
Swanson & Lane, Chicago, Ill.
Following is a list of contractors
who have submitted bids:
K. E. Parker, 135 South Park, San
Francisco.
Clinton Constr. Co., 923 Folsom St.,
San Francisco.
Lindgren & Swinerton, Inc., 225
Bush St., San Francisco.
MacDonald & Kahn, Financial Cen-
ter Bldg., San Francisco.

Dinwiddie Constr. Co., Crocker
Bldg., San Francisco.
Cahill Bros., 266 Sansome St., San
Francisco.
Barrett & Hilp, 918 Harrison St.,
San Francisco.
F. A. Muller, Syndicate Bldg.,
Oakland.
R. O. Summers, San Jose.
E. T. Leiter & Sons, 811 27th St.,
Oakland.
James L. McLaughlin, 251 Kearny
St., San Francisco.

Planned.
COMMERCIAL BLDG. Cost, \$—
HUNTINGTON PARK, Los Angeles
Co., Cal. Santa Ana St. near Long
Beach Blvd.
Commercial building (176 ft. frontage)
Owner—J. F. McSwain, % L. B.
Crossan, 6334 1/2 Pacific Blvd.,
Huntington Park.
Architect—Not Selected.

THEATRES

Construction Under Way
THEATRE Cost, \$60,000
LOS BANOS, Merced Co., Cal.
One-story brick theatre (to seat 800).
Owner—Jack Freitas, Gustine, Calif.
Architect—None.
Contractor—W. H. Jones, Los Banos.
Bric—J. M. Brown, Fresno.

Contract Awarded.
THEATRE Cost, \$250,000
SAN PEDRO, Los Angeles Co., Cal.
Class A steel and reinforced concrete
theatre and stores (theatre to
seat 2000).
Owner—Warner Bros. Pacific States
Theatres, Warner Bros. Down-
town Theatre Bldg., L. A.
Architect—B. Marcus Fritica, Warner
Bros. Downtown Theatre Bldg.,
Los Angeles.
Contractor—Lange & Bergstrom,
Washington Bldg., Los Angeles.

Contractors Taking Off Quantities.
OPERA HOUSE Cost, \$1,500,000
SAN FRANCISCO. Block bounded by
Van Ness Ave., Franklin, Grove
and Fulton Sts.
Six-story class A opera house, seating
capacity 4000; standing room 500.
Owner—City and County of San Fran-
cisco (S. F. War Memorial).
Architect—G. A. Lansburgh 140 Mont-
gomery St. and Arthur Brown, 251
Kearny St.
Following contractors taking off
quantities on concrete, excavation, etc.
Lindgren & Swinerton, Inc., 225 Bush
St.
P. J. Walker Co., Sharon Bldg.
Dinwiddie Const. Co., Crocker Bldg.
MacDonald & Kahn, Financial Cen-
tribution in the above territory.
ter Bldg.

Contract Awarded.
THEATRE Cost, \$95,000
PASO ROBLES, San Luis Obispo Co.
One and two-story reinforced con-
crete Class A and C building
theatre to seat 1200; 10 stores,
offices and apartments (170x170
feet.)
Owner—T. & D. Jr. Enterprises, Inc.,
988 Market St., San Francisco (Mr.
Naef in charge).
Architect—Albert H. Larsen, 447 Suter
St., San Francisco.
Contractor—Salih Bros., Melrose and
Western Aves., Los Angeles.

Contract Awarded.
REMODELING Cost, \$20,000
VALLEJO, Solano Co., Cal.
Remodel theatre building.
Owner—Fox-West Coast Service Corp.,
Washington St. and Vermont Ave.,
Los Angeles.

Architect—Balch & Stanbery, Film
Exchange Bldg., Los Angeles.
Contractor—Alfred J. Hopper, 1769
Pleasant Valley Ave., Piedmont.
Work will include remodeling the
fronts, interior alterations, painting
and decorating.

Plans To Be Prepared.
ALTERATIONS Cost, \$35,000
SAN FRANCISCO. Haight St. bet.
Shrader and Stanyan Sts.
Extensive alterations to present
theatre.
Owner—S. F. Theatres, Inc., S. H.
Levin, President, 745 Clement St.,
San Francisco.
Architect—Miller & Phueger, 580
Market St., San Francisco.
Proposed work is in a very prelim-
inary stage.

WHARVES AND DOCKS

OAKLAND, Alameda Co. Cal.—
Until June 23, 4:30 P. M., bids will
be received by City of Oakland Port
Commission, 424 Oakland Bank Bldg.,
for electric wiring for light and power
at Ninth Ave. Pier.

MISCELLANEOUS CONSTRUCTION

Excavation Contract Awarded.
GRANDSTAND, ETC Cost, \$1,250,000
SAN FRANCISCO. Fifteenth St. and
Potrero Avenue.
Baseball Park, Class A steel and con-
crete grandstand, 1000 ft. long.
Owner—San Francisco Baseball Club,
Fifteenth and Valencia Sts., San
Francisco.
Engineer—H. J. Brunnier, Sharon
Bldg., San Francisco.
Contractor—Lindgren-Swinerton, Inc.,
225 Bush St., San Francisco.
Excavation—Sibley Grading & Team-
ing Co., 165 Landers St., S. F.

Planned.
SKATING RINK Cost, \$750,000
SACRAMENTO, Sacramento Co., Cal.
Alhambra Blvd. facing L St. (300x
300-ft.)
Ice skating rink and pavilion (seating
capacity of 6000).
Owner—Pacific Coast Ice Hockey
League (Frank Patrick, president)
Architect—Starks & Flanders, Forum
Bldg., Sacramento.

SACRAMENTO, Sacramento Co.,
Cal.—Bonds in the amount of \$150,-
000 were voted by City to finance de-
velopments at the Municipal Airport,
involving hangers, office facilities,
etc. Fred J. Klaus is City Engineer.

Completing Plans.
MORTUARY Cost, \$80,000
LOS ANGELES, Cal. Santa Monica
Blvd. and Tamarind St.
Three-story Class C reinforced con-
crete mortuary (100x30 feet).
Owner—Leroy Bagley.
Architect—Walter R. Hagedorn, 5514
Wilshire Blvd., Los Angeles.

Plans Being Prepared.
MAUSOLEUM Cost, \$75,000
WILLOW, Glenn Co., Cal.
Reinforced concrete mausoleum with
marble and bronze interior.
Owner—North American Mausoleum
Co., (Ray L. Johnson, 3701 H St.,
Sacramento, in charge).
Architect—Jens C. Petersen, 812 26th
St., Sacramento.

(Continued on Page 24)

EMPIRE, Stanislaus Co., Cal.—Until June 25, 1:30 P. M., bids will be received by L. D. Chapin, secretary Empire School District, at Empire School building to furnish school bus, chassis and body complete. Seating capacity 45 pupils. Certified check of 10% required, payable to school board. Further information obtainable from above.

Completing Plans.
COLLEGE Cost, \$100,000
ONTARIO, San Bernardino Co., Cal.
Junior College (9 rooms, 4 laboratories).
Owner—Chaffey Union High School District.
Architect—Allison & Allison, California Reserve Bldg., Los Angeles.

BANKS, STORES & OFFICES

Contract Awarded.
BUILDING Cost, \$8500
SAN JOSE, Santa Clara Co., Calif.
SAN JOSE and 30th Sts.
One-story concrete building.
Owner—J. V. Rose, 1435 E Santa Clara St., San Jose.
Architect—None.
Contractor—George Veteran, Box 706 Route A, San Jose.

Contract Awarded.
ALTERATIONS Cost, \$8000
SAN JOSE, Santa Clara Co., Calif.
NE 1st St. and St. James.
Alterations to class C building.
Owner—Letcher Garage, 214 N 1st St., San Jose.
Architect—None.
Contractor—R. O. Summers, 17 N 1st St., San Jose.

Planned.
THEATRE Cost, \$185,000
LOS ANGELES, Cal. Highland and Franklin Aves.
Three-story masonry theatre and studio (60x150 feet).
Owner—George MacQuarrie, 1779 N. Highland Ave., Los Angeles.
Architect—Not Selected.
Lessee—Major Institute of Stage & Screen Art.

Plans Being Figured.
LABORATORY Cost, \$—
LOS ANGELES, Cal. Universal City.
Three-story Class A concrete and steel laboratory and two-story concrete camera building (76x150 and 125x26 feet).
Owner—Universal Pictures Corp., Universal City, Los Angeles.
Architect—Eng. Dept. of Owner (H. H. Walker, Supt. Architect).

Contract Awarded—Sub-Bids Being Taken.
ALTERATIONS Cost, \$64,000
SAN FRANCISCO. Eighteenth and Shotwell Streets.
Alterations and additions for distributing office building (reinforced concrete).
Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco.
Architect—Eng. Dept. of Owner.
Contractor—H. H. Larsen, 64 South Park, San Francisco.

SAN FRANCISCO.—The California Mutual Building & Loan Association, 55 Montgomery Street will hold a meeting June 30, at which time it will be determined whether construction of a new three-story building at 773-75 Market Street will be started or whether present building at the same location will be extensively remodeled. More definite information will be given after June 30. George Walker, 55 Montgomery Street, is president of the Association.

OAKLEY, Contra Costa Co., Calif.—Fire destroyed the C. C. Olney's Bakery, J. Pappas Electrical Shop, Sanitary Meat Market, W. Lutz Drug Store June 17. Loss is estimated at \$75,000.

Sub-Contracts Awarded.
OFFICES Cost, \$—
SAN JOSE, Santa Clara Co., Cal. San Fernando St.
Three-story modern office and store building (type of construction not decided).
Owner—San Jose Hardware Co., Arthur and Warren Holmes, Props.
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
Contractor—W. J. Ochs, P. O. Box 327, San Jose, and Fresno.
Excavating and Grading—H. B. Guthrie, San Jose.
Brick and Terra Cotta—F. Filben, San Jose.
Structural Steel—R. Hellwig, San Jose
Reinforcing Steel—W. C. Hauck Co., 230 San Bruno Ave., San Francisco.
Mill Work—Pacific Mfg. Co., Santa Clara.
Rock, Sand and Cement—Central Supply Co., San Jose.
Plumbing and Sheet Metal—A. J. Peters & Son, San Jose.
Lathing and Plastering—W. A. Gould, Mountain View.
Lumber—McElroy Cheim Lumber Co., San Jose.

VILLEJO, Solano Co., Cal.—Morning Times Herald & Evening Chronicle, L. E. Gibson and Captain L. M. Cox, Publishers, have purchased a building on Maryland and Napa Sts. Extensive alterations will be made to the building at a later date, but no immediate improvements will be made.

Bids To Be Taken In One Week.
ADDITION Cost Approx., \$150,000
SAN FRANCISCO. No. 260 California Street.
Two-story Class A reinforced concrete addition to present ten-story building.
Owner—Newhall Estate, Premises.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Plans To Be Prepared.
STORE Cost Approx., \$20,000
HAYWARD, Alameda Co., Cal. Watkins St. near C St.
Two-story brick store.
Owner—Soares Food Stores, 613 Watkins St., Hayward.
Architect—Not Selected.
More definite information will be given within a few months.

Additional Sub-Contracts Awarded.
BALLROOM Cost, \$100,000
OAKLAND, Alameda Co., Cal. Grand Ave. and Webster St.
Four-story steel frame and concrete ballroom.
Owner—George Ebe, 3919 Angelo St., Oakland.
Architect—Ray F. Keefer, 1723 Webster St., Oakland.
Lessee—Sweet's Ballroom.
Contractor—Jacobs & Pattiani, 337 17th St., Oakland.
Plumbing—Carl T. Doell, 467 21st St., Oakland.
Ventilating—J. C. Owens, 1612 Carleton, Berkeley.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Lumber—Smith Lumber Co., Foot of 18th Ave., Oakland.
As previously reported, excavating awarded to J. Catucci, 1212 18th Ave., Oakland; elevator to Atlas Elevator Co., 34 Harriet St., S. F.

LOS ANGELES, Cal.—Architect Gilbert Stanley Underwood, 1404 California Reserve Bldg., preparing plans for following proposed building projects for Central Holding Co., Mayan Theatre Bldg., Franklin Warner, manager: Limit height office building, cost \$1,000,000; limit height office addition to Mayan Theatre, \$800,000; limit height office building at 1020 S. Grand Ave., \$382,000; one to five-story concrete villa at corner of Crescent Heights and Sunset Blvd., \$200,000; limit height apartment building, northwest corner La Brea and Hollywood Blvd., \$620,000. H. W. Baum Co., 108 W. 6th St., will be the contractor.

Additional Sub-Contracts Awarded.
BUILDING Cost, \$400,000
SAN FRANCISCO. Sansome St. and Merchant St.
Eight-story and basement Class A reinforced concrete building.
Owner—California Ink Co.
Architect—Willis Polk & Co., 277 Pine St., San Francisco.
Contractor—Barrett & Hilt, 918 Harrison St., San Francisco.
Electrical Work—Coney & Kuchel, 468 Fifth St., San Francisco.
Plumbing—Frederick Snook Co., 596 Clay St., San Francisco.
Heating—Mechanical Contracting Co., 83 Shipley St., San Francisco.
Miscellaneous and Ornamental Iron—Michel & Pfeiffer Iron Works, Harrison and 10th Sts., S. F.
Roofing—Malott & Peterson, 3221 20th St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
As previously reported, elevators awarded to Spencer Elevator Co., 166 Seventh St., S. F.; reinforcing steel to Pacific Coast Steel Co., 111 Sutter St., San Francisco.

Planned.
DRIVE-IN MARKET Cost, \$—
FOWLER, Fresno Co., Cal.
Modern drive-in market and service station.
Owner—Harry M. Stearns, Adams Ave. and State Highway, Fowler.
Architect—Not Selected.

Contract Awarded.
STORE Cost, \$19,000
OAKLAND, Alameda Co., Cal. N E 14th St. W 23rd Ave.
One-story brick store.
Owner—E. Petersen, 1527 27th Ave., Oakland.
Architect—None.
Contractor—J. B. Petersen, 4021 Agua Vista Ave., Oakland.

Permit Applied For.
STORE Cost, \$150,000
LOS ANGELES, Cal. No. 3576-84 Wilshire Blvd.
Two-story Class B store and offices (60x140 ft.).
Owner—S. Malsman, Jewelers Bldg., Los Angeles.
Architect—S. Charles Lee, Petroleum Securities Bldg., Los Angeles.

Completing Plans.
SCHOOLS Cost, Approx. \$15,000
BERKELEY, Alameda Co., Cal. Bancroft Way.
Two one-story frame temporary schools (9 classrooms, science and drawing room).
Owner—Berkeley Board of Education.
Architect—Hardman & Russ, Berkeley Mank Bldg., Berkeley.
Bids will be completed June 16 and bids will be advertised immediately.

Engineering News Section

BRIDGES

UKIAH, Mendocino Co., Cal.—All bids received by County Clerk to construct 100 ft. steel bridge over Calpella Creek near Calpella were rejected. Bids received on two propositions:

- (a) Furnish labor and materials for construction of bridge complete;
- (b) Furnish complete 100 ft. steel span, f. o. b. Calpella.

New bids will be called for at a later date.

TRINITY COUNTY, Cal.—Until July 9, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to construct bridge across Trinity River near Douglas City, consisting of two 125-ft. steel deck truss spans with concrete deck, four 56-ft. reinforced concrete girder spans and two 30-ft. reinforced concrete girder spans.

See call for bids under official proposal section this issue.

NAPA, Napa Co., Cal.—Until July 1, 10 A. M., bids will be received by James A. Daly, county clerk, to construct steel bridge across Napa river near Barro Station. Specifications on file with clerk of board. Certified check of 10% required, payable to Chairman of Board of Supervisors.

EUREKA, Humboldt Co., Cal.—Ernest McKee awarded contract at \$4,746 by Board of Supervisors to construct culvert on Cooks Gulch near Petrolia in the upper Mattole area. Other bids were: Henry Padgett, \$4,972; Elmer C. Gardner, \$5,444; Engelhart Paving & Const. Co., \$6,200.

SANTA ROSA, Sonoma Co., Calif.—Until June 27, 1:30 P. M., bids will be received by Geo. P. Sanborn, county clerk, to construct two reinforced concrete culverts on Adobe to Eureka School Road in District No. 1, involving: 280 cu. yds. structure excavation; 124 cu. yds. concrete; 13,700 lbs. reinf. steel; 5700 cu. yds. roadway fill. Specifications and further information available from above.

SANTA ROSA, Sonoma Co., Calif.—Until June 27, 1:30 P. M., bids will be received by Geo. P. Sanborn, county clerk, for reinforced concrete culvert on Skaggs Springs Road in District No. 4, involving: Class A concrete, 20 cu. yds.; 2,300 lbs. reinf. steel; 30 cu. yds. structure excavation; 900 cu. yds. roadway fill. Specifications and further information obtainable from above.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Until June 30, 7:30 P. M., bids will be received by C. M. John, City Clerk, (319) to construct reinforced concrete cement bridge, with wing walls and a reinforced cement concrete retaining wall at entrance to San Luis Obispo High School grounds over San Luis Obispo Creek at Ida Street near Marsh St. Specifications obtainable from city clerk. Certified check of 10% required, payable to City. Leon Moore, city engineer.

COTTONWOOD, Shasta Co., Cal.—Authority has been granted by Rail-

road Commission to the Department of Public Works, Division of Highways, to construct undergrade crossing under tracks of Southern Pacific Company.

PLACER COUNTY, Cal.—Following bids received June 13 by State Highway Commission to construct undergrade crossing under the tracks of S. P. Ry. near Emigrant Gap, consisting of two concrete abutments with wing walls and grading and surfacing roadway between abutments with crusher run base and untreated crushed gravel or stone surfacing:

Lord & Bishop, Sacramento.....	\$57,816
Ward Engineering Co., S. F.....	\$58,891
T. E. Conley, S. F.....	61,761

Bids held under advisement.

TEHAMA & SHASTA COUNTIES, Cal.—Following bids received June 13, by State Highway Commission, to construct undergrade crossing between one mile south of Cottonwood and Cottonwood, consisting of two reinforced concrete abutments and a ballasted subfloor and about 0.9 mile roadway to be graded and paved with cement concrete:

C. W. Wood, Stockton.....	\$135,058
Ward Engineering Co., S. F.....	136,006
Rocca & Colletti, San Rafael.....	139,050
Frederickson & Watson & Frederickson Bros., Oakland.....	149,565
Jasper Stacy Co., S. F.....	152,783
Lindgren & Swinerton, Inc., Sacramento.....	200,943

Bids held under advisement.

SALINAS, Monterey Co., Cal.—Jacobs & Pattiani, 337 17th St., Oakland, awarded contract at \$114,990 by county supervisors to construct bridge over Salinas river two miles from Gonzales in Supervisor District No. 2; steel and concrete construction; 24-ft. roadway.

BURBANK, Cal.—The City of Burbank, City of Los Angeles, the Southern Pacific Ry., and an assessment district will share in the cost of a proposed subway under the Southern Pacific Ry. at Victory Pl. Estimated cost, \$87,000. The costs will be apportioned as follows: the railway, \$22,000; the county of Burbank \$29,000; Los Angeles, \$15,000; and an assessment district the balance.

SAN JOSE, Santa Clara Co., Cal.—Thermotite Construction Company awarded contract at \$9931 by county to construct reinforced concrete bridge on Penetencia Creek Road in Supervisor District No. 3. Surveyor's estimate \$11,750.

SAN JOSE, Santa Clara Co., Cal.—George G. Wood awarded contract at \$16,200 by county to construct reinforced concrete bridge on Bloomfield Ave. near Carnadero Creek in Supervisor District No. 1. Surveyor's estimate \$21,530.

REDDING, Shasta Co., Cal.—Rolla Arbuckle of Anderson awarded contract at \$3486 by county to construct bridge over Middle Fork Creek near Schneider Place. T. Mau, county engineer.

EUREKA, Humboldt Co., Cal.—Thos. L. Engelhart Company awarded contract by Board of Supervisors to construct a steel truss bridge over Trinity River at Hopa. Following complete list of bids submitted on three types:

W. L. Proctor, Santa Rosa, \$42,854; \$51,207.20; \$51,797.60.

W. B. McGowan, San Francisco, \$42,600; \$50,416.50; \$51,065.50.

F. J. Maurer & Son, \$42,548.52; \$49,235.62; \$49,804.48.

Smith Bros., \$44,275.50; \$52,513; \$53,092.

Engelhart Co., \$40,687.50; \$47,817; \$48,404.

Mercer-Fraser Co., \$47,079.50; \$55,167.25; \$55,786.75.

Henry Padgett, \$43,441.55; \$50,879.80; \$51,372.30

MODESTO, Stanislaus Co., Cal.—Ernest Green awarded contract at \$741 by Board of Supervisors to construct western end of Laird Slough Bridge.

STREET LIGHTING SYSTEMS

GUSTINE, Merced Co., Calif.—Until July 7, 8 P. M., bids will be received by W. L. Chappell, city clerk, to install electrolier system involving 37 electroliers, metal standards. Specifications obtainable from city clerk on deposit of \$10, returnable. Certified check of 10%, payable to chairman of board required. A. E. Cowell, city engineer.

LOS ANGELES, Calif.—Osborn Co., 450 California Terrace, Pasadena, was awarded contract by board of public works June 11 at \$24,650 for construction of an ornamental lighting system on Virgil Ave. bet. Willowbrook Ave. and Clinton St., and on Virgil Ave. bet. Temple St. and First St., complete involving 58 Union metal standards.

MACHINERY AND EQUIPMENT

ORCUTT, Santa Barbara Co., Cal.—Until June 25, 7:30 P. M., bids will be received by E. M. Ryan, Clerk. Orcutt Union High School District, to furnish bus chassis to fit present equipment. Specifications and further information obtainable from above.

EMPIRE, Stanislaus Co., Cal.—Until June 25, 1:30 P. M., bids will be received by L. D. Chapin, secretary Empire School District, at Empire School building to furnish school bus, chassis and body complete. Seating capacity 45 pupils. Certified check of 10% required, payable to school board. Further information obtainable from above.

LIVERMORE, Alameda Co., Calif.—Until June 30, 10 A. M., bids will be received by Superintendent of Construction, U. S. Veterans' Hospital, Palo Alto, to install one deep well pump, meter pipe and power lines in Veterans' Hospital at Livermore, Spec. obtainable from above. Certified check of 25% required.

SANTA MARIA, Santa Barbara Co., Cal.—Until July 7, 7:30 P. M., bids will be received by F. A. Rivers, city clerk to furnish deep well turbine pumping unit, motor and starting apparatus, complete. Specifications obtainable from above.

FIRE EQUIPMENT

CHICO, Butte Co., Calif.—Proceedings have been started by city council for installation of modern fire alarm system.

SAN BRUNO, San Mateo Co., Cal.—Following bids received by city council for a one-ton fire truck: Jessup Bros., one-ton Dodge, \$1434; Pacific Fire Extinguisher Co., Fageol, #1900; J. E. French two-ton chassis, \$2165.50; Robert A. Smith, one and one-half-ton Chevrolet, \$1184; M. Belli & Co., G. M. C. trucks, \$1587, \$1837, \$2132, \$2405; Motor Sales Co., Inc., one-ton Studebaker, \$1620; W. F. Cuberson Co., Reo trucks, \$1557.50, \$1470.50; Fageol Motor Sales Co., \$2000.

All bids rescinded and new ones for a two-ton truck are being called for.

MISCELLANEOUS SUPPLIES AND MATERIALS

CRESCENT CITY, Del Norte Co., Cal.—Until July 14, 10 A. M., bids will be received by E. Copper, county clerk, to furnish 10,000 gallons fuel oil for fiscal year 1930-31 for county buildings. Further information obtainable from above.

FRESNO, Fresno Co., Cal.—Until June 26, 5 P. M., bids will be received by L. L. Smith, secretary, Fresno High School District, to furnish 96 used typewriters and 96 new typewriters. Specifications obtainable from above. Certified check 10% required.

SACRAMENTO, Sacramento Co., Cal.—Until June 30, 5 P. M., bids will be received by C. C. Hughes, Secretary Board of Education, to furnish fuel oil, coal, wood and pine slabs for fiscal year ending June 30, 1931. Specifications obtainable from Business Manager, 21st and L Sts. Certified check 10% required payable to Board.

NAPA, Napa Co., Cal.—Until July 10, 8 P. M., bids will be received by Clarence Riggins, clerk, Elementary School District, for approximately 40 tons of King Lump Coal. Further information obtainable from above.

RESERVOIRS AND DAMS

PLACERVILLE, El Dorado Co., Cal.—R. W. Littlefield and American Engineering Company awarded contract at \$293,900 by El Dorado Irrigation District to construct Webber Creek dam diversion tunnel, wastewater, appurtenances and certain concrete work in connection therewith.

PLACERVILLE, El Dorado Co., Cal.—R. W. Littlefield, and American Engineering Co., Oakland, at \$293,900, submitted low bid to El Dorado Irrigation District to construct Webber Creek dam diversion tunnel, wastewater, appurtenances and certain concrete work in connection therewith.

List of bids follows:
R. W. Littlefield-American Engineering Co., Oakland, \$293,900
Utah Const. Co., San Francisco 354,416
Merritt-Chapman and Scott, Santa Barbara, 294,590
George Pollock, Sacramento, 395,015
Engineer's estimate, 354,770
Bids taken under advisement.

RICHMOND, Contra Costa Co., Cal.—Pacific Molasses Co. is planning the construction of a high 13,000-ton tank at Point San Pablo.

PIPE LINES, WELLS, ETC.

SAN FRANCISCO—Western Pipe & Machinery Co. awarded contract by Board of Supervisors to furnish and deliver welded steel pipe (for cast iron pipe of equal strength as an alternate) size 20-inch for Municipal Water Department, 5000 ft. made from ¼-inch plates; 5300 ft. made from ½-inch plates.

REDWOOD CITY, San Mateo Co., Cal.—Duer Bros. awarded contract at \$900 by city council to drill well on new Redwood city corporation yard.

SEWERS AND SEWAGE DISPOSAL PLANTS

REDWOOD CITY, San Mateo Co., Cal.—Purdin, Sanberg, Ek & Lind, San Francisco, awarded contract at \$208,848 by County Board of Supervisors (22) to sewer portions of Alameda de las Pulgas, Portola Ave., Cerrito Ave., Santiago Ave., Santa Clara Ave., Harvard St., Sequoi Ave., Belmont Ave. and Beresford Ave., involving vitrified salt glazed sewer pipe; hydraulic cement concrete pipe; part cast iron pipe; wye branches; manholes; two 6-in. United Iron Works vertical pumps, capacity of 1000 gal. per min. with appurtenances; redwood settling tank 42 ft. in dia. with concrete foundation and appurtenances; gravel sludge bed; tile drain.

Other bids follow: Heafey-Moore Co., \$221,289; R. A. Watson, \$223,788; M. J. Bevanda, \$263,730; Union Paving Co., \$228,112.

MARTINEZ, Contra Costa Co., Cal.—Board of Supervisors plan new outfall sewer in the Stege Sanitary District. Estimated to cost \$125,000. Ross Calfee is engineer of the district.

SANTA ANA, Orange Co., Calif.—Drainage Const. Co., Lynwood, submitted low bid to city council at \$61,432 for constructing sewers in Main St. bet. Delhi Road and Dyer Road; also portions of other streets, involving cement sewers; concrete manholes; pumping plant; fire hydrants; lamp holes and flush tanks.

NAPA, Napa Co., Cal.—Until July 1, 10 A. M., bids will be received by James A. Daly, county clerk, for various drainage structures in Berryessa Valley on line of proposed improvement of the present county road. Specifications on file with clerk of Board. Certified check 10% payable to Chairman of Supervisors required.

SANTA CRUZ, Santa Cruz Co., Cal.—Merritt-Chapman & Scott, San Pedro, awarded contract at \$14,750 by city council for repair and anchorage of existing outfall sewer in the Pacific Ocean, involving repair of the break in the east pipe line and construction of concrete foundation anchor blocks in the east and west outfall pipe lines.

GUSTINE, Merced Co., Calif.—Until July 7, 8 P. M., bids will be received by W. L. Chappell, city clerk, to furnish and lay approximately 6200 ft. of 24-in. vit. clay pipe sewer. Specifications obtainable from above on deposit of \$15, returnable. Certified check of 10% required, payable to the chairman of board. A. E. Cowell, city engineer.

BERKELEY, Alameda Co., Calif.—Until June 24, 10 A. M., bids will be received by F. E. Turner, city clerk, to construct sewer in Keith Avenue, Bret Harte Road and Cragmont Ave. Specifications obtainable from Harry Goodridge, city engineer, on deposit of \$10, returnable. Certified check of 10% required, payable to city.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5149) to improve Elm street, between Villa and McKendrie streets, involving grading; 1½-in. asphaltic concrete wearing surface; 2½-in. asphaltic concrete foundation; cement concrete curms, gutters, walks; 268.50 feet of 6-in vitrified pipe sanitary sewers; brick sewer manhole; 4-in vitrified pipe sewer lateral; 2 sanitary flushing inlets. Bond Act 1911. Hearing June 30. J. J. Lynch, city clerk. Wm. Popp, city engineer.

SAN BRUNO, San Mateo Co., Cal.—City Council declares intention (1129) to improve Scott Street, San Mateo Ave., Pacific, Atlantic, Bay Shore Circle, north and south, and various other streets involving grading; paving; cement concrete curbs, gutters, sidewalks; cement concrete pipe storm water sewers; manholes; catchbasins. Bond Act 1911. Improvement Act 1915. Hearing July 9. E. A. Bohm, City Clerk.

PLAYGROUNDS & PARKS

VALLEJO, Solano Co., Calif.—Proceedings have been started by city council to purchase property located between Florida and Georgia Sts. and Amador and the Southern Pacific tracks. Property to be used for a new city park.

PITTSBURG, Contra Costa Co., Cal.—Plans are under way for a recreational park in the northern part of town. Tennis courts, playground apparatus and other modern equipment to be installed.

OKADALE, Stanislaus Co., Cal.—City Council plans to purchase fifty-three-acre tract near Modesto for a county park.

SANTA ROSA, Sonoma Co., Cal.—Negotiations are under way by the Chamber of Commerce to deed title of Veterans' Park on McDonald Ave. to city for development as a public park.

LODI, San Joaquin Co., Cal.—L. T. Mason has offered to sell to the city council for \$15,000 the site of Smiths Lake, comprising 56 acres, to be used for a public park.

STREETS AND HIGHWAYS

SAN FRANCISCO—Until July 2, 2:30 P. M., bids will be received by S. J. Hester, Secretary, Board of Public Works, to improve Vernon St., between Randolph and Sargent Sts., involving: Armored concrete curbs; 6-in. Ironstone pipe side sewers; concrete pavement. Specifications obtainable from above. Certified check of 10% required, payable to clerk of supervisors.

RICHMOND, Contra Costa Co., Cal.—Sam Rogers, Richmond, awarded contract at \$1533 by city council (475) to improve portions of Pennsylvania Ave., bet. 18th and 20th Sts.

NAPA, Napa Co., Cal.—City Council authorized H. A. Harold, city engineer, to prepare specifications for improving Jefferson St.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch, San Jose, awarded contract by County to improve (1) Story Road in Supervisor District No. 2 at \$2799; (2) Trimble Road in District No. 2 at \$5199; (3) Yerba Buena Road in District No. 2 at \$3998.

EL DORADO COUNTY, Cal.—Tiffany, McReynolds, Tiffany, McDonald, Failing, San Jose, submitted low bid at \$39,745 to U. S. Bureau of Public Roads, 461 Market St., San Francisco, to surface 4.20 miles of Section B, Strawberry-Phillips, of Route No. 32, Placerville—Lake Tahoe National Forest Highway, involving:

4,000 cu. yds. unclass. excavaton for borrow;
4.20 miles fine grading subgrade and shoulders;
10,300 cu. yds. crushed rock surf.;
800 cu. yds. crushed rock (supplemental);
700 M. gals. watering;
provide and maintain water plant;
maintenance of existing road and sections accepted for traffic (extra work, estimated cost \$1,000);

1,060 cu. yds. coarse screenings;
560 cu. yds. fine screenings;
60 light-of-way monuments (in place).

Complete list of bids follow:

Tiffany, McReynolds, Tiffany & Failing, San Jose	\$39,745
Montfor & Armstrong, Sacto.	44,599
Hein Bros. Bysalt & Rock Co., Petaluma	46,687
Hemstreet & Bell, Marysville	47,425
Harold Smith, St. Helena	48,972
Engineer's estimate	46,520
Bids taken under advisement.	

VALLEJO, Solano Co., Cal.—City Council declares intention (171) to improve Indiana Street from Colusa to Amador Street involving: Grading; 5-in. cement concrete pavement; 6 ft. wide and 4-inch thickness cement concrete sidewalks; 4-in. vitrified clay sewer; sewer lateral; cement concrete curbs and gutters. Improvement Act 1915. Hearing July — A. E. Edgecumbe, city clerk. T. D. Kilkinney, city engineer.

SAN JOAQUIN COUNTY, Cal.—Following bids received June 18 by State Highway Commission to grade and widen about 3.3 miles bet. Houston School and Forest Lake with cement concrete and crusher run base:

Larsen Bros., Galt	\$42,828
Lilly, Ward & Besotti, Stockton	43,055
George Pollock, Sacramento	43,201
C. W. Wood, Stockton	46,183
Pieria & Reed, Tracy	47,144
R. G. Letourneau, Stockton	49,464
Frederickson & Watson & Frederickson Bros., Oakland	50,236

Gannon & McCarty, Stockton	53,629
D. McDonald, Sacramento	54,086
A. Teichert & Son, Sacramento	55,831
Kennedy Bayless Constr. Co., Biggs	64,030
Bids held under advisement.	

TEHAMA COUNTY, Cal.—Until July 17, 2 P. M., bids will be received by C. W. Sweetser, District Engineer, 461 Market St., San Francisco, to grade Section A Route #21, Deer Creek National Forest Highway, in Lassen National Forest, a length of 3.4 miles involving:

25.32 acres clearing;
127,500 cu. yds. unclass excavation;
325 c. yds. structural excavation;
14,045 sta. yds. overhaul;
3.4 miles finish;
140 sq. ft. crib face in place;
62 lin. ft. culvert in place;
1,386 lin. ft. corr. metal pipe in place;
344 cu. yds. hand laid rock embankment;
103 right-of-way monuments.

Specifications obtainable from above on deposit of \$10, returnable. Certified check of 5% required payable to Federal Reserve Bank of San Francisco.

SAN JOAQUIN COUNTY, Cal.—Following bids received June 18 by State Highway Commission to grade and surface about 1.8 miles bet. French Camp and Stockton with crushed gravel or stone:

Larsen Bros., Galt	\$38,726
C. W. Wood, Stockton	38,900
C. W. Morgan Paving Co., L. A.	43,487
Healy-Moore Co., Oakland	49,390
Bids held under advisement.	

SANTA CRUZ COUNTY, Cal.—Following bids received June 18 by State Highway Commission to grade and surface about 2.6 miles bet. Waterman Switch-back and Saratoga Gap with bituminous treated waterbound macadam:

O. A. Lindberg, Stockton	\$127,220
E. C. Coates, Sacramento	132,253
J. F. Holland, Inc., S. F.	139,641
E. H. Travers, Los Angeles	144,043
Ariss-Knapp Co., Oakland	153,484
M. J. Bevanda & Son, Stockton	156,052
Granfield, Farrar & Carlin, San Francisco	157,201
C. R. Johnson, S. F.	166,729
Geo. Pollock Co., Sacramento	167,964
W. A. Dontanville, Salinas	178,053
Bids held under advisement.	

CARSON CITY, Nev.—Nevada Rock & Sand Co., Reno, was awarded contract by the Nevada Highway Department June 11 at \$134,533.14 for reconstruction of a portion of the state highway system in Elko County from Elko to Deeth, Route 1, Sections B and C, a length of 31.44 miles. Engineer's estimate, \$165,939.

LOS ANGELES, Cal.—G. H. Oswald, 366 E 58th St., awarded contract by county supervisors June 16 at \$94,954.99 for improving streets in C. I. No. 499, 116th St. from Central Ave. to Alameda Street, near Watts, \$725 ft. or 1.65 miles.

LOS ANGELES, Calif.—The city council has denied protests and has ordered construction of storm drain and street improvement in the Olive St. and 23rd St. Imp. Dist. The storm drain will be approximately 33,805.70 ft. or 6.4 miles. The rough estimate of the storm drain cost is \$376,000. The city council has allotted \$127,000 in cash.

SACRAMENTO, Calif.—Proceedings have been started by city council to improve and reroute Fifth Ave. Est. cost of new street work would involve approximately \$50,000.

MONTEREY, Monterey Co., Calif.—City council declares intention (2977) to improve Harrison St. between Clay and High Sts., involving grading; paving with asphalt. conc. wearing surface 2 inches in thickness. Improvement Act 1915. Hearing July 1. C. A. Hudson, city clerk. Howard Severance, city engineer.

MODESTO, Stanislaus Co., Cal.—Standard Paving Company, Modesto, awarded contract at \$1705 by city council (215) to improve alley through Block No. 534, from Needham St. to point 13.50 ft. north of Alice St. involving grading; cement conc. pave.; O. P. headers.

SANTA ROSA, Sonoma Co., Cal.—Until June 27, 12 noon, bids will be received by George F. Sanborn, County Clerk, to construct reinforced concrete culvert on Washington St. in District #1 involving: 40 cu. yds. excavation structures; 50 cu. yds. class A concrete; 5700 lbs. reinforced steel. Specifications and further information obtainable from above.

SANTA ROSA, Sonoma Co., Cal.—City Council declares intention (1617) to improve Boyce street between Donahue and Hudspeth streets, involving grading; 4-in. waterbound macadam foundation pavement and 3-in. asphaltic concrete surface pavement; hydraulic concrete curbs and gutters. Bond Act 1911. Improvement Act 1915. Hearing July 1. N. L. Donovan, city clerk.

BERKELEY, Alameda Co., Cal.—Until June 24, 10 A. M., bids will be received by F. E. Turner, city clerk, to re-surface and construct catch-basins with pipe connections on Shattuck Avenue between Ward and Parker Streets. Specifications obtainable from Harry Goodridge, City Engineer, on deposit of \$10, returnable. Certified check of 10% required, payable to city.

SAN JOSE, Santa Clara Co., Cal.—City council declares intention (5149) to improve Elm Street, between Ville and McKendrie streets involving grading; 1½-inch asphaltic concrete wearing surface; 2½-in. asphaltic concrete foundation; cement concrete curbs, gutters, walks; 268.50 feet of 6-in. vitrified pipe sanitary sewers; brick sewer manhole; 4-in. vitrified pipe sewer lateral; 2 sanitary flushing inlets. Bond Act 1911. Hearing June 30. J. J. Lunch, city clerk. Wm. Popp, City Engineer.

GLENDALE, Los Angeles Co., Cal.—Atkinson & Reish, 1241 Ethel St., awarded contract at \$32,206 by city council to improve 8th St., Hillcrest

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Ave., Highland Ave., Norton Ave. and other streets, involving: 102,010 sq. ft. 4-in. asph. conc. paving; 541 sq. ft. 6-in. conc. grading; 3420 sq. ft. re-grading and oiling; 8294 sq. ft. gutter; 26,339 sq. ft. walk; 5408 ft. curb; 1270 ft. 8-in. vit. pipe sewer; 770 ft. 6-in. vit. house sewers; 4 flush tanks without apparatus; water system, complete.

LOS ANGELES, Calif.—Until 10 A. M., July 2, bids will be received by the board of public works for improving 256th St. bet. Belle Porte Ave. and the west city boundary, involving grading, remodeling with oiled roadway, Durlite pavement, concrete pavement, curb, walk, gutter, vit. sewer, water services, fire hydrants. 1911 Act.

LOS ANGELES, Cal.—Until 10 A. M., July 9, bids will be received by the Board of Public Works for improving Fries Ave., between A St. and the Inner Bay Exception Line, and portions of Avalon Blvd., involving grading, remodeling with asph. conc. wearing surf., asph. concrete catchbasins, vit. drains, remodeling sanitary sewer, C. 1 water mains, fire hydrants. 1911 Act.

LOS ANGELES, Cal.—Geo. H. Oswald, 366 E 53th St., Los Angeles, (HU 2150), was awarded contract by the board of public works June 13, at \$426,129.43 for improvement of streets in Main St. and 90th St. Imp. Dist. Estimate, \$506,069.72.

LOS ANGELES, Cal.—W. F. Crawford, 6900 Washington Blvd., Culver City, (Culver City 4456), was awarded contract by board of public works on June 13 at \$563,647.38 for improving Sunset Blvd. bet. Normandie Ave. and Havenshurst Drive. Estimate \$702,912.50.

NAPA, Napa Co., Cal.—Until July 1, 10 A. M., bids will be received by James A. Daly, county clerk, to surface with Bituminous wearing surface the following roads: Vichy Springs to Dr. Robertson's corner; Trancas Cross Road; Los Carneros Ave. and Cuttings Wharf road; Big Ranch road; Second Ave. (North); Laurel, Kilburn and Ornduff Aves. Specifications obtainable from above. Certified check of 10% required payable to Chairman of Board of Supervisors.

SAN BRUNO, San Mateo Co., Cal.—City Council declares intention (1129) to improve Scott Street, San Mateo Ave., Pacific, Atlantic, Bay Shore Circle, north and south, and various other streets involving grading; paving; cement concrete curbs, gutters, sidewalks; cement concrete pipe storm water sewers; manhole; catchbasins. Bond Act 1911. Improvement Act 1915. Hearing July 9. E. A. Bohm, City Clerk.

LOS ANGELES, Cal.—Until 10 A. M., July 9, bids will be received by the Board of Public Works for improving Mannix Drive, from Kirkwood Drive to 2020 ft. east, involving concrete pavement, reinforced integral curb, concrete retaining wall, vit. storm drain, vit. sewers, fire hydrants, etc. 1911 Act.

LOS ANGELES, Cal.—Until June 30, 2 P. M., bids will be received by Board of Supervisors for improving Third St. from Atlantic Ave. to Mesa Drive, a length of 14,564 feet or 2.75 miles, involving 93,967 cu. yds. excavation; 791 ft. 24-in. corr. metal pipe. M. B. Beatty, 303 Hall of Records, clerk of board.

SACRAMENTO COUNTY, Cal.—Until July 9, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to grade and pave with Portland cement concrete 2.6 miles between one mile south of Arno and Cosumnes River.

See call for bids under official proposal section this issue.

LOS ANGELES COUNTY, Cal.—Until July 9, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to surface about 12.6 miles with bituminous macadam between 1.2 miles and 13.9 miles north of Castaic School.

See call for bids under official proposal section this issue.

RIVERSIDE COUNTY, Cal.—Until July 9, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to widen about 6.2 miles of existing roadbed between northerly boundary and 1 mile west of Beaumont.

See call for bids under official proposal section this issue.

YOLO COUNTY, Cal.—Until July 9, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to grade and pave with asphalt concrete about 5.3 miles between Bretona and Dunnigan.

See call for bids under official proposal section this issue.

DEL NORTE COUNTY, Cal.—Until July 9, 2 P. M., bids will be received by State Highway Commission, Public Works Bldg., Sacramento, to surface with oil treated gravel or stone (road mixed) about 12.7 miles between Southerly boundary and Wilson Creek.

See call for bids under official proposal section this issue.

LOS ANGELES, Cal.—Until June 25, 10 A. M., bids will be received by Board of Public Works for improving W 8th St. between Figueroa St. and Windsor Blvd., involving approx.: 31,670 sq. ft. 4-in. 6-in. 7-in. 8-in. and 10-in. conc. paving; 15,196 tons asph. conc. wearing surface; 17,561 tons asph. concrete base; 669,800 sq. ft. 4-in. 6-in. and 8-in. concrete base; 29,660 ft. Truscon curb bar; 43,756 feet curb; 375,992 sq. ft. walk; 42,662 sq. ft. gutter; storm drain; sanitary sewer; 67 water services; ornamental lighting system. Allocation by city council, \$210,423.

BAKERSFIELD, Kern Co., Cal.—C. W. Hartman, Bakersfield, awarded contract at \$3,072 by Kern River Levee District for grading and surfacing por-

tion of the present levee and the construction of new levees all on the south side of the Kern river extending from main line of S. P. R. R. in a SW direction to a point near Oak St. Bridge. Other bids submitted were: Carl Ingalls, Inc., Bakersfield, \$3,795; M. J. Treaster, Sacramento, \$3,327.

PALO ALTO, Santa Clara Co., Cal.—N. M. Ball, 1839 Yosemite St., Oakland, awarded contract by city council at \$2,659 to construct sidewalks on portions of Ramona and Alma Streets and California Avenue, involving hydraulic concrete sidewalks.

LOS ANGELES, Cal.—Until 2 P. M., June 30, bids will be received by the board of supervisors for improving the Norwalk and Puente Mill Road in the vicinity of Norwalk, from Santa Gertrudes Road to Anaheim—Telegraph Road, 8957 ft. or 1.7 miles, involving: 11,738 cu. yds. excav.; 277,951 sq. ft. 1½-in. asph. conc. wearing surf.; 277,634 sq. ft. 6-in. asph. conc. base; 286,253 sq. ft. 5-in. D. R. and old macadam base; 87,050 sq. ft. 4-in. D. R. base with rock and oil wearing surf.; construction of reinf. conc. box culvert, complete with headwalls. Mame B. Beatty, 303 Hall of Records, clerk of the board.

MARYSVILLE, Yuba Co., Cal.—City Council declares intention (36) to improve 12 St. bet. B and Chestnut Sts.; E St. bet. 4th and 6th Sts.; B St. from 16th to 17th Sts., involving removing curbs and sprinkler system; to grade; paving with 2½-in. asph. conc. base and 1½-in. Warrenite-Bitultic wearing surface; concrete curbs and gutters. Imp. Act 1915. Bond Act 1911. Hearing June 30. Chester O. Gates, city clerk.

PASADENA, Los Angeles Co., Cal.—Until 10 A. M., July 1, bids will be received by the city directors for improving Walnut Street between Fair Oaks and Orange Grove Ave., involving: 4330 cu. yds. grading; 3965 sq. ft. 7-in. conc. paving; 2283 sq. ft. 6-in. conc. paving; 118,280 sq. ft. 7-in. conc. paving; 10,933 sq. ft. 4-in. 4308 sq. ft. 3-in. and 313 sq. ft. 2-in. asph. conc. paving; 5100 ft. curb; 1710 sq. feet gutter; 23,400 sq. ft. walk; ornam. lights (Lalux type); sewer system; conduits.

SANTA ROSA, Sonoma Co., Calif.—Until June 27, 1:30 P. M., bids will be received by Geo. P. Sanborn, county clerk, to construct two reinforced concrete culverts on Adobe to Eureka School Road in District No. 1, involving: 280 cu. yds. structure excavation; 124 cu. yds. concrete; 13,700 lbs. reinf. steel; 5700 cu. yds. roadway fill. Specifications and further information available from above.

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SANTA ROSA, Sonoma Co., Calif.—Until June 27, 1:30 P. M., bids will be received by Geo. P. Sanborn, county clerk, for reinforced concrete culvert on Skaggs Springs Road in District No. 4, involving: Class A concrete, 20 cu. yds.; 2,300 lbs. reinf. steel; 30 cu. yds. structure excavation; 900 cu. yds. roadway fill. Specifications and further information obtainable from above.

SANTA ROSA, Sonoma Co., Calif.—Until June 27, 1:30 P. M., bids will be received by Geo. P. Sanborn, county clerk, to surface 10½ miles with asphaltic oil on Healdsburg-Napa Highway in District No. 4. Specifications and further information obtainable from above.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on July 9, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows:

Del Norte County, between Southerly boundary and Wilson Creek (I-D. N-1-A), about twelve and seven-tenths (12½) miles in length, to be surfaced with oil treated crushed gravel or stone (road mixed).

Trinity County, a bridge across Trinity River near Douglas City (II-Tri-20-F and A), consisting of two 125-foot steel deck truss spans with concrete deck, four 56-foot reinforced concrete girder spans and two 30-foot reinforced concrete girder spans.

Yolo County, between Bretona and Dunnigan (III-Yol-7-C), about five and eight-tenths (5.8) miles in length, to be graded and paved with asphalt concrete.

Los Angeles County, between 1.3 miles and 13.9 miles north of Castaic School (VII-LA-4-B), about twelve and six-tenths (12.6) miles in length, portions to be surfaced with bituminous macadam.

Riverside County, between northerly boundary and one mile west of Beaumont (VIII-Riv-26-A), about six and two-tenths (6.2) miles of existing roadbed to be widened.

Sacramento County, between one mile south of Arno and Cosummes River (X-Sac-4-A), about two and six-tenths (2.6) miles in length, to be graded and paved with Portland cement concrete.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 44, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of

the district in which the work is situated. The District Engineer's offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Fresno, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.
DEPARTMENT OF PUBLIC WORKS,
DIVISION OF HIGHWAYS.

C. H. PURCELL,

State Highway Engineer.

Dated June 11, 1930.

MISCELLANEOUS CONSTRUCTION

(Continued from Page 18)

Structural Steel Contract Awarded. FIELD HOUSE Cont. Price, \$64,126 SAN FRANCISCO. Portola Playground, Felton and Hamilton Sts. One-story playground field house (steel frame, wood and plaster construction).

Owner—City and County of San Francisco (Playground Commission). Architect—Gardner Dailey, Room 610, 425 Mason St., San Francisco.

Contractor—Jacks & Irvine, 74 New Montgomery St., San Francisco.

Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.

Other awards will be made shortly.

LODI, San Joaquin Co., Cal.—Hieb Bros. awarded contract at \$1,169 by city council to construct comfort station in Lawrence Park. Other bids were E. T. Wisner, \$1,300; A. T. Schlunk & Son, \$1,225.

Working Drawings Being Prepared. MAUSOLEUM Cost, \$50,000 GRASS VALLEY, Nevada Co., Calif. Greenwood Park.

Reinforced concrete mausoleum. Owner—North American Mausoleum Co., Sacramento.

Architect—Jens C. Petersen, 812 26th St., Sacramento.

Marble interior, tile floors, bronze sash and doors and copper set glass.

WEST LOS ANGELES, Cal.—Fox Film Corporation will move its entire Western Avenue plant to Westwood studio located on Santa Monica Blvd., West Los Angeles, where a number of new buildings will be erected during next six months. Among new buildings proposed are a four-story administration building, sound-proof stages, greenhouse, vaults and scene docks. They will be fireproof structures and will cost, including landscaping, approximately \$5,000,000. W. Asa Hudson, 1323 Santa Monica Blvd., Beverly Hills, architect for buildings

and G. H. Muldorfer, of the Fox Studios, chief consultant. Arthur Taylor, of Salisbury, Bradshaw & Taylor, will be in charge of grading, paving, and other engineering work.

BAKERSFIELD, Kern Co., Cal.—C. L. Stanley awarded contract at \$3365 by city council to construct two comfort stations, one in Central Park and one East Side Park.

June 19, 1930
WRECKING CONTRACT AWARDED S A N FRANCISCO.—California Wrecking Co., 565 Mission St., awarded contract for clearing the site of the Pope & Talbot Lumber Yard, which was destroyed by fire about two weeks ago.

BUSINESS OPPORTUNITIES

SAN FRANCISCO.—Names and addresses of the individuals or firms concerned in these opportunities will be furnished on request to the Business Opportunity Department of Daily Pacific Builder, 545-547 Mission Street, Phone C-Arfield 3744.

O-3501—Agency. Carmel-by-the-Sea, Calif. Party wishes to secure agency direct from manufacturer, of modern household articles, kitchen utensils, specialties, etc. Bank references.

O-3502—Distributor. Chicago, Ill. Well-established concern ready to handle the marketing of any product for companies wishing to secure distribution.

RULING ON ATTORNEYS' FEES IN STREET BOND COLLECTION

Attorneys' fees in a suit to foreclose a street bond issued prior to July, 1927, cannot be collected unless a personal demand has been made on the owner of the property, according to a ruling of the Third District Court of Appeals affirming a decision in the superior court of Los Angeles County in the case of J. H. Sammons vs. Chas. A. Wing.

Suit was brought to foreclose the lien of a street improvement bond issued in Santa Monica in 1926, under the Act of 1911. The case was heard before Judge Engs in the superior court. After elaborate arguments and a consideration of written briefs he decided that since the complaint contained no allegation of a personal demand upon the owner of the lot no allowance could be made for attorneys' fees.

The basis of his ruling was that Sec. 76, which provides for the foreclosure of delinquent street bonds, is controlled in connection with the matter of attorneys' fees by Sec. 27 providing for the foreclosure of street improvement liens, because in Sec. 76 it is provided that the bonds shall be foreclosed in the same manner as provided for the foreclosure of the lien of delinquent assessments. No attorneys' fees can be collected in the foreclosure of a lien of delinquent assessments unless there has been a personal demand.

The bond holder appealed from the decision of Judge Engs and the District Court of Appeals of the Third District announced its decision thru Presiding Justice Finch affirming the decision of the superior court in favor of the property owner.

American Rolling Mill Co., Middle-town, Ohio, has effected a combination with the Sheffield Steel Corp., East Kansas City, Mo., which will add approximately 200,000 tons annually to its production. This action represents the adoption of a new diversification policy by the American Rolling Mill Company.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

751 Burnett	Sandberg	8000
752 Paganini	Perry	67000
753 Simmonds	Owner	6000
754 Lindeman	Lindeman	40000
755 Fanlon	Owner	2400
756 Cammittiri	Owner	3500
757 Cardinale	Owner	2000
758 Logue	Erickson	4000
759 Frank	Owner	1000
760 Beckmann	Owner	4000
761 Lyons	Jensen	4000
762 Stauffer	Owner	22500
763 Welsh Church	Jones	3400
764 Pomerantz	Kandrollick	1000
765 Bell	Cahill	20000
766 Besio	Owner	8000
767 Sullivan	Owner	6000
768 Sullivan	Owner	25000
769 Johnson	Owner	6000
770 Sullivan	Owner	20000
771 Elkington	Owner	4500
772 Selig	Home	2985
773 McDonald	Owner	3500
774 Foley	Andersen	1000
775 Stoneson	Owner	21000
776 Mortensen	Owner	4300
777 Crescio	Owner	3500
778 Stoneson	Owner	7000
779 Firpo	Diestel	3900
780 McCarthy	Owner	7300
781 Roman	Eryant	28249
782 Eng Skell	Owner	10000
783 Marsicano	Martinelli	5000
784 P G & E Co	Larson	54000

ALTERATIONS

(751) 2509 SCOTT ST.; alterations to residence.
Owner—W. S. Burnett, 310 Sansome.
Architect—None.
Contractor—G. Sandberg, 425 20th Ave.
\$8000

FACTORY

(752) 619 SACRAMENTO ST.; six-story & basement reinforced concrete factory building.
Owners—C. M. Paganini and E. P. Barry, 619 Sacramento St.
Architect—C. E. Perry, 519 California.
Contractor—D. Paganini, 519 California Street.
\$67,000

DWELLINGS

(753) S LAIDLEY 104 W Harry; two 1-story and basement frame dwellings.
Owner—L. Simmonds, 495 Ellsworth.
Architect—None. each \$3000

APARTMENTS

(754) SE CALIFORNIA St and Parker Ave.; three-story and basement frame (15) apts.
Owner—H. O. Lindeman, 629 28th Ave.
Architect—L. O. Ebbets, Hobart Bldg.
Contractor—W. R. Lindeman, 822 44th Avenue.
\$40,000

DWELLING

(755) W BADEN 61 N Monterey Blvd. One-story and basement frame dwelling.
Owner—Mrs. Fanlon, 4688 Mission St.
Architect—None. \$2400

DWELLING

(756) N MCKINNON 200 E Phillip; 1-story and basement frame dwelling.
Owner—J. Cammittiri, 1746 McKinnon Avenue.
Plans by Owner. \$3500

ALTERATIONS

(757) NO. 862 ARKANSAS. Alter dwelling; plastering, stucco work, etc.
Owner—V. Cardinale, 2730 23rd St., San Francisco.
Architect—None. \$2000

DWELLING

(758) N TWENTY-NINTH 105 E Castro. One-story and basement frame dwelling.
Owner—M. & A. Logue, 106 29th St., San Francisco.
Architect—None.
Contractor—H. Erickson, 972 Chenery St., San Francisco. \$4000

ALTERATIONS

(759) NW PARIS 175 SW Brazil Ave. Alterations; move building on lot.
Owner—A. B. Frank, 4607 Mission St., San Francisco.
Architect—None. \$1000

DWELLING

(760) E ASHTON 50 S Halloway. One-story and basement frame dwelling.
Owner—E. B. Beckman, 577 Bright St., San Francisco.
Architect—None. \$4000

ALTERATIONS

(761) N MISSION 250 E Sixth. Alterations; excavation and foundations for store.
Owner—T. Lyons, 1333 Mission St., San Francisco.
Architect—G. F. Ashley, 525 Market St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco. \$5000

ADDITION

(762) N CALIFORNIA 139 W Kearny. Two-story and basement frame addition to existing building.
Owner—Stauffer Chemical Co., 634 California St., San Francisco.
Architect—August Nordin, 717 Mills Bldg., San Francisco. \$22,500

REPAIRS

(763) S FOURTEENTH ST., bet. Valencia and Guerrero. Repair fire damage.
Owner—Welsh Church, Premises.
Architect—None.
Contractor—Thos. M. Jones, 643 29th Ave., San Francisco. \$3400

ALTERATIONS

(764) NO. 601 MASONIC AVE. Alter apartments.

Owner—Mrs. Katie Pomerantz, 601 Masonic Ave., San Francisco.
Architect—None.
Contractor—Chas. Kandrollick, 402 Avalon St., San Francisco. \$1000

WAREHOUSE

(765) SE TWELFTH AND BERNICE. Two-story reinforced concrete warehouse.
Owner—Bell Bros., Mills Bldg., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco. \$20,000

DWELLINGS

(766) NW PRAGUE and Persia; two 1-story and basement frame dwellings.
Owner and Builder—Lorenzo Besio, 439 Lisbon Street.
Architect—None. \$3000

(767) 108 FAIRVIEW DR. (292) Manor Drive; one-story and basement frame dwelling.

Owner and Builder—T. J. Sullivan, 1967 Ocean Ave.
Architect—None. \$6000

DWELLINGS

(768) N UPLAND 161 W Manor Dr.; five 1-story and basement frame dwellings.
Owner and Builder—T. J. Sullivan, 1967 Ocean Ave.
Architect—None. \$25,000

DWELLINGS

(769) S ULLOA 95 E 26th Ave.; two 1-story and basement frame dwellings.
Owner and Builder—N. E. Johnson, 270 Monterey Blvd.
Architect—None. \$6000

DWELLINGS

(770) S DARIAN WAY 57 W Manor Drive; four 1-story and basement frame dwellings.
Owner and Builder—T. J. Sullivan, 1967 Ocean Ave.
Architect—None. \$20,000

DWELLING

(771) E 14th AVE. 150 N Vicente; 1-story and basement frame dwelling.
Owner and Builder—G. J. Elkington & Sons, 330 Vicente.
Architect—Chas. Strothoff, 2274 15th Street. \$4500

ALTERATIONS

(772) 506 MARKET ST.; alterations to store.
Owner—Selig Bros., 513 Market St.
Architect—None.
Contractor—Home Mfg. Co., 552 Brannan St. \$2985

DWELLING

(773) S ELIZABETH 158 W Sanchez; one-story and basement frame dwelling.
Owner and Builder—P. M. McDonald, 1049 Treat Ave.
Architect—None. \$3500

ALTERATIONS

(774) 372 EDINBURGH; alterations to dwelling.
Owner—W. J. Foley, 273 Edinburgh.
Architect—None.
Contractor—P. Andersen, 4082 Army. \$1000

Capital City Title
Company
J. C. PALEN
Manager

914 Seventh Street
Sacramento - California

DWELLINGS

(775) S NAVAJO 288 Cayuga; six 1-story and basement frame dwell. ings.

Owner and Builders—Stoneson Bros. and Thorinson, 279 Yerba Buena Avenue.

Architect—Chas. Strothoff, 2274 15th Street. \$21,000

DWELLING

(776) S LIBERTY 180 W Church St.; one-story and basement frame dwelling.

Owner—R. Mortensen, 355 Liberty St. Architect—None. \$4800

DWELLING

(777) SE BACON and Goettingen; 1-story and basement frame dwelling.

Owner—M. Crescio, 8 Wheat St. Architect—None. \$3500

DWELLINGS

(778) S SENECA 60 W Cayuga; two 1-story and basement frame dwellings.

Owner and Builders—Stoneson Bros. and Thorinson, 279 Yerba Buena Avenue.

Architect—Chas. Strothoff, 2274 15th Street. \$7000

REPAIRS

(779) 1225 17th St.; repair fire damage.

Owner—Florence Firpo, 333 Kearny St. Architect—None. Contractor—John Diestel, 333 Kearny. \$3000

DWELLINGS

(780) S 20th AVE. 156 N Quintara; two 1-story and basement frame dwellings.

Owner—John F. McCarthy, 1342 Funston Ave. Architect—None. \$7800

RESIDENCE

(781) SE ULLOA and Rockaway; 2-story and basement frame residence.

Owner—Roman Catholic Archbishop, 1100 Franklin St.

Architect—E. A. Eames, 353 Sacramento St. Contractor—J. A. Bryant, Ltd., 185 Stevenson St. \$26,249

BUILDING

(782) SE RUSS and Howard Sts.; 3-story brick building.

Owner—Eng Skell Co., 203 Mission St. Architect—None. \$10,000

ALTERATIONS

(783) 615 BROADWAY; alterations to hotel.

Owner—Mrs. Mary Marsicano, 781 Green St. Architect—None.

Contractor—J. Martinelli, 666 Mission Street. \$5000

ALTERATIONS

(784) SW 18th and SHOTWELL STS.; rehabilitate building, construct transformer shed and craneway foundations.

Owner—Pacific Gas & Electric Co., 245 Market St. Plans by Owner.

Contractor—H. H. Larson & Co., 64 South Park. \$54,000

PROVISIONAL ARCHITECT'S CERTIFICATE

SAN FRANCISCO COUNTY

June 13, 1930—JAMES F. MCGUINNESS has filed his application for Provisional Architect's Certificate in San Francisco County. Granted May 27, 1930

BUILDING CONTRACTS

San Francisco County

No. Owner	Contractor	Amt.
129 Lyons	Jensen	18000
130 Thorne	Taylor	38367

SALES & SERVICE BLDG.

(129) S MISSION ST. bet. 5th and 6th Sts.; all work on 2-story and basement class C reinforced concrete sales and service building.

Owner—T. Lyons, 1338 Mission St. Architect—None.

Contractor—G. P. W. Jensen, 320 Market St. Filed June 13, '30. Dated June 10, '30. Usual 35 days. 25%

TOTAL COST, \$18,000
Bond, \$9000. Sureties, U. S. Guarantee Co. Limit, 75 days. Plans and Spec. filed.

RESIDENCE

(130) N BROADWAY 87-6 E Scott N 100 x E 50; all work on 3-story and basement frame residence and the wrecking and removing of present building on premises.

Owner—J. Thorne, 2574 Broadway. Architect—A. Parr and J. F. Ward, 68 Post St.

Contractor—Chas. L. Taylor, Alameda, and Wm. H. Jackson, San Francisco.

Filed June 13, '30. Dated June 10, '30. Monthly payments on the 27th. Balance usual 25 days.

TOTAL COST, \$38,367
Forfeit, \$10. Limit, 120 days. Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded Accepted
June 12, 1930—SW MISSION 385 N Virginia NE 25 x SE 133-6 Ptn Lot 367 P V Lands. American Trust Co to Edwin Anderson. June 10, 1930

June 11, 1930—N JOOST AVE 100 W Baden. Anna Bell to whom it may concern. May 31, 1930

June 11, 1930—S O'FARRELL 72-6 W Leavenworth St W 133-9 x S 137-6. J Greenbach to whom it may concern. June 9, 1930

June 11, 1931—W GUERRERO ST 78 N 21st St 22x92-6. J and C Monaghan to whom it may concern. June 10, 1930

June 11, 1930—S FELL ST 137-6 E Webster St E 27 x S 120. E M Collins to C A Evans. June 9, 1930

June 13, 1930—SE GEORGIA and 23rd E 312-4xS 151. J D and A B Spreckels Inv Co to Barrett and Hlp. June 5, 1930

June 12, 1930—LOT 8 BLK 3260 map Blks 3260 to 3269 Balboa Terrace Addn. A J and Mary A Herzig to whom it may concern. June 12, 1930

June 12, 1930—NE COR FOOTE Ave and Ellington, 50x87-6. A Casanova to whom it may concern. June 12, 1930

June 12, 1930—LOTS 25, 26, 27, 28, 29 and 30 Blk 695B Sub No 1 Geneva Terraces. Henry and Hazel Stone, son to whom it may concern. June 10, 1930

July 12, 1930—W DOWNEY 455 S Frederick S 25 x W 80 WA 677. Julian and Mary Kozlowski to whom it may be concerned. June 10, 1930

June 12, 1930—NW PARIS 25 SW Italy Ave SW 50 x NW 75 Blk 8 Excelsior Hd. S W and Antonette Band to whom it may concern. June 11, 1930

June 13, 1930—SE 17th and Connecticut 100x100. Richard Lutge and

Frank Wiestler to Mission Concrete Co. June 12, 1930
June 13, 1930—N PACIFIC AVE 137-6 E Fillmore E 68-9 x N 127-834. Jos Cahen, Claude, Edgar, Max and Fred Rosenberg and Helen R Kahn to Joseph Cahen. June 10, 1930

June 17, 1930—LOTS 5 and 6 BLK 48 Sunnyside, known as 100 Acadia St. Adolph Verges to E L Stone-son. June 17, 1930

June 17, 1930—S TWENTY-SEVENTH 80 W Church W 23-6xS 105 HA 94. Margaret Wagner to whom it may concern. June 10, 1930

June 17, 1930—E MONTGOMERY 120-6 S Bush S 33-6 E 77-6 m or l N 33-6 W 77-6 m or l. The Lurie Co to Spencer B Bagge (as Industrial Constr Co). June 9, 1930

June 17, 1930—S BAY 111-6 W Baker June 17, 1930—S BAY 11-6 W Baker 25x118. Carl and Lillie Risdon to whom it may concern. June 17, '30

June 16, 1930—E 24th AVE 100 S Moraga St S 25 x E 120. G H McCarthy to whom it may concern. June 16, 1930

June 16, 1930—S VICENTE 52-6 W 14th Ave 25x100. G J Elkington & Sons to whom it may concern. June 16, 1930

June 14, 1930—397½ EIGHTH ST COR Harrison St. Guy Simon to Del Mar Meade. June 14, 1930

June 16, 1930—W 28th AVE 100 N Santiago 25x120. John W and Gertrude Rogers to whom it may concern. June 16, 1930

June 16, 1930—NE FRANCISCO & Broderick N 50 x E 93-9. Christine and Viggo Rasmussen to whom it may concern. June 16, 1930

June 14, 1930—E 33rd AVE 100 N Irving St N 25 x E 120. F C and C M Reed to whom it may concern. June 10, 1930

June 14, 1930—SE SILVER AVE 32-9 SE Dartmouth St. Dan Kummer to Ernest Lombardi. June 11, 1930

June 14, 1930—NE JERROLD AVE 25 NW Mendell 50x100. Peter La-place to Philipp Reltz. June 12, 1930

June 14, 1930—397½ EIGHTH ST corner Harrison St. Guy Simon to Del Mar Meade. June 14, 1930

June 14, 1930—LOT 21 BLK 10 map Hillcrest. W O and F Files to whom it may concern. June 12, 1930

June 14, 1930—N FRANCISCO 40 W Leavenworth W 136-3 x N 137-6. Mabel B Alanson to Jack & Irvine. May 12, 1930

June 14, 1930—N FRANCISCO 40 W Leavenworth W 126-3 x N 137-6. Mabel B Alanson to E Sugarman. May 20, 1930

LIENS FILED

San Francisco County

Recorded	Amount
June 12, 1930—NE POLK and Turk Sts N 85 x E 85 WA 7. Albert Nelson vs Haley Bros. \$1000	
June 12, 1930—NE POLK and Turk Sts N 85 x E 85. M E Jackson as G B Jackson & Son vs Haley Bros, Virgil E and Vida C Haley. \$1225.62	
June 13, 1930—N TURK ST and E Polk St N 85 x E 85. Carjolee	

June 12, 1930—LOTS 30, 31 and 32 Blk 143 Map Brown Est Co Sub ptn University Mound. Progress Lumber Co vs L A and E Booker. amount each lot \$52.25

June 10, 1930—S FILBERT 87-6 E Buchanan E 29-6 x S 112-6. John McClean and L MacDonnald vs Annunziata Betti, E Bianchini. \$140

June 13, 1930—E CAROLINA 200 N 22nd N 50 x E 100. Fred Sienlikoff vs Russian Assn of Spiritual Christians of Regular Molikans of San Francisco. \$1670

June 13, 1930—NE POLK and Turk Sts N 85 x E 85. M E Jackson as G B Jackson & Son vs Haley Bros, Virgil E and Vida C Haley. \$1225.62

June 13, 1930—N TURK ST and E Polk St N 85 x E 85. Carjolee

Wall Paper Co, Inc vs Haley Bros, Virgil E and Vida C Haley.....\$878.84	
June 13, 1930—644 MASONIC AVE. J H Sweetman vs D Abraham.....\$408.76	
June 13, 1930—N TURK and E Polk St E 85 x N 85, Judson Pacific Co vs V E, M C and V D Haley as Haley Bros.....\$3000	
June 13, 1930—N TURK and E Polk Sts N 85 x E 85, Chas Monson as Acme Planing Mill vs V E Haley.....\$3117.99	
June 13, 1930—NE TURK and Polk Sts N 85 x E 85, Scott Co, Inc vs Haley Bros, V E and Vida C Ha- ley.....\$2000	
June 13, 1930—NE TURK and Polk Sts N 85 x E 85, W P Fuller and Co, \$2199; Smith Lumber Co of San Francisco, \$1670.61, vs V E and M C and C I Haley as Haley Bros.....\$116.75	
June 17, 1930—E FORTIETH AVE 150 N Fulton N 25xE 120. Rus- sell Hinton vs Herman and Rose Gaba.....\$367.88	
June 17, 1930—NE TURK and Polk N 85xE 85, Jack Johnson (as Jack Johnson Co) vs V E, M C and C I Haley (as Haley Bros).....\$425	
June 14, 1930—NE COR TURK and Polk N 85 x E 85, Charles Heuser as H & H Roofing Co vs V E, M C and C I Haley as Haley Bros.....\$25	
June 16, 1930—N PINE 31-3 E Lyon E 25 x N 80, San Francisco Ter- razzo Assn vs Annie C O'Donnell or A C McDonald.....\$37	
June 16, 1930—NW V 2 NE 45 m or 1 SE and Greenwich St N 87-6 x W 137- 6, Vannucci Bros vs Marian Real- ty Co.....\$1073.05	

RELEASE OF LIENS

San Francisco County

Recorded	Amount
June —, 1930—Lena F. Simmen and James Boasso to William Quirk— 4320 Third St., Bayview Market, meat department, 2 years. \$1680.	
June 10, 1930—C. A. and Ernestine M. Chaquette to The Ninth church of Christ Scientist of S. F.—NE line Lot 3 Blk 2885A, West Portal Park and NW West Portal Ave SW 45 NW 38.8 m or 1 NE 45 m or 1 SE 99.497 to beg. 7 years. \$7500.	
June 11, 1930—W FOUNTAIN 24 S 24th S 23 W 125 N 47 S 30 S 24 E 95, J F Bowman to Sim Rosen.....\$260	

BUILDING PERMITS

Alameda County

740 Catholic	Brennan	1000
741 Murphy	Norgrave	1250
742 Gorrill	McWethy	8000
743 Kulchar	Owner	1500
744 California	Owner	18009
747 Needham	Owner	5000
748 Groce	Owner	2500
749 Headrick	Owner	3250
750 Peel	Owner	3000
751 Treyane	Owner	3000
752 MacGregor	Owner	3500
753 King	Independent	4125
754 Morrison	Owner	3700
755 Villa	Same	3500
756 MacGregor	Owner	3500
757 Eakin	Owner	2800
758 Hildebrand	Nielsen	3750
759 Bowen	Marietti	3500
760 Pagliero	Owner	2500
761 Schwartz	Meyer	1500
762 Standard	Independent	1800
763 Belgrano	Owner	15000
764 Malaffi	Owner	1500
765 Beta Theta Pi	Cederberg	26162
766 Flagg	Owner	3500
767 Walker	Owner	3500
768 Berteaux	Fox	1000

769 Gervais	Independent	3650
770 Steel	Christensen	2700
771 Witt	Falk	3800
772 Bullen	Appelbe	14000
745 Gresap	Beckett	7500
746 Petersen	Petersen	8000

ADDITION	
(740) 1620 62nd AVE., OAKLAND; addition.	
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.	
Architect—None.	
Contractor—J. P. Brennan, 354 Hobart St., Oakland.	\$1000

ALTERATIONS	
(741) NO. 840 SHATTUCK AVE., BERKELEY. Alterations.	
Owner—Lee O. Murphy, Premises.	
Architect—None.	
Contractor—C. M. Norgrave, 2220 Roosevelt Ave., Berkeley \$1250	

GARAGE	
(742) E 14th St. and Best Ave., San Leandro; brick garage.	
Owner—Gorrill Estate.	
Architect—Williams and Wastell, 374 17th St., Oakland.	
Contractor—L. R. McWethy, 337 17th St., Oakland.	\$8000

ALTERATIONS	
(743) NW COR. 56th and GROVE Sts., Oakland; alterations.	
Owner and Builder—S. Kulchar, 731 E 10th St., Oakland.	
Architect—None.	\$1500

SCHOOL	
(744) S CLIFTON 130 E Broadway; three-story 12-room school bldg.	
Owner—California School of Arts and Crafts, 5212 Broadway, Oakland.	
Plans by Fred H. Meyer, 5212 Broad- way, Oakland.	
Mgr. of Const.—Fred H. Meyer, 5212 Broadway, Oakland.	\$18,000

ALTERATIONS	
(745) NO. 2901 PIEDMONT AVE., BERKELEY. Alterations.	
Owner—A. B. Gresap.	
Architect—None.	
Contractor—Beckett & Wright, 722 Scenic Ave., Piedmont.	\$7500

STORE BLDG.	
(746) N E-FOURTEENTH ST. 250 W Twenty-third Ave., OAKLAND One-story brick store building.	
Owner—E. Petersen, 1527 27th Ave., Oakland.	
Architect—None.	
Contractor—J. B. Petersen, 4021 Agua Vista Ave., Oakland.	\$3000

RESIDENCE	
(747) NO. 2324 ROSE ST., BERKE- LEY. Two-story 7-room 1-family frame residence.	
Owner—W. G. Needham, 2333 Rose St., Berkeley.	
Architect—None.	\$5000

DWELLING	
(748) NO. 617 CURTIS ST., ALBANY Five-room dwelling and garage.	
Owner—Paul C. Groce, 708 Pierce St., Albany.	
Architect—None.	\$2500

DWELLING	
(749) NO. 825 POMONA AVE., AL- BANY. Six-room dwelling.	
Owner—H. G. Headrick, 1054 Masonic Ave., Albany.	
Architect—None.	\$3250

DWELLING	
(750) NO. 1163 SANTA FE AVE., ALBANY. Five-room dwelling.	
Owner—Marcus A. Peel, 10 Oak- vale Ave., Berkeley.	
Architect—None.	\$3000

DWELLING	
(751) NO. 1316 PORTLAND AVE., ALBANY. Six-room dwelling.	
Owner—R. Treyane, 1062 Stannage Ave., Albany.	
Architect—None.	\$3000

DWELLING	
(752) NO. 1309 WASHINGTON AVE., ALBANY. Six-room dwelling and garage.	
Owner—C. M. MacGregor, 470 13th St., Oakland.	
Architect—None.	\$3500

STATION	
(753) NO. 1516 SOLANO AVE., AL- BANY. Service station.	
Owner—Anna V. King, 519 Curtis St., Albany.	
Architect—None.	
Contractor—Independent Iron Works, 1324 Chase St., Oakland.	\$4125

DWELLING	
(754) NO. 726 CARMEL AVE., AL- BANY. Six-room dwelling.	
Owner—K. C. Morrison, 443 62nd St., Oakland.	
Architect—None.	\$3700

DWELLING	
(755) NO. 709 RAMONA AVE., AL- BANY. Five-room dwelling.	
Owner—Joe Villa, 1207 Solano Ave., Albany.	
Architect—None.	\$3500

DWELLING	
(756) NO. 1317 WASHINGTON AVE., ALBANY. Six-room dwelling.	
Owner—C. M. MacGregor, 470 13th St., Oakland.	
Architect—None.	\$3500

DWELLING	
(757) NO. 1226 GARFIELD AVE., ALBANY. Five-room dwelling.	
Owner—C. E. Eakin, 2479 Le Conte St., Berkeley.	
Architect—None.	\$2800

DWELLING	
(758) NO. 801 KEY ROUTE BLVD., ALBANY. Five-room dwelling.	
Owner—Sadi Hildebrand, 2610 Grove St., Oakland.	
Architect—None.	
Contractor—N. C. Nielsen, 840 7th Ave., Oakland.	\$3750

BUILDING	
(759) NO. 1008 KAINS AVE., AL- BANY. Five-room stucco build- ing.	
Owner—W. U. Bowen, 1446 Leaven- worth St., San Francisco.	
Architect—G. I. Fitzgerald, 112 Upper Terrace, San Francisco.	
Contractor—Chas. Marietti, 1201 Stan- nage Ave., Berkeley.	\$3500

BUILDING	
(760) NO. 433 SAN PABLO AVE., ALBANY. Building for experi- mental purposes.	
Owner—John Pagliero, 420 Kains Ave., Albany.	
Architect—None.	\$2500

ADDITIONS	
(761) NO. 1356 VERSAILLES AVE., ALAMEDA. Additions to frame dwelling.	
Owner—E. Schwartz, Premises.	
Architect—None.	
Contractor—R. Meyer, 2059 Clinton Ave., Alameda.	\$1500

ALTERATIONS	
(762) SE CORNER SECOND AVE & E 18th St.; SE cor. 66th and Tele- graph and NE cor. 48th Ave. and Foothill Blvd., OAKLAND; three alterations.	

Owner—Standard Oil Co., Standard Oil Bldg., San Francisco.
 Architect—None.
 Contractor—Independent Iron Works, 1824 Chace St., Oakland. \$1800

WAREHOUSE
 (763) NW COR. E EIGHTH ST. and 8th Ave., OAKLAND; one-story brick warehouse.
 Owner and Builder—F. N. Belgrano, Jr., 376 Pine St., Oakland.
 Architect—None. \$15,000

DWELLING
 (764) 923 87th AVE., OAKLAND; one-story 4-room dwelling.
 Owner and Builder—Mrs. G. Malfatti, 923 87th Ave., Oakland.
 Architect—None. \$1500

ALTERATIONS
 (765) 2607 HEARST AVE., BERKELEY; alterations.
 Owner—Beta Theta Pi Hall Association, 2607 Hearst Ave., Berkeley.
 Architect—None.
 Contractor—A. Cedarborg, 1455 Excelsior Ave., Oakland. \$26,162

ALTERATIONS
 (766) NE COR. PIEDMONT AVE. & Montell St.; NW cor. Grand Ave. and Jean and NE. cor. Fruitvale Ave. and Foothill Blvd., OAKLAND; three alterations.
 Owner—Standard Oil Co.
 Architect—None.
 Contractor—Independent Iron Works, 1824 Chace St., Oakland. \$1800

DWELLING
 (767) W. BOSTON AVE. 33 S Harold St., OAKLAND; one-story 5-room dwelling.
 Owner and Builder—S. C. Walker, 3231 Boston Ave., Oakland.
 Architect—None. \$3500

DWELLING
 (768) 3445 GUIDO RD., OAKLAND; one-story 5-room dwelling and 1-story garage.
 Owner and Builder—J. S. Flagg, 3221 Madeline St., Oakland.
 Architect—None. \$3500

ALTERATIONS
 (768) 2601 BOWDITCH ST., BERKELEY; alterations.
 Owner—W. H. Berteaux, 2401 Bowditch St., Berkeley.
 Architect—None.
 Contractor—Fox Bros., 1434 University Ave., Berkeley. \$1000

SERVICE STATION, ETC.
 (769) SE COR. SEMINARY AVE. & Trenor, OAKLAND; 1-story steel service station, 1-story steel comfort station and 1-story tile and concrete service station.
 Owner—Gervais and Eaton, 3200 62nd Ave., Oakland.
 Architect—None.
 Contractor—Independent Iron Works, 1824 Chace St., Oakland. \$3650

DYEING WORKS
 (770) W. TELEGRAPH AVE. 100 S 5th St., OAKLAND; one-story brick and concrete cleaning building and 1-story brick and concrete dyeing plant.
 Owner—Marshall Steel, Center Street, Berkeley.
 Architect—Alben Froberg, Ray Bldg., Oakland.
 Contractor—H. J. Christensen, Ray Bldg., Oakland. \$27,090

DWELLING & GARAGE
 (771) E 106th AVE. 32 S Breed St.; OAKLAND; one-story five-room dwelling and 1-story garage.
 Owner—Albert Witt, 3314 14th Ave., Oakland.
 Architect—None.
 Contractor—Chas. W. Faik, 1520 East 38th St., Oakland. \$3800

BUILDING CONTRACTS

Alameda County

No.	Owner	Contractor	Amt.
107	Dietz	Roth	33825
108	Safeway	Heyer	28120
109	Beta Theta Pi	Cederborg	26162
110	Larmer	Scott	9400
111	Thorpe	Scott	7809
112	Schuster	Scott	3565

GARAGE
 (107) SE BUENA VISTA AVE. and Park St., Alameda; general construction on one-story reinforced concrete garage.

Owner—Frank Dietz as The Dietz Motor Co., 2318 Central Ave., Alameda
 Architect—Angelo Hewetson, 1100 Versailles Ave., Alameda.

Contractor—Conrad Roth, 2101 Central Ave., Alameda.
 Filed June 11, '30. Dated May 22, '30.
 Steel erected \$6765
 Brick work completed 6765
 Plastering done 6765
 When completed 6765
 Usual 35 days 8765
TOTAL COST, \$33,825
 Limit, 80 days. Plans and Spec. filed.

PRODUCE BLDG.
 (109) HARRISON St. bet. 1st & 2nd Sts., Oakland; general construction on class C produce building.
 Owner—Safeway Stores, Inc., 4th and Jackson Sts., Oakland.

Architect—Maurice C. Couchot, Jesse Rosenwald and Chas. F. B. Roeth, 525 Market St., San Francisco and 1404 Franklin St., Oakland.
 Contractor—C. W. Heyer, Jr., 33 York Drive, Oakland.

Filed June 11, '30. Dated June 9, '30.
 Completion 75%
 Final settlement 25%
TOTAL COST, \$28,120
 Bond, \$14,060. Sureties, National Surety Co. Limit, 60 days. Plans and Spec. filed.

ADDITIONS
 (109) NE HEARST AND LE ROY Aves., Berkeley. All work for addition and alterations to Fraternity House.

Owner—Beta Theta Pi. Hall Association, Berkeley.
 Architect—W. H. Ratcliff, Mercantile Trust Bldg., Berkeley.
 Contractor—Alex Cederborg, 1455 Excelsior Blvd., Oakland.

Filed June 12, '30. Dated June 11, '30.
 On 1st of each month 75%
 Usual 35 days Balance

TOTAL COST, \$26,162
 Bond, \$26,162. Sureties, Union Indemnity Co. Limit, 65 days. Forfeit \$10 per day. Plans and specifications filed.

PLUMBING & HEATING
 (110) SW VIRGINIA ST. and Le Roy Ave., Berkeley; installing plumbing and heating in apartment bldg.
 Owner—E. Larmer, 90 Fairview Ave., Oakland.

Contractor—The Scott Co., 113 10th St., Oakland.
 Filed June 13, '30. Dated May 5, '30.
 When roughing-in material is delivered 25%
 When roughed in 25%
 When boiler and radiators are delivered 25%
 When contract is completed 25%
TOTAL COST, \$9400

PLUMBING & HEATING
 (111) S SANTA CLARA AVE. bet. Willow and Walnut Sts., Alameda; installing heating and plumbing in 3-story apartment building.
 Owner—Hrig & Thorpe, 1177 Regent St., Alameda.
 Architect—None.

Contractor—The Scott Co., 113 10th St., Oakland.
 Filed June 13, '30. Dated Apr. 25, '30.
 When roughing-in materials are delivered 30%
 When roughed in 25%
 When boilers are delivered 25%
 When completed 20%
TOTAL COST, \$7800

PLUMBING & HEATING
 (112) W MONTGOMERY 300 ft N of Ridgeway, Oakland; plumbing and heating in apartment building.
 Owner—Harry Schuster, 2424 Curtiss St., Oakland.
 Architect—None.
 Contractor—The Scott Co., 113 10th St., Oakland.

Filed June 13, '30. Dated Apr. 10, '30.
 When roughing-in materials are delivered 30%
 When roughed in 30%
 When boiler, etc., is delivered 20%
 When contract is completed 20%
TOTAL COST, \$3565

COMPLETION NOTICES

Alameda County

Recorded	Accepted
June 13, 1930—W HORTON ST. 25 SE of N extremity of Horton St, Emeryville. Edward R Bacon to The Austin Co of Calif, Ltd.	June 7, 1930
June 13, 1930—LOT 15 BLK 9, Northbrae, Berkeley. D D and Patricia Mae Edmonds to Millar White	June 5, 1930
June 11, 1930—FIFTY-FOURTH Ave., Oakland. Southern Pacific Co to Hutchinson Co.	June 2, 1930
June 11, 1930—WEST OAKLAND. Southern Pacific Co to Hutchinson Co.	June 2, 1930
June 11, 1930—SIXTH ST., Berkeley. Southern Pacific Co. to Hutchinson Co.	June 2, 1930
June 11, 1930—EMERYVILLE. Southern Pacific Co. to Hutchinson Co.	June 2, 1930
June 11, 1930—LIVERMORE. Southern Pacific Co to Hutchinson Co.	June 2, 1930
June 11, 1930—EMERYVILLE. Southern Pacific Co. to Hutchinson Co.	June 2, 1930
June 11, 1930—CAMPUS OF UNIVERSITY of California, Berkeley. The Regents of the University of California to Carl T Doell Co.	June 5, 1930
June 11, 1930—NO. 2323 FILBERT St., Oakland. Independent Cleaning & Dyeing Works to whom it may concern.	June 5, 1930
June 11, 1930—PTN LOTS 26 AND 27 Blk 3, North Croftmont, Berkeley. L C Tyrrell to J F Altimit	June 9, 1930
June 12, 1930—LOT 32 AND PTN Lot 31 Blk 13, May No. 8 of Regents Park, Albany. Grover Ellam to whom it may concern	June 11, 1930
June 12, 1930—NO. 4254 MONTE-rey Blvd., Oakland. W H Warren to whom it may concern.	June 10, 1930
June 11, 1930—LOTS 20 AND 21 Blk 14, Solano Ave. Terrace, Berkeley. B Reinnighaus to whom it may concern.	June 9, 1930
June 11, 1930—LOT 82 Joaquin Miller Acres, Oakland. J N Bos-tick to Peters & Booth. June 11, '30	June 10, 1930
June 10, 1930—1206 Delaware Street, Berkeley. Albin Immonen to whom it may concern.	May 28, 1930
June 10, 1930—1215 COLUSA AVE., Berkeley. R O Brown to whom it may concern.	June 1, 1930
June 10, 1930—LOT 38, 55th Avenue Terrace, Oakland. F O Sundblom	

and Harry Kolmodin to whom it may concern.....June 7, 1930
 June 17, 1930—880 CREED ROAD, Oakland. Arthur J Creon to Jas L Rich.....June 11, 1930
 June 17, 1930—LOT 16 BLK 2, Case Tract, Berkeley. L E Worth to E W Wilson.....June 8, 1930
 June 17, 1930—LOT 216, Unit 2, Avenue Terrace Tract, Oakland. W A and Blanche McPherson to Gerald W McPherson.....June 13, 1930
 June 17, 1930—LOT 74 and SW 10 ft Lot 73, map of E B and A L Stone Co's Lots, Oakland. E Offe to Jas D Johnston.....June 17, 1930
 June 16, 1930—LOT 16, Avenue Terrace, Oakland. Edith M Peterman to I H Reimers.....June 13, 1930
 June 16, 1930—PTN LOT 1 BLK 7, Plan of the How Tract, Oakland. Anton Steppan to Fred Peters.....June 16, 1930
 June 16, 1930—3415-17-19 PEACH ST Oakland. Laura L M Osborne to John Fleming.....June 9, 1930
 June 16, 1930—SW ASHBY AVE & Sacramento St, Berkeley. A H Gage to Tle Dyer Const Co.....June 14, 1930
 June 13, 1930—NO. 160 ESTATES Drive, Piedmont. Perle D Froehlich to whom it may concern.....June 9, 1930
 June 14, 1930—LOTS 10, 11, 12, 13, 14 and W 20 ft. Lot 16, Map of Benton Ppty, Berkeley. International House to Forderer Cornice Works.....June 12, 1930
 June 14, 1930—LOT 17 BLK 1, Melrose Acres, Oakland. Myrl S Morris to whom it may concern.....June 13, 1930
 June 13, 1930—LOTS 10, 11, 12, 13, 14, 15 and W 20 ft. Lot 16, Map of Benton Property, Berkeley. International House to General Roofing Co.....June 7, 1930

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
June 12, 1930—2531 TRUMAN Ave. Oakland. Perry C Fry Co vs W W Brown.....	\$52.18
June 12, 1930—E 8314 AVE and Hillside St, Oakland. Perry C Fry Co vs W W Brown.....	\$56.32
June 11, 1930—PTN LOT 96 and 97, St James Woods, Piedmont. Maxwell Hdwe Co, \$237.15; Rigney Tile Co, \$460, vs Perle D Froehlich and U E Williams.....	\$161.22
June 11, 1930—1223-1225 CORNELL Ave, Albany. General Hardware Co vs Wm E and Julia E Bowlib, Henry H Baldwin, Ollie M Hart-sinck.....	\$161.22
June 13, 1930—LOT 14 and S 58 ft. Lots 10 and 11, Scoville Tract, Berkeley. Smith Lumber Co of Oakland vs C O Dull and Joe Daneri.....	\$777

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
June 10, 1930—LOTS 7, 8 and 9 and ptn Lots 10 and 11 Blk 2, amended map of La Loma Park and Wheeler Tract, Berkeley. American Blower Corp to George M and Mintie E Frisbie, Nottingham Heating & Ventilating Co, George D Blood.....	\$313
June 14, 1930—PTN LOT 111, Oak Park Tract, Oakland. Sterling Lumber Co to C R Baender; State Roofing Co and Charles A and Nellie R Rieser.....	\$39.16
June 13, 1930—JOAQUIN MILLER Road and Crane Way, Oakland S M Studebaker to J N Bostlich	

and Peters & Booth.....\$329.31
 June 12, 1930—LOT 91, Arbor Villa, Oakland. Jacobs & Pattiani to Elsa E and J W Woods.....\$11.234
 June 10, 1930—LOT 3 BLK H, Claremont Pines, Oakland. Rigney Tile Co to Rose Wagner Croninger, H K Schulz.....\$358.25

BUILDING PERMITS

SAN MATEO COUNTY

GARAGE and apartments, \$12,000; Lot 6 Blk 17 No. 502 Ninth Ave., San Mateo; owner, and contractor, A. Powers, 515 S-Humboldt St., San Mateo.
 COTTAGE, \$1500; Lot 16, El Camino, San Mateo; owner, A. J. Mori; contractor, L. Regner, 65 N-Humboldt St., San Mateo.
 STORE building, frame, \$2500; Por. Lot 146, 805 Highland, El Camino; owner and contractor, J. E. Bale, 805 Highland St., San Mateo.
 RESIDENCE, one-story, \$7000; Lot 8 Shafer St., San Mateo; owner, A. Devoto, Fairfax Manor, San Leandro; contractor, T. J. Broderick, 1528 Cypress St., San Mateo.
 ALTERATIONS and repairs, \$2500; Lot 7 Blk 27, No. 201-203 South Delaware St., San Mateo; owner, and contractor, Amanca Costa, 128 S-Claremont St., San Mateo.
 SCHOOL building, \$25,000; Lots 8, 9 and 10 Blk 41, Cortez St., San Mateo; owner, A. Diosis; contractor, P. J. Monahan, 1329 Vancouver St., San Mateo.

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
 LOT 3 BLK 22, Baywood. All work for two-story and basement frame and stucco residence.
 Owner—Herbert A. Thayer et al, 12 Haywood St., San Mateo.
 Architect—Grimes & Schoening, Balovich Bldg., San Mateo.
 Contractor—Buschke & Johnson, 235 Third Ave., San Mateo.
 Filed June 12, '30. Dated June 2, '30.
 Frame up\$3781.25
 Brown coated 3781.25
 Completed 3781.25
 Usual 35 days.....3781.25
 TOTAL COST, \$15,000.00
 Bonds (2) \$7562.50 each (guaranteed).
 Surety, New York Indemnity Co.
 Limit, Oct. 30, 1930. Forfeit, plans and specifications, none.
 RESIDENCE
 LOTS 26 AND 27 BLK 11, Belmonti. All work for two-story frame residence.
 Owner—Wenzel E. Auger et al, 2340 Le Conte Ave., Berkeley.
 Architect—None.
 Contractor—Meyer Bros., Aragon and Maple Sts., San Mateo.
 Filed June 9, '30. Dated May 31, '30.
 Sheathed\$1395

Brown coated 1295
 Completed 1295
 Usual 35 days.....1295
 TOTAL COST, \$5580
 Bond, none. Limit, 90 working days.
 Forfeit, none. Plans and specifications, none.

COTTAGE

CUESTA LA HONDA', La Honda. All work for cottage.
 Owner—J. R. Alberts.
 Architect—None.
 Contractor—Banks Wrecking Co., 2080 Folsom St., San Francisco.
 Filed.....Dated June —, 1930.
 June 6, 1930.....\$ 25
 June 14, 1930.....175
 Completed.....230
 As per agreement.....Balance
 TOTAL COST, \$319.75
 Bond, limit, forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
June 12, 1930—E ACTON ST. 53.6 S Risel St., Daly City. Victor Holmgren to whom it may concern.....	
June 12, 1930—LOTS 25 AND 26 BLK 1, Brookhaven. E D Ward to whom it may concern June 10, 1930	
June 13, 1930—LOT 76 BLK 6, North Fair Oaks. Vincent C Murphy to whom it may concern.....	
June 13, 1930—LOT 11 and Part Lot 12 Blk 6, Vista Grande. Geo R Hammer to whom it may concern.....June 9, 1930	
June 14, 1930—KING ST., bet. Hopkins and Whipple Sts., Redwood City. Daniel Hagmaier to E A Anderson.....June 12, 1930	
June 14, 1930—LOT 20, 4th Addn to Runnymead. Harold P Pelton to Harold P Pelton.....June 14, 1930	
June 4, 1930—LOTS 22, 23 AND 24 Blk 147, South San Francisco. Peter Pala by Executor to whom it may concern.....May 31, 1930	
June 4, 1930—PART LOTS 4, 5 AND 6 Blk 23, Oak Knoll Manor. Chas C England to whom it may concern.....May 29, 1930	
June 5, 1930—LOT 24, City of San Mateo. Young & Horstmeier to W Freeman Burbank May 28, 1930	
June 5, 1930—LOT 63, Burlingame Gate. Harry E Allen, Inc to D B Gladstone.....May 20, 1930	
June 5, 1930—LOT 19 BLK 24, Crocker Tract, San Mateo. Leo O Kettlewell et al to whom it may concern.....May 5, 1930	
June 5, 1930—LOT 11 BLK 15, Easton. Firman Lafitte et al to Bert Norberg.....June 2, 1930	
June 5, 1930—PART LOT 12 BLK 13, Lomita Park. O H Taylor to whom it may concern (2 completions).....June 4, 1930	
June 5, 1930—SOUTH SAN FRANCISCO. Southern Pacific Co to H W Rohl Co.....May 29, 1930	

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June 6, 1930—SOUTH SAN FRANCISCO. State of California to Chas A Archibald..... June 4, 1930
June 6, 1930—REDWOOD CITY. Pacific Gas & Electric Co to Healy Tibbitts Constr Co..... June 4, 1930

June 7, 1930 — SKYLINE BLVD., Route 55A. State of California to Sibley Grading & Teaming Co..... June 5, 1930

June 7, 1930—LOT 16 VILLA LOTS at Palr Oaks. Alice M Shmons to Geo J Asmusen..... June 5, 1930

June 9, 1930—PART LOTS 62 AND 63, Wellesley Park, San Mateo. Charles F Woodmansee et al to H H MacDonald..... June 7, 1930

June 9, 1930—PART LOT 9 BLK 21, San Carlos. Thomas H Watson to whom it may concern..... June 9, 1930

June 9, 1930—LOT 20 BLK 2, North Palo Alto. George H Chirossi to Charles C Cozapaky..... June 9, 1930

June 9, 1930—LOTS 17 AND 18 BLK 26, Vista Grande. M F Brass to whom it may concern (2 completions)..... June 4, 1930

June 9, 1930—LOT 8 BLK 27, Vista Grande. M F Brass to whom it may concern..... June 4, 1930

June 10, 1930—LOTS 13, 19, 20 AND 21 Blk 2, Aragon. Meyer Bros to whom it may concern..... June 9, 1930

June 10, 1930—PART LOT 146, San Mateo Park, San Mateo. Richard P Minor to whom it may concern..... June 6, 1930

June 10, 1930—LOT 3 BLK E, Hayward Park, San Mateo. Estella A Cranford et al to whom it may concern..... June 7, 1930

June 10, 1930—LOT 1 BLK 2, Duncan Park, San Mateo. Henry J Lehman to whom it may concern..... June 6, 1930

June 11, 1930—LOT 44, Brewer Tet No. 3, San Mateo. Raimund B Wurdlitzer to whom it may concern..... June 3, 1930

June 11, 1930—LOT 2, 3 AND 4 BLK 8, Abby Homestead, San Mateo. J L Vasey et al to whom it may concern..... June 7, 1930

June 11, 1930—LOT 16, Capelluccio Manor, San Mateo. S A Born to S A Born Bldg Co..... June 1, 1930

June 11, 1930—LOT 8 BLK 4, Baywood. Oscar N Newkorn to R C Mitchell..... June 11, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
June 14, 1930—LOT 1 BLK 15 and Lot 1 Blk 14, Hillcrest California Constr Co vs Occidental Realty Co.....\$550

June 14, 1930—LOTS 4 AND 5 BLK 13, Hillcrest. California Constr Co vs Mrs. H W Krause.....\$500

June 5, 1930—LOT 1 AND PART Lot 2, James St. Addn, Redwood Merner Lumber Co, \$146.60; Progress Lumber Co, (2) \$263.20 and \$1618.89 respectively vs Mary R Brown et al.....\$267.50

June 5, 1930—LOT 1 AND PART Lot 2, James St. Addn, Redwood City. A F Dacruet vs Mary R Brown.....\$267.50

June 6, 1930—LOT 1 PART LOT 2 James St. Addn, Redwood City. San Carlos Feed & Fuel Co, \$844.74 Alexander Sheet Metal & Furnace Co, \$176.50; O Harris, \$254.50; E J Cooksey, \$804 vs May R Brown.....\$500

June 7, 1930—LOT 1 AND PART Lot 2, James St. Addn, Redwood City. Palo Alto Lumber Co vs Mary R Brown.....\$500

June 9, 1930—LOTS 8 AND 9 BLK 3, Central Park, San Mateo. Mer-

ner Lumber Co vs Carrie 1 Driver.....\$1525.08

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
June 11, 1930—LOCATION NOT Given. Harry Lee Alais; San Mateo Feed & Fuel Co; Malott & Peterson; San Mateo Planing Mill Co to Robert Fulton Nelson.....

BUILDING CONTRACTS

SANTA CLARA COUNTY

RESIDENCE
E BRYANT ST. 100 S California Ave., Palo Alto. All work for residence and garage.
Owned—Dr. Latham True and/or Edna W. True, 2361 Bryant St., Palo Alto.
Architect—Chas. K. Sumner, 57 Post St., San Francisco.
Contractor—Osborne & Knight, Palo Alto.
Filed June 13, '30. Dated June 13, '30. Frame completed..... $\frac{1}{2}$
Plastering completed.....\$2525
When work completed.....2525
Usual 35 days.....2525
TOTAL COST not to exceed \$10,000
Bond, \$5050. Sureties, James H. Pierce and L. G. Wallace. Limit, 100 working days. Forfeit, none. Plans and specifications filed.

GARAGE
BEG. AT POINT ON N LINE OF Santa Clara St. 107.38 ft. E from E line of Autumn St.; th E along Santa Clara St. 45 ft. by depth of 90 feet., San Jose. All work for one-story reinforced concrete garage.
Owner—California Federal Finance Corporation.
Architect—Herman Krause, 243 N. Ninth St., San Jose.
Contractor—Magna & Newell, 1121 Bank of Italy Bldg., San Jose.

Filed June 14, '30. Dated June 13, '30
On 1st & 15th of each month 75%
Usual 35 days.....25%
TOTAL COST, \$11,090
Bond, \$5545. Surety, 90 working days from June 13, 1930. Forfeit, none. Plans and specifications filed.

RESIDENCE & GARAGE
LOT 14 map of Naglee Park Exten. sion situated on the west side of 15th St. near Margaret St., San Jose; all work on two-story frame residence and garage.
Owner—John H. Drew, 565 Coe Street, San Jose.
Architect—Charles S. McKenzie, 415 Twelfth Bldg., San Jose.

Filed and Dated June 4, 1930.
When frame erected.....\$127.50
1st coat of plaster placed.....2127.50
Frame work completed.....2127.50
Usual 35 days.....2127.50
TOTAL COST, \$851.00

Bond, \$4500. Sureties, G. F. Paull, Harriet Carpenter. Limit, 90 days from June 4, 1930. Plans and Specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
June 3, 1930—W FOURTH ST (No 36) 4 N 4th St, San Jose. Hunt Bros Packing Co whom it may concern.....June 3, 1930
June 4, 1930—LOT 8 Boulevard Tet.

Anabel F Howard to whom it may concern.....June 3, 1930
June 5, 1930—LOT 15 BLK 17, Los Altos No 2. Mary D Knight to whom it may concern.....May 31, 1930
June 5, 1930—LOT 34 Burk Tract, Mountain View, Minnie B Carter to whom it may concern.....June 2, 1930

June 5, 1930—LOTS 5 and 6 part lot 4 blk 113, Crescent Park, Palo Alto. E M Manning to whom it may concern.....May 31, 1930

June 5, 1930—E RACE ST 37 $\frac{1}{2}$ ft. S Alameda, also E Race St 37 $\frac{1}{2}$ ft S Alameda. L C Rosel to whom it may concern.....June 4, 1930

June 6, 1930—LOT 22 BLOCK 124, Crescent Park Sub No 2, Palo Alto. Charles J Bacher to whom it may concern.....June 5, 1930

June 6, 1930—SE FOREST AVE & SW Seneca ST SW 50 x SE 100 ft ptn lot 4 blk 72, Palo Alto. John and Hilma Luukkonen to whom it may concern.....May 24, 1930

June 6, 1930—E EVERETT AVE 75 ft NE Ramona ST NE 37.50 x SE 50 ft part lots 56 and 57 Boyce & Westall's Sub of Blk 14, Palo Alto. Earle M and Nellie L Rankin to whom it may concern.....June 4, 1930

June 6, 1930—LOT 22, Rosedale. H I Mabury to whom it may concern.....June 6, 1930

June 7, 1930—LOT 11, Santa Ana Subdiv. Wm S Peters to whom it may concern.....June 6, 1930

June 7, 1930—LOT 11 BLK 8, Evergreen Park, Palo Alto. Jules Voizin to whom it may concern.....June 6, 1930

June 9, 1930—LOT 23 BLK 2, Restwood Park No 2. Ernest Lorentz to whom it may concern.....June 5, 1930

June 9, 1930—N $\frac{1}{2}$ of LOT 23 and all lot 24 blk 8, San Jose. Hardin Walker to whom it may concern.....June 7, 1930

June 10, 1930—LOT 3 BLK 11, Evergreen Park, Palo Alto. Frieda E Simmen to whom it may concern.....June 1, 1930

June 10, 1930—LOT 5 BLK 1, Los Altos No 1. Virginia M and Chas H Spinks to whom it may concern.....June 5, 1930

June 10, 1930—LOT 2 BLK 8, Los Altos Park. Virginia M Spinks to whom it may concern.....June 5, 1930

June 10, 1930—LOT 15 BLK 1, Willowhurst. W Shunway to whom it may concern.....June 10, 1930

June 11, 1930—PART LOT 5 Wm F Taaffe Subdiv No 1. P and N Borello to whom it may concern.....June 9, 1930

June 11, 1930—LOT 2 BLK 49, Seale Addn No 2, Palo Alto. E H Gibson to whom it may concern.....June 10, 1930

June 11, 1930—LOT 36 and 27 Blk 7, Bartly Tract Sub No 3, Palo Alto. Martha K Dillon to whom it may concern.....June 10, 1930

June 12, 1930—PART LOT 13, Sunnysvale Tract, Sunnysvale. Margaret L Pardee to whom it may concern.....June 9, 1930

June 13, 1930—SW FULTON ST. 50 SE Everett Ave SE 50xSW 100 Ft. Lot 10, J. S. Lakin Sub Blk 48, Palo Alto. Sigrid Stevenson to whom it may concern.....June 11, 1930

June 13, 1930—PTN LOTS 22 & 23 Blk 4, Johnson Addn, Los Gatos. Rosa Falaschi to whom it may concern.....June 7, 1930

June 13, 1930—LOT 21 BLK 6, Seale Addition No 2, Palo Alto. Dorothy E Recht to whom it may concern.....June 6, 1930

June 13, 1930—W 6 FT. LOT 8 and E 33 ft. Lot 4, Hamilton View Park, San Jose. Homer W Sampson to whom it may concern.....June 13, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
June 4, 1930—NW 40 FEET of LOT 8 E R 3 W Mace's SW addn. George M Cahill vs Demetro Scalfani, et al.....	\$125
June 5, 1930—0.37 AC pt LOT 2, Duncan Partition. B H Painter vs Edward S Cooley, et al.....	
June 4, 1930—LOTS 10 and 18 BLK 123, Crescent Park No 2, Palo Alto. Paul M P Merner, \$260.55; Progress Lumber Co, \$152.30; Merner Lumber Co, \$239.82 and \$53.42, vs Howard L and Nora G Gray.....	
June 12, 1930—LOTS 10 and 18 BLK 123, Crescent Park No 2, Palo Alto. Coast Glass Co, \$24.79; Joe Emma, \$43.92; C A Bloomquist, \$33; E L Shiller, \$597.15; L J Lesh, \$21; Anton Andersen, \$619; Palo Alto Hardware Co, \$275.12; Ira T Bridges, \$769, vs Howard L and Nora O Gray.....	
June 17, 1930—SE ¼ of SE ¼ S ¼ of NE ¼ of SE ¼ of Sec 27 S 22. W 4 Anderson vs M Strilman.....	\$309
June 12, 1930—LOTS 10 AND 18 BLK 123, Crescent Park, Palo Alto. Ira T Bridges vs Howard L and Nora O Gray.....	\$769
June 12, 1930—LOTS 10 AND 18 BLK 123, Crescent Park, Palo Alto. Coast Glass Co, \$24.79; Joe Emma, \$43.92; C A Bloomquist, \$33; E L Shiller, \$597.15; L J Lesh, \$21; Anton Andersen, \$619 vs Howard L Gray.....	

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
June 4, 1930—21.50 ACRES ON SE Pacheco Pass Rd and Canada Rd. James S Simpson to Flori Silacci.....	
June 6, 1930—21.50 ACRES ON SE Pacheco Pass Rd and Canada Rd. Hubbard & Carmichael Bros to Flori Silacci.....	
June 1, 1930—21.50 ACRES ON SE Pacheco Pass Rd and Canada Rd. W J Porter to Flori Silacci.....	
June 11, 1930—NW SANTA Clara and San Pedro Sts, San Jose. W H Sullivan, Dwan & Co, Jones Bros Asbestos Supply Co, Lowell Davison, E Anderson, Robert A Roche, J H McCallum, O F Larson and Son, Art Tilk & Mantel Co to The Farmers Union.....	
June 5, 1930—0.37 ACRE PT LOT 2, Duncan Partition. Chas A Merritt & Son to Edward S Cooley et al....	

BUILDING PERMITS

SAN JOSE

BUSINESS building, 1-story concrete, \$6500; Santa Clara and 30th Sts.; owner, J. V. Rose, 1488 E Santa Clara St., San Jose; contractor, G. Veteran, Box 706, Route A, San Jose.	
ALTER class C business bldg., \$6155; NE Fifth and St. James; owner, Letcher Garage, 214 N 1st St, San Jose; contractor, R. O. Summers, 17 N 1st St, San Jose.	
RESIDENCE, six-room frame, \$4,000; Bird near Atlanta; owner and builder, Geo. Luebben, 843 Delmas St., San Jose.	
WAREHOUSE, frame and corr. iron, \$12,500; San Fernando and Bush; owner, Western Pacific R. R., 40 W San Carlos, San Jose; plans by company engineers.	
ADD story to frame residence, \$2400; 1362 Hedding; owner, G. Gardner, 1362 Hedding, San Jose; contractor, B. J. Smith, 1376 Mariposa, San Jose.	
ALTER wood and corr. iron ware-	

house \$1190; 35th and Santa Clara; owner, Peninsula R. R. Co., 215 S Market St., San Jose; contractor, Carl Maurer, 241 Locust, San Jose.	
ALTER frame residence, \$1200; 233 Park Ave.; owner, E. F. Coffee, 239 Park Ave., San Jose; contractor, W. J. Moore, 75 Duane, San Jose.	
ALTER and repair frame residence, \$1900; Warren and Snyder; owner, J. A. Moreno, Warren and Snyder Sts., San Jose; contractor, Ed. Delmaestro, 460 W Julian St., San Jose.	

BUILDING PERMITS

BURLINGAME

BUNGALOW, \$6000; Lot 31 Blk 35, Bernal St., Burlingame; owner, Stanley M Wilson; contractor, Boyd C. Lindsay, 133 Oxford St., San Francisco.	
BUNGALOW, \$6550; D 161 Blk L, Oak Grove Ave., Burlingame; owner, Mrs. Nancy V. Jones, 1245 Oak Grove Ave., Burlingame; contractor, Charles Hammer, 1524 Floribunda Ave., Burlingame.	
BUNGALOW, \$3000; Bayshore Highway, Burlingame; owner, and contractor, Chas. Snaskell.	

BUILDING PERMITS

PALO ALTO

DWELLING, frame and stucco, \$7500; 249 Banta Rita Ave.; owner, C. A. Nansen; contractor, Joe Mesa, 730 College Ave., Palo Alto.	
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BUILDING PERMITS

STOCKTON

RESIDENCE and garage, \$3000; 444 S Tuxedo St.; owner and builder, F. P. Dobson, 444 S Tuxedo Street, Stockton.	
CHURCH, brick, \$13,000; 2737 North Pacific Ave.; owner, Unitarian Church; contractor, Wm. I. Scott, 1661 W Poplar St., Stockton.	
REMODEL hotel, \$1000; 125 E. Weber St.; owner, McDonough Estate, 125 Weber St., Stockton; contractor, C. C. Russell.	
REMODEL dwelling, \$2000; 165 Knowles Way; owner, Mrs. Agnes A. White, 165 Knowles Way, Stockton.	

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Accepted
June 11, 1930—LOT 30 La Salle Heights Unit No. 1. S S Grabstein (agent for Irving Weltman) to Rudolph Johnson.....	June 4, 1930
June 11, 1930—CHENERY RESERVOIR near Clyde, (Government Ranch). Public Works Engineering Corporation (agent for California Water Service Co) to Anchor Post Fence Co of Calif. (fence).....	June 2, 1930
June 12, 1930—LOT 200 Brentwood Irrigated Farms, Balfour Guthrie Invest Co to Victor A Kaufenburg; Victor R Pease; John O'Hea; The Pleasanton Electric Co, (four completions).....	May 3, 1930
June 10, 1930—LOT 59, Unit No 2, La Salle Heights addn. P L Lyhne to whom it may concern.....	June 7, 1930
June 10, 1930—LOT 17 BLK 19, East Richmond Blvd Tract. John B Peppin and Carl Johnson to Selves.....	June 3, 1930
June 10, 1930—LOT 5 BLK B, Berkeley Highlands. Alan R and Marie K Thompson to Alfred J Hopper.....	June 6, 1930

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
June 16, 1930—LOTS 6, 7, 8 and 9 Blk 1, Sub of Blk 1 W, town of Rodeo. Arissa Knapp Co vs M S Serpa and Antonio Silva.....	\$600
June 16, 1930—LOTS 6, 7, 8 and 9 Blk 1, Sub of Blk 1 W, town of Rodeo. Tilden Lumber Co vs John Doe Serpa, et al.....	\$322.45

RELEASE OF LIENS

CONTRA COSTA COUNTY

Recorded	Accepted
June 11, 1930—LOT 39 BLK O, Berkeley Highlan's Addn, Richmond. Ammon A Cook, \$—; Golden Gate Plumbing Shop, \$— to Julia E Bowly.....	

COMPLETION NOTICES

MONTEREY COUNTY

Recorded	Accepted
June 10, 1930—LOTS 18 and 20 BLK 74 map of Carmel. Sundial Court Inc, Mary Hamlin & Allen Knight to whom it may concern.....	June 9, 1930
June 12, 1930—BEGINNING on the Wly line of Main St from which the point of inter of the SW line of Market St with said line of Main St. Manuel Wasserman to A J Yates.....	June 11, 1930
June 12, 1930—A PTN of STABLE Block in First Addn to Pacific Grove. Paul S and Susie Varlen to C J Raymond.....	June 9, 1930
June 11, 1930—W ¼ of LOTS 6 and 7 Blk 177, map of 5th Addn to Pacific Grove. M W and Wanda V Crowley to Newman & Halsted.....	June 10, 1930
June 16, 1930—LOTS 8, 9 and 10, Blk 4, Homestead Addn, Salinas City. Rafael and Gregoria Anguis to Clarence J Fegulia and Grover G Hurt.....	June 13, 1930

LIENS FILED

MONTEREY COUNTY

Recorded	Amount
June 12, 1930—COMMENCING at a point on the Nly line of Lighthouse Ave 55 ft W by from the inter of said Nly line of Lighthouse Ave and the Wly line of Forrest St. Gladding, McBean & Co vs O S Ziegler and T A Work.....	\$415.84
June 11, 1930—PTN LOT 8 BLK 32, Monterey. C A Lewis vs Albert Gatti, Orazio Crivello and Katharine Crivello also known as Caterina Crivello.....	\$342

RELEASE OF LIENS

MONTEREY COUNTY

Recorded	Amount
June 12, 1930—LOTS 14 and 16 Blk 12 and Lots 11, 13 and 15 Blk 13, map of northern half of town of New Monterey. Paul H Coop to Del Mar Canning Co and Bayside Fish Flour Co.....	

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
June 11, 1930—S COUNTY ROAD IN Forestville. Thos Silk to Alfred Carlsen.....	June 10, 1930
June 13, 1930—NW SEBASTOPOL Ave and Olive St., Santa Rosa. L C Olson to Louis Halvorsen.....	June 13, 1930

June 14, 1930—NE SPENCER AVE and King St., Santa Rosa. C W Hansen to whom it may concern
June 14, 1930

LIENS FILED**MARIN COUNTY**

Recorded	Amount
June 10, 1930—SAN RAFAEL. E W Riggs vs Ralph C Brehl and Wife.....	\$64
June 10, 1930—MARINA HIGHLANDS, San Rafael. Weik Bros vs Ralph Brehl.....	\$195

COMPLETION NOTICES**SAN JOAQUIN COUNTY**

Recorded	Accepted
June 11, 1930—LOT 64, Tuxedo Country Club Villas No 1, Stockton. C W and Emma Krah to Geo Rook.....	June 9, 1930
June 14, 1930—LOT 5 AND E 20 whom it may concern. June 13, 1930 Stockton. Arthur Hollenbeck to	

LIENS FILED**SAN JOAQUIN COUNTY**

Recorded	Amount
June 12, 1930—SW ¼ OF SW ¼ of SW ¼ of Sec 6, Township 2, S range 7 East, Stockton. Hayward Lumber & Investment Co vs J H Riddle.....	\$248.58
June 12, 1930—E 10 ACRES OF LOT 4, D. O. Castle Tract, Ptn of SE ¼ Sec 16 Twp 1 S, Range 7, East, Stockton. Hayward Lumber & Investment Co vs A McNeal.....	\$134.40
June 12, 1930—LOTS 32 AND 33, Nile Garden Farms No. 5, Stockton. Hayward Lumber & Investment Co vs Frank Holmgreen.....	\$78.60
June 12, 1930—LOT 16 BLK 6, Park Addition, Stockton. Hayward Lumber & Investment Co vs H S Fox.....	\$48.31

BUILDING PERMITS**SACRAMENTO**

RESIDENCE, 5-room, \$3000; No. 1921 27th St., Sacramento; owner and contractor, Klein Realty Service, Inc., 1009 8th St., Sacramento.

RESIDENCE, 5-room, \$3000; No. 1917 27th St., Sacramento; owner and contractor, Klein Realty Service, Inc., 1009 8th St., Sacramento.

RESIDENCE, 6-room, \$3500; Lot 16 Blk 11 Maple Park; owner, E. C. Snakley, 2676 10th Ave., Sacramento; contractor, Frank Richards, Hagghwood, Sacramento.

RESIDENCE, nine-room, \$10,000; 1129 46th St. N 60 lot 1972 W & K 24; owner, T. Gawne, 1217 47th St., Sacramento; contractor, R. L. Hathaway, 720 Redwood Avenue, Sacramento.

COMPLETION NOTICES**SACRAMENTO COUNTY**

Recorded	Accepted
June 11, 1930—LOT 42 Harding Pl., Sacramento. John Dandretta to whom it may concern.....	June 10, 1930
June 11, 1930—LOTS 7 and 8 BLK 11, Isleton Sub No 1, Sacramento. J F Watson to Self.....	May 29, 1930
June 13, 1930—LOT 8, St Francis Oaks, Sacramento. E C Knechler to whom it may concern.....	June 10, 1930

BUILDING PERMITS**FRESNO**

DWELLING and garage, \$4500; No. 3965 Huntington Blvd., Fresno; owner, Eugene Brinker, 2114 Hammond Ave., Fresno; contractor, R. G. Geach.

ALTERATIONS and additions, \$3000; 3729 Huntington Blvd., Fresno; owner, C. M. McClatchy; contractor, Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.

DWELLING & garage, \$8950; No. 503 Terrace Ave., Fresno; owner and contractor, Taylor & Wheeler, Inc., Power Co. Bldg., Fresno.

DWELLING and garage, \$3000; 1221 N Calaveras St.; owner and builder, T. H. Wilson, 3041 Iowa Ave., Fresno.

SHED, machine, \$3233; Hamilton and Pearl; owner and builder, S. M. R. G.

COMPLETION NOTICES**FRESNO COUNTY**

Recorded	Accepted
June 13, 1930—LOTS 39 AND 40, Maroa Tract, Fresno. C S Calhoun to whom it may concern.....	June 12, 1930
June 14, 1930—LOT 3 BLK 5, Blvd Gardens No. 2, Fresno. Angelina S Larson to A R Eklund.....	June 10, 1930
June 14, 1930—NE ¼ LOT 9, Palm-dale Acre Tract, Fresno. Jas M Kirk et ux to whom it may concern.....	June 10, 1930
June 14, 1930—LOTS 27 AND 28 Blk 8, High Addition, Fresno. Wm Ellis to whom it may concern.....	June 12, 1930
June 10, 1930—LOT 14 BLK 33, Alta Vista Tract, Fresno. R P Moore to whom it may concern.....	June 7, 1930

June 10, 1930—DRAPER & Simpson Sts., Kingsburg. City of Kingsburg to Roy R and Chase Foster.....

June 5, 1930

June 17, 1930—LOTS 5 and 6 BLK 1, New High School Addn, Fresno. Beulah Hammond to whom it may concern.....

June 12, 1930

June 17, 1930—LOTS 17 and 18 BLK 14, Roeding Addn, Fresno. Irving F Priest to whom it may concern.....

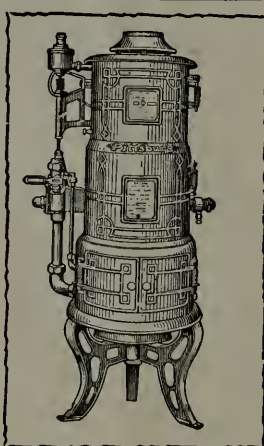
June 14, 1930

LIENS FILED**FRESNO COUNTY**

Recorded	Amount
June 14, 1930—LOTS 39 AND 40 BLK 1, Englewood Addn, Fresno. J Kojigina, \$1500; H M Gashagorzian, \$214; vs Paul C Manooagian	

DIFFICULT FOUNDATION PROBLEMS SOLVED FOR LONDON BUILDING

In placing foundation piers for the new building erected as headquarters for the London Underground Railways at Westminster, it was necessary to use cross-girders, spanning a subway which traverses a portion of the site, says Engineering News-Record. The cross-girders, 4 ft. long with a maximum weight of 82 tons, rested on groups of piles at each side of the railroad. The 39,000-ton weight of the building is carried on 700 vibracore reinforced concrete, cast-in-place piles, 17 in. in diameter. An existing egg-shaped sewer 7 ft. below street level, was isolated with sheet piling before driving of the bearing piles was started. Complaints arising from the noise of the piling hammer were minimized by fitting a specially designed silencer on the winch exhaust, and by using a dolly of rock elm with a steel plate cap to deaden the blow of the pile hammer. These dillies were short lived and somewhat costly, 111 of them being used on the job at a cost of 23 per. foot of piling driven.



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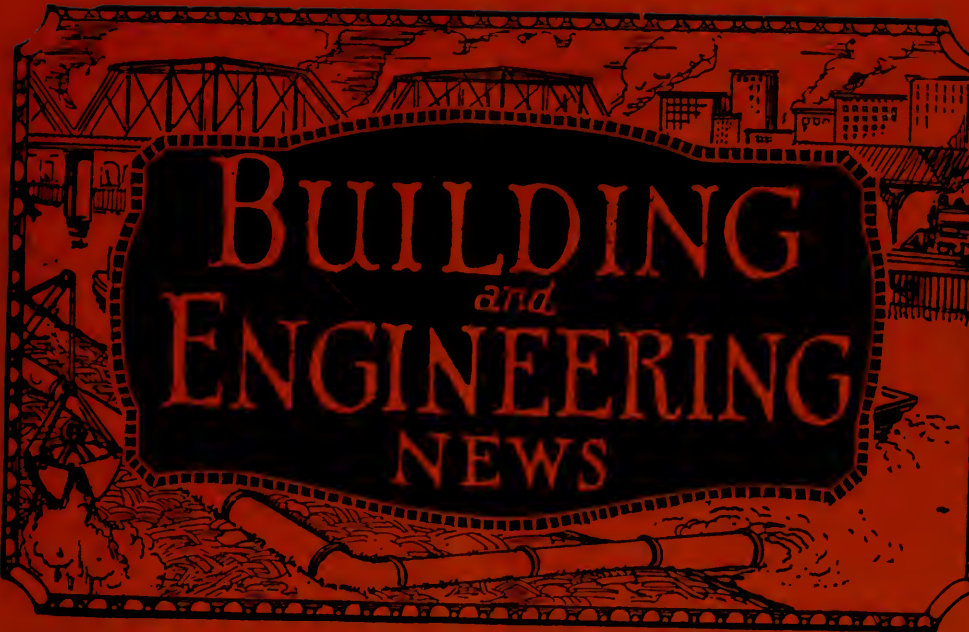
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BUILDING *and* ENGINEERING NEWS

Publication Office
547 Mission Street

SAN FRANCISCO, CALIF., JUNE 28, 1930

Thirtieth Year, No. 26
Published Every Saturday

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday

SAN FRANCISCO, CALIF., JUNE 28, 1930

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Subscription terms, payable in advance:
U. S. and Possessions, per year.....\$5.00
Canadian and Foreign, per year.....6.00
Single Copies.....25c
Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

STARK - RATH PRINTING AND PUBLISHING CO., Publishers
545-547 MISSION ST., SAN FRANCISCO
Phone Garfield 8744-8745-8746
J. P. FARRELL, Editor
J. E. ODGERS, Advertising Manager

All communications for publication should be addressed to the Editor.
Building and Engineering News will be sent to subscribers until ordered stopped and all orders to discontinue must be sent in writing to this office.

TWENTY-FIVE CITIES REPORTING LARGEST VOLUME OF PERMITS FOR MAY, 1930, WITH COMPARISONS*

	May, 1930	May, 1929	May, 1928	April, 1930
1. New York.....	\$ 39,088,327	\$ 42,209,198	\$ 86,925,261	\$ 39,431,448
2. Chicago.....	11,697,300	34,073,900	40,067,300	6,490,300
3. Los Angeles.....	7,141,950	8,535,229	8,941,735	7,026,972
4. Detroit.....	5,024,392	11,209,318	11,405,449	4,556,439
5. Philadelphia.....	4,526,955	8,893,170	13,583,485	10,342,475
6. Cincinnati.....	4,282,320	2,962,800	4,458,060	4,914,689
7. Baltimore.....	3,631,200	2,637,360	3,401,040	5,526,120
8. Milwaukee.....	3,228,529	3,832,254	4,084,925	2,552,620
9. Washington.....	3,032,412	2,021,245	4,296,185	4,778,720
10. San Francisco.....	2,881,110	4,307,352	2,635,116	1,356,653
11. Seattle.....	2,777,520	2,447,995	2,595,630	2,112,920
12. Boston.....	2,463,277	8,097,602	4,704,707	1,672,627
13. Pittsburgh.....	2,366,462	4,884,327	2,559,717	1,330,201
14. Oklahoma City.....	2,347,841	2,647,335	2,330,479	1,848,213
15. Providence.....	2,293,670	2,132,800	1,910,150	817,570
16. Louisville.....	2,270,800	1,263,045	1,436,245	742,730
17. Cleveland.....	2,211,550	2,970,150	4,424,325	2,868,975
18. St. Louis.....	2,201,586	2,436,097	3,425,878	2,577,845
19. Kansas City.....	2,026,250	1,653,400	2,241,800	1,048,450
20. Jersey City.....	1,888,314	1,454,415	971,902	2,718,041
21. St. Paul.....	1,784,072	699,810	1,080,594	817,122
22. Akron.....	1,728,366	2,775,412	1,811,727	634,152
23. Nashville.....	1,652,018	1,224,983	572,985	471,703
24. Minneapolis.....	1,395,125	1,885,235	2,117,275	1,247,495
25. Battle Creek.....	1,366,675	563,975	105,075	287,355
	\$115,288,321	\$158,838,507	\$212,087,045	\$108,172,835

* Compiled by S. W. Straus & Co.

R. C. PHILLIPS SEEKS COUNTY SURVEYOR POST AT FRESNO

Seeking to oust Chris. P. Jensen, Fresno county surveyor, because of his determined stand against the use of any patented type of paving on the roads of Fresno County, J. T. Degnan, representative of the Permanite Company, a patented paving concern, filed the nominating petition of Roswell C. Phillips, Sanger surveyor. Phillips is seeking election to the office now occupied by Jensen.

Degnan was one of the two verification deputies who circulated Phillips' petition. The other deputy was James Burns, Fresno attorney.

Degnan admitted to County Clerk D. M. Barnwell and Deputy County Clerk T. E. Prior, in charge of registrations, that he and his company were opposing Jensen because of his stand on patented paving.

"We want a toe hold in Fresno County," Barnwell and Prior said Degnan told them. "We are going to get into this county and get business. If we can't do it one way we will another."

Jensen vigorously opposed efforts of Degnan to have Permanite used on county roads. He publicly informed Degnan that "so long as I have anything to say about Fresno County roads there will be no Permanite or any other type of patented paving used on them. We have a paving of our own which is just as good or superior to any of the patented types, and Fresno County refuses to pay royalty on any paving."

Several years ago Fresno County laid a type of paving perfected by

Jensen, and called Jensenite. It approximated a type patented by Warren Brothers, and the latter endeavored to force the county to pay royalties. Extended litigation resulted with Jensen contending that his perfected paving was no infringement on the Warren patent. The county was successful in its legal battle.

The Permanite Company was successful in recently having the supervisors vote to use their paving in the city of Riverdale, which had petitioned for its use in a road improvement district.

PUBLIC CONSTRUCTION REPORT IS DUE

According to a recent announcement by Edward Eyre Hunt, secretary of President Hoover's conference on unemployment, a complete report on the public construction situation in this country is expected soon. The report will set forth the results of a survey which has been in process since July, 1929. Both the analytical report and the interpretative statement of the committee will emphasize the importance of speeding construction programs as a means of offsetting general business depressions and the spread of unemployment.

The National Bureau of Economic Research conducted the survey on which the report is based. The Bureau was assisted by the United States Chamber of Commerce. The forthcoming report was compiled by Dr. Leo Wolman and will contain a large fund of statistical information dealing particularly with the period since 1921. It will show in detail the volume of expenditure on public improvements, programs for the future, important

administrative features involved in the execution of public construction work and an examination of the theory and practice of prepared programs of control and the prevailing methods of planning and procedure.

Estimates of total expenditures set forth in the report are based on the statistics of contracts awarded and not on the financial reports of public agencies. These estimates of expenditures will be supplemented by detailed descriptions of the activities of typical state and municipal governments, of the federal government and of the bureaus of public highways.

SAN JOSE MAYOR FIGHTS HIGH PAVING COSTS

Unless paving prices are "sliced to the bone" there will be no more paving in San Jose.

This threat, voiced by Acting Mayor A. M. Meyers, came at the conclusion of a hectic council meeting at which paving contractors were scored for excessive costs in San Jose.

Several small paving jobs, now pending, were tabled, pending investigation of prices by the city council.

"We've been severely criticized by the public," Meyers said, "for the high cost of paving, whereas the fault lies with the paving contractors."

Meyers said he could see no reason why San Jose should pay more for paving than other cities of the same class.

Tom Clark of the Raichs Paving Company and Dan Morrison, representing the Prentiss Company, replied to criticism of the acting mayor by declaring that excessive costs are due to the fact that the companies are required to "sell the work" to the public after winning the bid from the city council.

Books of both companies are open for inspection, the two declared.

Meyers advocated "no more paving" until prices are lowered.

SUIT OF 17 YEARS STANDING COMES TO TRIAL

After 17 years of court delays thru legal maneuvers, technicalities, appeals, Supreme court reversals and changes of venues, the contract suit of the Bedford Stone and Construction Company against the Washington Hotel Realty Company, owners of the Washington Hotel in Indianapolis, will come to trial shortly in superior court in Indianapolis. A special venire of 60 jurors has been called to try the case.

The suit, filed in 1913, asks judgment of \$70,000 from the realty company, alleged to be due as part of the money the company was to have received as contractors for the construction of the Washington Hotel. The original judgment, plus interest, will bring the amount asked to nearly \$125,000.

WAIVER, RELEASE AND FORFEITURE OF LIEN

(By Harry C. Westover, Attorney-at-Law)

This is the last of a series of articles which have appeared in this paper, written by Harry C. Westover, attorney-at-law.—Editor.

After a claimant has filed a lien he has ninety days in which to start foreclosure proceedings on the lien, and if such proceedings are not started in the appropriate court within the ninety day period the lien automatically becomes outlawed.

After a lien has been filed it may be released, waived or forfeited. A lien is forfeited by failure to commence the proper foreclosure proceedings. A lien claimant at any time except where the lien has been assigned and then the assignee can release or waive the claim of lien. A claim of lien may be assigned, but inasmuch as the lien is a matter of public record, waiver or assignment must be made in writing and in the same manner as the claim was filed. If the claim is released the release must be in writing, signed by the claimant or his assignee, verified and filed for record.

Some time it is desirable for lien claimants to take additional security for their claim. A material man does not lose his lien by taking additional security from the contractor, if the security is taken as collateral only and not with the purpose of releasing the lien. However, if a claimant takes from the owner or contractor security in place of the lien he loses the lien. If a claimant takes any additional security he should be very careful to see to it that there is some memorandum in writing showing that the security is taken as collateral security and not for the purpose of releasing or satisfying the lien. If one takes a note from the contractor or owner for the amount of his lien the presumption will be that the note is given in payment of the lien unless there is evidence showing that the note was given as collateral security only.

Any number of persons claiming liens may join in the same action and where separate actions are commenced the court may consolidate them for the purpose of trial. Every claimant must file his own lien. However, if a lien has been filed the lien may be assigned. The right to file a lien cannot be assigned but the lien itself can be assigned. In the event suit is brought on a number of liens, all liens may be assigned to one party for the purpose of suit or all parties may join as party plaintiffs. Regardless of whether the action is commenced by all claimants or whether various actions are consolidated for the purpose

of trial all interested parties become parties in the suit against each other as well as against the owner, and each is entitled to reduce or void the lien of the other claimants and if the fund should turn out to be insufficient to meet all claims each party occupies a position adverse to all others.

Interest is allowed in actions to foreclose mechanics liens where any is payable under a contract. Interest may be allowed from the day of payment up to the day of entering judgment, but if the contract provides no time of payment such interest runs from the time of the filing of the complaint of foreclosure.

The Court must allow as part of the costs, the money paid or verifying and recording the lien, also all costs incurred in the filing of the complaint, service of summons and other court costs.

There is no mode of enforcing a judgment foreclosing a mechanics lien other than by a sale of the property and docketing a deficiency judgment against the one personally liable, and no execution therefrom may issue unless by direction of the court upon a showing that the property upon which the lien was adjudged is no longer available. A personal judgment can be rendered against the one ordering the work done or the materials to be furnished but no personal judgment can be rendered against the owner of the property, unless the owner personally orders the work done or personally orders the materials. As far as the owner is concerned, unless the owner is also the contractor, the property is responsible for the claims of lien and if the property cannot satisfy the claims then there is no personal responsibility.

Lien claimants may take any action they see fit to protect their rights. Section 1197 of the California Code of Procedure provides "Nothing contained in this chapter shall be construed to impair or effect the right of any person to whom any debt may be due for work done or materials furnished to maintain a personal action to recover said debt against the person liable therefor and persons bringing such personal action may take out an attachment therefore notwithstanding his lien."

Up until the last session of the legislature it was impossible to obtain a writ of attachment in a mechanics lien case. However, at the last session of the legislature the law was amended so that now it is possible to have issued a writ of attachment in the case filed for the foreclosure of the lien.

COMMITTEE ON AIRPORT DRAINAGE AND SURFACING ORGANIZED

The technical resources of the American Engineering Council, the American Road Builders Association and the Aeronautics Branch of the Department of Commerce, insofar as they relate to airport engineering and construction, have joined into one group to undertake the solution of the problems involved in one of the most urgent needs of airport development and air transportation—a adequate drainage and surfacing for airports.

The absence of uniform and thorough applications of adequate drainage and surfacing for airports has been responsible for accidents to planes in landing and taking off from airports and landing fields; for delays and in-

terruptions in departures and arrivals of aircraft and has involved the wastage of thousands of dollars in time and money in connection with airport or landing field projects.

The three organizations have designated representatives to serve on a committee organized by Clarence M. Young, Assistant Secretary of Commerce for Aeronautics, and known as the "Committee on Airport Drainage and Surfacing," which will undertake, at once, a comprehensive and thorough study of the problems involved; collect and correlate available information and experience and present its findings and recommendations in a report that will serve as a working-

tool in the hands of engineers engaged in the development of air terminals, and also will meet the constantly increasing demand for information on this subject. The committee is under the chairmanship of Harry H. Blee, Director of Aeronautics Development, Department of Commerce.

"As a result of the strides that are being made in the advancement of air transportation," said a statement issued today by the three organizations, "progressive cities throughout the United States are realizing that they must provide themselves with adequate air terminal facilities if they are to have a place in this new transportation system that is rapidly extending throughout the country and reaching out to the other countries of the world. At present, there are almost 1,600 airports and landing fields in various stages of completion and some 1,380 airports are proposed for early development.

"With the advent of larger and larger transport planes and with the imperative need for reliability and continuity of operations coupled with the maximum degree of safety, the importance of suitable drainage and surfacing for airports cannot be emphasized too strongly. This phase of airport development presents a number of interesting problems, the solution of which depends upon many variable factors difficult to solve under conditions encountered in various parts of the country. In addition to calling for the application of the established principles of highway and drainage engineering, the solution of these problems involves a number of considerations more or less peculiar to aircraft operation."

From the engineering viewpoint alone, the committee represents thousands of experts on drainage and surfacing and years of experience in this particular type of work.

The American Engineering Council represents 24 member organizations, and the membership of the latter is placed at 57,600 professional engineers. The object of the Council is to further the public welfare wherever technical and engineering knowledge are involved and to consider and act upon matters of common concern to the engineering and allied technical professions. In keeping with this object, the Council has given a large measure of special attention to the engineering activities of the Federal Government and has been engaged in close cooperation with such departments as War, Interior, Treasury, Agriculture, Commerce and Labor and also with the Congress of the United States.

The American Road Builders' Association for scientific and technical purposes, has pioneered in the development of good roads for 25 years. Strictly non-commercial in character, it includes every interest identified with road and street construction in this country and abroad and is recognized as an authority on highway matters. Every section of the United States and every phase of the road building industry is represented on the association roster. Since many of the problems in the field of airport drainage and surfacing are practically the same as those which have been handled successfully by highway engineers and officials, the Association offers the benefit of this experience to aeronautics.

The Aeronautics Branch of the Department of Commerce has been closely identified with the development of airports since its organization under the Air Commerce Act of 1926. In addition to its activities of fostering and encouraging the establishment and development of airports throughout the United States, it has been carrying on extensive studies of the various problems encountered in their design, construction and operation.

ZONING AGAINST RESTAURANT IN RESIDENCE FOR PUPILS OF SCHOOL HELD VALID BY COURT

A zoning ordinance construed to prohibit the use of a basement in a dwelling in a residential district across the street from a junior high school as a restaurant for the school children is a valid under the police power, according to a decision of the Nebraska supreme court, printed in the U. S. Daily.

The city brought an action to enjoin the owners of the dwelling from using the basement of the building for such purpose. The building had been constructed for residential purposes and was used mainly as a residence, and the owners claimed that the operation of the restaurant in the basement did not constitute a violation of the ordinance, that the ordinance if it prohibited the use of the basement for such was void, and that the city had no standing in a court of equity by reason of its operation of a cafeteria in the school building.

The lower court granted the injunction, and the supreme court affirmed its judgment, holding that the city was not precluded for want of equity, from seeking an injunction; that the defendants by operation of such restaurant were violating the ordinance, and that the ordinance, construed to prohibit the use of the basement for such purpose in the residential district, was valid.

The case was styled City of Lincoln vs. Ferdinand J. Foss et al, Nebraska supreme court, No. 21196.

"The city has a real interest in the enforcement of all proper ordinances regulating building and zoning of property within the corporate limits," the court says in its opinion. "We see no good reason why it may not act to further the interests of any citizen or legal entity whose interests coincide so vitally with its own. If, on the other hand, the board of education is violating the zoning ordinance by maintaining a cafeteria within an area restricted against such an activity, the city could not join it with the appellants.

"Moreover, the ordinance does not prohibit schools within a residence district. The school property was purchased by the board of education years before appellants purchased theirs and

six years before the property was zoned. There may be presented good reason and authority for saying that among the progressive things of this age the serving of lunches to pupils by the school authorities is a proper function of a board of education. It affords proper food and time to eat it to those pupils whose homes are too remote to allow them to go there for the usual midday meal. It fits into the subject of education on the line of home economics. It assists the spirit of social democracy in a way that was unknown a generation ago. We have always had in our public schools, to a greater or less extent, the democracy of study and of play. Now we have the democracy that comes from the meeting of pupils of all classes at the lunch table.

"We do not undertake to decide a case in which a party is not before the court. While we do not decide the ultimate merits of any future controversy between the city and board of education over the right to operate a cafeteria in a public school, yet it is proper here, in view of the issues raised by the appellants, to refer briefly to the law in other jurisdictions. In Harvard College v. Cambridge, 175 Mass. 145, it was held that the use of real estate owned and furnished rent free by the college for the use of students who club together for the purpose of obtaining, with the assistance of the college, food at cost does not subject the real estate to taxes when the revenue laws exempt property used for college purposes.

"In Chicago v. University of Chicago, 28 Ill. 605, it was held that dormitories, dining halls and clubhouses located upon a college campus, used for conducting the educational work of the university, and not for gain, are well within the meaning of an ordinance remitting water rates to all buildings used for educational purposes. In a case relating to a zoning ordinance, Western Theological Seminary v. Evanston, 325 Ill. 511, it was held that a provision allowing schools and colleges to be erected in a residence district permitted the erection of dormitories where students would use a students' common or dining-room."

often untair methods used by overzealous inventors to get their products on the market. Using structural welding as an example of new methods, he urged that its promoters move slowly in requesting approval of the method and advanced the opinion that the public will eventually get the benefit of welded structures.

"It is the obligation of building officials," said Miller, "to acquaint the public with the formulation of a new regulation or the investigation of a new product or design. An open hearing should be held and when approval is obtained publication should be made of the results and the conditions of use." He stated that the building laws are never complete, but details should be avoided lest the code become an encyclopedia that would never be read. The building official should be the judge in fixing working stresses for ordinary materials, allowances for higher stresses should be given when justified and satisfactory evidence is given to justify them.

FORESTERS ADVOCATE TESTING OF TROPICAL AMERICAN WOODS

"Wood and other forest products are important objects of international trade; supplies and the demand are not limited by international boundaries," declares Major R. Y. Stuart, chief of the Forest Service, United States Department of Agriculture, in a statement dealing with the importance of adequate forest surveys.

Forest surveys are essential, Major Stuart says, to determine the present and potential supplies of timber and other forest products as a basis for meeting needs in the wood-using industries. What is true of the United States in this regard, he adds, is true also of the other American countries "which must know the facts regarding their own resources and requirements in order to develop a constructive, long-term policy of forestry and land utilization."

The importance and value of such forest research will be emphasized at the first Inter-American Conference on Agriculture, Forestry and Animal Industry which will meet in Washington next September and at which Major Stuart will present a detailed report on fact-finding activities in forestry.

Arthur Koehler, in charge of silviculture relations at the Forest Products Laboratory, Madison, Wisconsin, will give a report on tropical woods at the conference.

"Within the next twenty years," Mr. Koehler says, "the markets of the United States undoubtedly will open to foreign woods on a greatly increasing scale, and especially to high-grade hardwoods such as are rapidly becoming scarce in this country. Timbers of the American tropics because of their abundance, variety and relative nearness offer a logical supply for this potential market. Little is known, however, about the characteristics of even the more abundant tropical American species. Before they can be marketed on a large scale, both the manufacturer and the consumer will have to be convinced that they will give satisfactory service."

The best method by which to determine the value of new woods, Mr. Koehler says, is through laboratory tests which will develop exact information as to their various properties. Some work has been done in this direction, but Mr. Koehler calls attention to ways in which the Latin American countries interested can cooperate by encouraging standard testing of their woods with a view to finding suitable uses for them in American industries. Cooperation in research is needed, he points out, to open up these new sources of supply for the American markets.

ENGINEER STRESSES IMPORTANCE OF ECONOMY IN BUILDING INDUSTRY

Speaking before the Credit Association of the Building Trades of New York, Rudolph P. Miller, former superintendent of building in that city, stressed the importance of effecting greater economy in the industry. The reduction of building costs was the theme of his talk. He pointed out that the cost of building has risen steadily during the past 12 years. He stated that there appeared to be little hope of a reduction in labor costs, and no hope of relief from money lenders who, he claimed, obtain more than their legal six per cent by collecting bonuses, fees and other expenses. There is also a small hope of property owners reducing the cost of land.

"The only hope," he said, "seems to lie in cheapening the materials which go into construction . . . and in improvements in the methods of construction."

Miller pointed out the many obstacles in the way of introducing new materials. These included the natural resistance to anything new and the

ESTIMATED NUMBER OF CONTRACTORS

Approximately 175,000 report-blanks already have been distributed in the Census of Construction canvass and Dr. Alanson D. Morehouse, Chief of the Construction Section, Distribution Division, Bureau of the Census, is of the opinion that the number of contractors and builders who did at least \$25,000 worth of construction work last year will range from 75,000 to 100,000.

Undoubtedly questionnaires were sent to contractors who did not do that much business last year, and many contractors were missed, but all those errors will be eliminated by the personal canvass now under way. The Construction Census canvass was conducted entirely by mail until recently, when, in all cities of more than 10,000 population, it was turned over to the supervisors and enumerators for completion through personal visits. Both general and subcontracting work are included in the census.

THE OBSERVER

What He Hears and Sees on His Rounds

Closer co-operation with the building industry was a feature at the 63rd convention of the American Institute of Architects in Washington May 21-24. Better building codes, safety in construction, buildings more applicable to conditions, and the development of new materials were included in the program. Progress was reported in plans toward the preservation of national monuments and historic spots.

That construction accidents are increasing rather than declining under modern methods was brought out by one report. Speed in demolition and erection with resultant carelessness was cited as the proximate cause. This is due, the report stated, both to economic pressure necessitating quick completion, especially of larger buildings, and to the propensity of foremen and superintendents to push the work to make a satisfactory personal showing. A case was cited where 54 accidents occurred in the demolition of a large New York building. Injuries caused by falling objects are largely preventable, the report declared. Corporations are creating a stimulus toward more rigid safety codes such as are being developed by the National Safety Council and by the A.I.A.

At the jointly held meeting of the producers' Council, representing 60 building-materials groups, convening for the seventh year, the development of new materials better suited to use in modern architecture, together with the future application in design of such materials, formed a major topic of discussion. Several new sets of building codes were submitted. These were drawn with the hope that as some 25 cities are now revising their codes some of the plans suggested might be suitable to form an integral part of such systems in accordance with the plans of the A.I.A. to push unified building regulations throughout the country. No definite approval of the codes so far formulated was made at this time.

Although lumber shipments continued relatively high, orders for both hardwood and softwood lumber averaged only 82 per cent of production for the work ended June 14, it appears from reports of 891 leading mills to the National Lumber Manufacturers' Association. Shipments of these mills averaged 93 per cent of production, which totaled 336,257,000 feet. A week earlier 908 mills gave shipments 87 per cent and orders 84 per cent of a total production of 356,658,000 feet. While the relation between shipments and orders has varied considerably from week to week, shipments have maintained a relative advantage for many weeks passed. Unfilled softwood orders at 504 mills on June 14 were the equivalent of 17 days' production, the same equivalent reported a week earlier by 521 mills. As compared with last year, 478 identical softwood mills gave production 21 per cent less, shipments 22 per cent less, and orders 29 per cent less than for the same week in 1929; for hardwoods, 203 identical mills reported production 12 per cent less, shipments 42 per cent less, and orders 48 per cent under the volume for the same week a year ago.

Under the caption "An Engineer's Public Service," Engineering News-Record of New York, says:

"The quality of our municipal governments depends upon the collective efforts of the individual. It is good or poor depending upon whether the majority of those who direct its affairs are well trained or are uneducated in such matters.

"Civil engineers by their training are peculiarly fitted to advise cities upon many municipal matters and to take part in the direction of city affairs. But few of them do. Too many sit by and decry the fact that their qualifications in that respect are unappreciated. In this the fault lies with them rather than with the public; if they are to be appreciated they must take the initiative and so let the public know what they can do.

"The late Louis R. Ash was a splendid example of how effective engineers can become in municipal affairs if they make it their business to take more than a passive interest in civil problems. Of him the Kansas City Star said at the time of his death:

"Louis R. Ash was a type of citizen that every city needs. His profession of engineering may have had something to do with his high regard for system, efficiency and order and with his intolerance toward things haphazard, including city government. He was assertively public-spirited. He recognized the obstructive effect of pernicious partisanship in city affairs. He helped to procure the adoption of the new charter after he had helped to frame it.

"Every genuine movement for municipal progress had his support. Some have been successful and some have failed, but Mr. Ash never lost his zeal for better standards of government. In his death the city loses an individual factor in courageous civic effort. Even those who disagreed with him or lacked his faith in ultimate accomplishment acknowledged his sincerity and respected his motives."

"This country needs more such engineers. They may not be right at all times; they are sure to be misunderstood and abused frequently; but in the long run they will make an impression that will be felt and will be appreciated as Mr. Ash's service to Kansas City is appreciated.

A pronounced drop in the general level of wholesale prices from April to May is shown by information collected in leading markets of the country by the Bureau of Labor Statistics of the United States Department of Labor. The bureau's weighted index number, based on average prices in 1926 as 100.0 stands at 89.1 for May compared with 90.7 for April, a decrease of 1 3/4 per cent. Compared with May, 1929, with an index number of 95.8, a decrease of 7 per cent is shown. Based on these figures the purchasing power of the 1926 dollar was \$1.04 in May, 1929, and \$1.122 in May, 1930. Building materials also averaged lower than in April, lumber, brick, paint materials, and others sharing in the price decline.

Highway construction throughout the country has been speeded up fully 100 per cent as compared with the first three months of 1929. Contracts awarded for the first three months of 1930, in 35 states amounted to \$114,101,383 as compared to \$50-, \$10,133 for the same period in 1929 a net increase of more than 124 per cent.

The Libby-Owens Glass Co., through its Los Angeles district manager, J. F. Gehring, twelfth floor, Architects' Bldg., announces the amalgamation of that company with the Ford Plate Glass Company of Toledo, O. The new firm will be known as the Libby-Owens Ford Glass Co. and will continue the manufacture of flat drawn sheet glass as well as the added line of plate and non-shatterable glass. General offices of the firm will remain in Toledo.

Because of lack of jurisdiction the Federal Trade Commission has dismissed its complaint charging the Portland Cement Association, its board of directors, officers and members with practicing unfair methods of competition. It had been charged that the association, composed of close to 100 manufacturers who make and sell about ninety-five per cent of the cement produced in this country, circulated statements disparaging to the Vibrolithic method of road construction.

Only when called upon in a specific instance will the newly created Board of Examiners and Appeals, provided for in the Uniform Building Code as adopted recently by Long Beach, function to interpret the code or to consider the inclusion of material in authorized construction that is not specifically provided for by the code. This announcement was made by R. D. Van Alstine, former city engineer, now in private practice as a consulting engineer, who, at an organization meeting of the board was named chairman.

A new research in the field of acoustics is about to be undertaken by Dr. Vern O. Knudsen, Associate Professor of Physics at the University of California at Los Angeles, it has just become known following the granting to him by the Regents of a leave of absence for the fall semester this year. He will undertake a study of the acoustical requirements of concert halls and auditoriums, and will depart from Los Angeles on June 21, the day following commencement, for Europe where he will conduct the first part of his research.

Dr. Knudsen, already known as one of the leading American authorities upon acoustics, has just completed a research on the hearing of speech in auditoriums. This study has required several years and his findings have been published in scientific magazines in this country and abroad.

While in Europe Dr. Knudsen will attend the twelfth annual meeting of the International Congress of Architects, which meets in Budapest. He will read a paper before the congress upon the subject of "Architectural Acoustics." The congress meets for a week beginning September 7.

While abroad he will visit the famous, outstanding concert halls and opera houses in Vienna, Budapest, Berlin, Paris and London and other centers seeking the facts in connection with their acoustical accomplishments. He will be gone from Los Angeles for about five months.

HERE — THERE — EVERYWHERE

National Association of Paris Transit Mixed Concrete Manufacturers was formed at a convention held recently in Chicago, Ill. Officers elected at that time include: President, Porter W. Yett, of Swigert, Hart & Yett, Portland, Ore.; secretary, Chas. P. Maloney, Maloney Paving Co., Washington, D. C.; treasurer, Bruner R. Penniman, Penniman Gravel & Materials Co., Dallas, Tex. Executive offices have been established in Portland, Oregon.

Annual convention of the American Water Works Association, California Section, will be held at Pasadena, October 29 to November 1, inclusive. Papers will be read by William Mulholland, Chester A. Smith, Ira F. Van Gieson, F. W. Hanna, F. M. Foudy, Ray F. Goudey, W. G. Irving, E. T. Vail, Fred Randlett, F. D. Weymouth, and others.

Suit for more than \$100,000 was brought by the Atlas Rock Company of Stockton in the Superior Court against the Bay Counties District Council of Carpenters. The plaintiff charges the defendant with breach of contract dated July 7, 1926, for the purchase of sand, gravel and rock to be paid for in instalments. Amounts sought are \$74,284 for manufacture and storage, \$30,000 general damages, and \$11,566 for securing the contract.

By a unanimous decision the New York Court of Appeals has decided that plans for multiple dwellings in New York City must be filed by the owner in person or by a registered architect. The case was brought to the highest court on appeal by Oscar Goldschlag, who attacked the validity of section 300 of the multiple-dwelling act. Goldschlag, for sixteen years a professional engineer in New York, claimed that rejection of plans filed by him with the tenement house commissioner constituted an invasion of his constitutional rights. Without opinion, the court rejected the contention.

L. H. Weir of New York, national field representative of the Playground and Recreational Association of America, predicts that America will eventually have a four-day week and a six-hour working day. In the days when Greece was at its height of power, the nobility had an average of three servants," says Weir. "Today we have machines equivalent to five slaves for every man, woman, and child in the United States. With the extra time these 'mechanical slaves' allow us we will be able to turn toward music, recreation and art as part of our everyday life in the future."

Ferrous Magnetic Corp., New York City, has been formed to act as an independent organization for research in the iron and steel industry. It will conduct research on its own account and will also co-operate with existing firms in designing, building and leasing production magnetic equipment for inspection purposes.

Chicago Pneumatic Tool Co., New York City, has elected W. L. Lewis vice-president, secretary and treasurer, succeeding J. G. Grimshaw, resigned. Mr. Lewis was formerly assistant comptroller for the Bethlehem Steel Corp.

TRADE NOTES

Square D Co., Detroit, Mich., and Diamond Electrical Manufacturing Co., Los Angeles, have merged their interests. Hereafter the Diamond company will operate as a subsidiary of Square D. Sales in the West will be handled by the Diamond organization, while those in the East will be taken care of through the office of the Square D Co.

Davis Emergency Equipment Company, Ltd., with headquarters at New York City, manufacturer of emergency equipment, has established Western headquarters in San Francisco at 1268 Mission St., where one floor is occupied. A complete stock of safety equipment is carried and the eleven Western states will be served from this new branch. The concern was formerly represented here by the Bullard-Davis Company of California, and products of the company have a nationwide distribution. Herbert Brendlen, vice president, will be in charge of the Western headquarters.

GYPSON INTERESTS ORGANIZE FOR PROMOTIONAL WORK

The Gypsum Association recently organized an association of gypsum manufacturers, numbering among its membership the principal gypsum producers in the United States and announces the opening of its offices at 221 West Wacker Drive, Chicago.

The activities of the Association will be largely promotional work with architects, engineers and builders on the uses of the various gypsum products entering into the building construction.

An Engineering Department will be maintained that will co-operate with building commissioners in the preparation of building codes.

Henry J. Schwein, Development Engineer of the United States Gypsum Company has been appointed Acting-Secretary and Chief Engineer, and W. J. Fitzgerald, Traffic Manager of the former Gypsum Institute, will serve in the same capacity in the new organization.

PAVING OF ROADS PROCEEDING FASTER

Building of paved roads is proceeding faster than ever before, W. M. Kinney, general manager of Portland Cement Assn., Chicago, declared recently.

Insofar as hard surfacing is concerned, 1930 is likely to set a new world's record in road building, Mr. Kinney asserts. In 1928, when a high record was established, awards for the construction of 64,289,500 square yards of concrete were made during the first five months. This is the equivalent of 6088 miles of 18-foot pavement. Awards so far this year are the equivalent of 6123 miles.

Mr. Kinney stated that although fewer streets and alleys are being paved as yet, the contracts awarded for concrete rural roads have been great enough to bring the total awards for all concrete pavement to more than 64,666,000 square yards for the first five months of the year. This is a gain of one-eighth over the same period in 1929.

ALONG THE LINE

Architect W. W. Hastings announces the removal of his offices from the Tyler Bldg., Monterey, to the Pryor Bldg., Monterey.

The third annual convention of the California Sewage Works Association will be held at Long Beach in conjunction with the meeting of the League of California Municipalities, scheduled for October 6 to 11 inclusive.

Chad F. Calhoun, formerly engineer for Fisher-Ross-MacDonald & Kahn, Inc., contractor for the San Gabriel dam, Los Angeles County, has been made general manager and chief engineer of that firm.

William J. Dodd, well-known Los Angeles architect and member of the firm of Dodd & Richards, died June 14 at a hospital in Los Angeles. Mr. Dodd and his wife were making a tour of Europe when he became ill and decided to return home, arriving in Los Angeles about three weeks ago.

OPPORTUNITY TO MAKE RECORD IN ROAD BUILDING NOW AT HAND

"Estimates tabulated to date show that if present plans are carried out expenditures totaling in excess of \$1,700,000,000 will be made for roads during 1930, and if city street work is included, \$7,500,000,000 will be spent," says the Highway Magazine. "This represents an increase of 25 per cent over 1929, the previous record road-building year."

"The natural question in the minds of the taxpayer and public official alike is: How can so greatly an increased expenditure be made safely and without waste within a single year. There are definite limitations on what can be accomplished in any one year, chief among which is a construction season noted for its non-elasticality."

"Since 1918 when our era of mass production of roads began the road-building industry has been increasing its output year by year and for several years it has been producing virtually at capacity. On top of this the industry is now pledged to increase its past record by a substantial margin. How can it be done?"

"In 1930 the road-building industry has an opportunity to establish a production record that will stand for years, perhaps for all time. The record will not be achieved unless the road builder possesses all the elements that make for personal efficiency—desire to improve, self-discipline, the will to do, freedom from obsolete tradition."

REPORTS SHOW UPWARD TREND

Building projects at a cost of over \$10,300,660 were progressing in San Francisco during May. Plans also were being prepared for many large buildings. These included at \$2,000,000 hotel, a \$2,650,000 terminal building at the waterfront, a \$2,000,000 club building, a \$2,000,000 war memorial and a \$1,500,000 opera house.

Substantial building programs were progressing in the East Bay district. Abundant crops throughout the interior valleys were beginning to call for man power in harvesting.

TRADE LITERATURE

"Successful Canadian Pumping Stations" are illustrated, described and listed in a 25-page leaflet, issued by the DeLaval Steam Turbine Co., Trenton, N. J.

A 4-page leaflet on the Nuveyor pneumatic ash conveyor, applicable to power plants handling from 5 to 100 tons of ashes per day, may be obtained from the United Conveyor Corporation, Chicago, Ill.

"Haynes Stellite Products in the Oil Fields," a 32-page illustrated booklet, is the fourth of a series issued by the Haynes Stellite Co., Kokomo, Ind., describing the uses and methods of application of its products.

Master Builders Co., Cleveland, Ohio, has issued a series of four folders giving data and specifications for hardening, dustproofing, waterproofing, dampproofing and coloring concrete.

Macomber Steel Co., Canton, Ohio, has issued a simplified loading table to aid the designer in the proper selection of Massillon bar joists. Standard sizes of the Steel Joist Institute are used in the table.

Vortex Sureflo horizontal and vertical sewage pumps for use in sewage-pumping stations, disposal plants, leather factories and for other industrial uses are described in bulletin D-35 of the Lawrence Pump & Engine Co., Lawrence, Mass.

A new catalog covering practically the entire line of equipment produced by the Heltzel Steel Form & Iron Co., Warren, Ohio, is now being distributed. The products described include forms, batchers, steel bins, utility bridges, mixing boxes and many others.

Of special interest to those who need chain of maximum strength with minimum weight will be a small folder just issued by American Chain Company, Inc., Bridgeport, Conn., showing a table of specifications of the various sizes of Ajax Steel Loading Chain. This chain is particularly adaptable for use in the lumbering and petroleum fields but has also been found ideal to meet the needs of many other industrial applications.

DRAFTSMEN, ATTENTION!

"Few draftsmen know that the parallel straight-edge attachment, now in general use, can be easily be adjusted for drawing views or projections at an angle," says Morton Schwam of Philadelphia, Pa., in Engineering News-Record. "Ordinarily, the draftsman does this work with triangles, which are not very accurate and which require more time than when working from a horizontal line. The parallel straight-edge can be pulled around to any angle from 1 to 30 deg. When this is done, the cord which extends along the top of the drawing board moves laterally. An indicating scale can easily be scribed on the board so that, when occasion arises to show a view at an inclination, the draftsman can pull the straight-edge around to the desired angle as determined by the scale and hold the cord in position with a thumbtack, working in the same manner as if from a horizontal line."

NATIONAL FOREST ROAD
BUILDING TO BE SPEEDED

Recognition by Congress of the need for more rapid progress in road construction within the national forests, as shown by the passage of the Colton-Oddie bill recently signed by the President, is hailed by officers of the U. S. Forest Service as another important step in the needed development of the Federal forests in California.

The Colton-Oddie bill authorizes an annual expenditure of \$12,500,000 for national forest roads and trails, for each of the fiscal years 1931, 1932 and 1933, an increase of \$5,000,000 a year over previous appropriations. The California Region of the U. S. Forest Service will receive approximately \$1,837,600 under this new bill for expenditure in 26 counties located in the national forests of the State, or an annual increase of \$750,000 over previous allotments. Some \$1,428,000 of this amount will be spent on the construction of major roads and the remaining \$409,500 on minor roads and trails.

According to S. E. Shaw, Regional Forester in charge of the national forests in California and southwestern Nevada, the entire \$5,000,000 additional authorization under the Colton-Oddie bill will be applied in improving national forest roads of primary importance to the State, counties and communities, known as the forest highway system. The passage of the bill by Congress was somewhat delayed because of conflicting opinion regarding a preferential clause which was inserted in the early bills for the purpose of diverting the greater portion of the money for improvement of only the main State and Federal road systems. A compromise was effected by which the preferential clause would apply only to the \$5,000,000 increase in authorization and such preference is left to the discretion of the Secretary of Agriculture.

Congress has not as yet given the Secretary of Agriculture authority to obligate any of the increase in Forest Road funds. On May 29, 1930, the Secretary, however, approved expenditures for Forest roads in California from a previous authorization of \$7,500,000 as follows:

Quincy Beckwith—Plumas National Forest. Grading, surfacing and oiling from Quincy to Blairsden, in cooperation with Plumas county, \$56,000.

Deer Creek Meadows—Lassen National Forest. In cooperation with Butte county, grading about 3 1/2 miles from Cold Springs northward, \$55,000.

Topaz—Mono National Forest. Grading 2 7/10 miles and surfacing 11 1/10 miles from Coleville to state line in Mono county, \$95,000.

Mt. Lassen—Lassen National Forest. Surfacing about 5 miles in Tehama county from Morgan Summit to Lassen National Park boundary, \$40,000.

U. S. Highway No. 50—Eldorado National Forest. Grading 2 1/2 miles and surfacing 4 1/2 miles between Riverton and Kyburz and surfacing about four miles between Strawberry and Phillips in Eldorado county, \$142,500.

Northfork—Sierra National Forest. Continuation of betterment work from North Fork northward in Madera county, \$10,000.

Oakhurst—Sierra National Forest. Grading about 3 miles from Four Mile to Fish Camp, \$65,000.

Maricopa—Ventura—Santa Barbara National Forest. Grading from Ojai Valley northward toward Ortega Hill, Ventura county, \$100,000.

Some of the more important national forest development roads approved by Regional Forester Shaw for con-

struction this season are as follows: **Twain Lakes—Mono National Forest.** In Mono county, new construction, extension of present recreation road, \$4,000.

Oak Knoll—Klamath National Forest. In Siskiyou county, completion of present road, \$6,000.

Orleans-Cedar Camp—Klamath National Forest. In Siskiyou county, 18 miles new construction, \$30,000.

Sugarloaf—Sequoia National Forest. In Tulare county, completion of present road, \$7,000.

Tobias Peak—Sequoia National Forest. In Tulare county, new construction, to meet Camp Nelson road, \$18,000.

Dinkey Creek—Sierra National Forest. In Fresno county, continuation of present road, \$15,000.

Clavey River—Stanislaus National Forest. In Tuolumne county, new construction, \$28,000.

Buckhorn—Santa Barbara National Forest. In Santa Barbara county, new construction from Oso creek to Cuyama river, \$40,000.

The remaining forest development road money will be expended on low standard roads and trails for the protection of the national forests against

CROWN-ZELLERBACH SEEKS
RIGHTS IN ALASKA

Launching of an approximate \$20,000,000 project linking San Francisco interests with vast timber resources in Alaska was foreseen. Final application for license to construct six power dams was filed with the federal power commission in Washington by the Crown-Zellerbach Corporation, with headquarters in San Francisco.

Five power plants, according to tentative plans, would be build, generating 80,000 horsepower for a big paper mill. Dams would be constructed on Mirror, Ella, Swan, Grace, Orchard and Manzanita lakes, in Alaska, under the proposal.

In April, 1927, the Zellerbach Paper Company was awarded timber rights in the southeastern section of the Tongass national forest, near Ketchikan, containing 835,000,000 cubic feet of spruce and hemlock.

PLANE CONTRACTS AWARDED
BY U. S. GOVERNMENT

Award of contracts for nearly \$6,000,000 worth of airplanes, engines and accessories was announced by the war department.

A total of 402 new airplanes and 128 new engines, both with spare parts will be added to the air corps force under these contracts. The engines to be supplied by the Wright Aeronautical Corporation of Paterson, New Jersey, at a cost of \$742,643.13, are to be used in bombardment planes already contracted for, while the new planes are to be powered with Pratt and Whitney air-cooled engines, purchase of which is still being negotiated.

The Douglas Company of Santa Monica, Calif., received a \$2,221,623.60 contract for 146 basic training planes and forty-four pursuit planes. A \$1,543,183.90 contract for 131 pursuit planes was awarded the Boeing Airplane Company of Seattle; the Thomas-Morse Aircraft Corporation of Buffalo is to construct seventy-one observation planes at a cost of \$1,015,126.20.

REGIONAL PLAN SUGGESTED TO SOLVE TRAFFIC CONGESTION

Regional planning is shown to be the ultimate solution of traffic congestion in a comprehensive study of its causes, its costs, and its remedies made by the traffic committee of the American Road Builders' Association. Results of the study are announced by Dan R. Lamson, committee engineer.

Among the principal causes shown are:

1. Highway registration (local vehicles).
 2. Outside registration using highways in the area.
 3. Lack of parking restrictions.
 4. Narrow and poorly planned highway systems.
 5. Lack of adequate entrances and exits to cities.
 6. The larger cities geographically hemmed in by waterways.
- Thirty miles from the heart of the central city of a regional area is the maximum distance of local influence. The New York area, even, could be included within these limits. This distance scales down some ten miles around the smaller cities.

It is in these areas that are found traffic conditions which set the maximum standards of right-of-way, surface width and pavement design. Here occur the most expensive construction projects, the highest costs of additional right-of-way, and the greatest obstacles to successful completion of a highway improvement program. This is especially true of the central sections of cities where insufficient right-of-way was set aside originally for highway purposes.

Obviously there is a certain amount of "through" long-distance traffic in any area which travels beyond the 30-mile zone, but these amounts are very small when compared with the local traffic operating within such a zone.

In the Cleveland area, only 1 1/2% of the passenger car traffic on the through trunk highways crosses the regional area between outside points. Over 95% of the daily passenger car traffic entering or leaving the city does not travel beyond the regional area limits, 30 miles from the center of Cleveland.

The cost of traffic congestion is estimated at \$81,000 per day in Boston, was \$600,000 a day in Chicago prior to the inauguration of the regional improvement program, and is estimated at \$1,000,000 a day in New York.

The loss of time because of traffic congestion in some instances in large cities is making transportation by horse-drawn trucks more economical than by motor driven vehicles.

Lack of highway facilities has retarded the purchase of automobiles, notably in New York, Chicago, Philadelphia and Boston. Per capita comparisons of registration figures were made with such cities as Detroit and Los Angeles which have an abundance of wide exits and high speed arteries. Using the Detroit ratio of 3.5 persons to the automobile, the four cities should have a total increase in registration of 1,950,000 automobiles, but they do not.

Grade crossings at highways and railroads contribute an ever-increasing item to the cost of traffic congestion. A study of one of Cleveland's principal streets over a 12-hour period shows that, of the 5,955 vehicles passing over a grade crossing intersection during that time, 1,867 or 31.4 per cent were delayed there. In other words, the thoroughfare could be said to be only 68.6 per cent efficient.

Remedies advances for reducing congestion are:

That a model regional planning organization be drawn up for use of smaller cities; that state legislatures authorize and control regional planning in congested areas; that equitable methods of financing, planning and construction be studied and recommended.

That in locating highways state highway departments build trunk lines around cities; that a minimum right-of-way width be adopted, of 100 feet for primary and secondary trunk lines, and of 66 feet with a two-lane roadway, for rural roads.

That the authority for the location of grade crossings should be vested in the state highway commission or some state public utility commission. That immediate financing and construction is favored of specific projects in regional areas as recommended by the commission in charge.

That state and county highways having an average daily present traffic in excess of 4,000 vehicles shall be designed with more than two traffic lanes of pavement; those with between 1,200 and 4,000 vehicles, not more than 10% of which is truck traffic, to have two traffic lanes, generally paved; roads with less than 1,200 vehicles daily, not more than 10% truck traffic, shall have two traffic lanes with some type of all-weather surfacing.

EXTENSIVE IMPROVEMENTS PLANNED

The Atlas Smelting & Refining Co. has announced that extensive improvements are planned for the Stone Canyon Mines, 30 miles east of San Miguel. Company will expend probably \$3,000,000 on a 7500-ft. tunnel, electric installations, bridges and other necessary operations to provide access to the mine.

SIMPLIFY MASONRY OPENING SIZES FOR METAL WINDOWS

Development of masonry opening sizes for metal windows will be the first undertaking of the Committee on Masonry Opening Sizes held at the Bureau of Standards in Washington, D. C. The function of this committee, which is made up of representatives of the manufacturers of masonry materials, as well as windows and trim, is to make a study of the possibilities of simplifying masonry opening sizes based on a constant variation in height and width.

The committee discussed the recommendations of the American Face Brick Association, the Common Brick Manufacturers' Association, and the Sand Lime Brick Association, which recommendations were presented by the representatives of these groups on the committee.

It was decided that the initial efforts of this committee be confined to the development of masonry opening sizes for metal windows. A subcommittee, composed of manufacturers of steel and copper and bronze windows, was created by the meeting. This subcommittee will draft a tentative simplified practice recommendation covering masonry openings for metal windows and present it to the Division of Simplified Practice, with the request that a general conference of all interests be held with a view to securing national approval of the proposal. The American Institute of Architects was requested to co-operate in the survey which the metal window

manufacturers expect to make among the architectural profession in the country with regard to the increment of variation in opening sizes.

It was further decided that the Committee on Masonry Opening Sizes be continued but that it hold in abeyance the development of its major purpose pending the completion of this initial step.

ROAD CONTRACTS DOUBLE FIRST THREE MONTHS

Contracts for highway construction, awarded during the first three months of this year, more than doubled the awards for the same period last year, and reached a total of more than \$114,000,000, according to a statement on May 10, by the Department of Commerce.

Increases reported by 30 states more than made up for reductions in five; Ohio and Idaho led in percentage of increase, while Pennsylvania's was the greatest in dollar value.

The figures, which cover almost 75 per cent of the country, show contracts awarded during the first quarter of this year valued at \$114,101,833 against \$50,810,123 for the corresponding period of last year, a net increase of slightly over 124 per cent for the group of states which have reported so far.

Three states, West Virginia, New Mexico and South Dakota, which awarded no highway contracts during the first three months of 1929, report awards totaling \$4,367,075 for the first quarter of 1930.

The greatest relative increases are shown in Ohio and Idaho. In the former state the awards for the first three months of this year were approximately 11 times greater than the corresponding quarter a year ago, while Idaho shows increased awards over 30 times larger than last year.

Pennsylvania with contracts awarded valued at \$15,469,853 for the first quarter of 1930 against \$2,282,813 for the same period of 1929 has the greatest dollar value. This is an increase of 577 per cent.

Contracts for highway construction in New Hampshire during the first quarter of this year increased 755 per cent; Washington, 650 per cent, and Colorado, 455 per cent.

Other substantial increases were Oregon, 230 per cent; Maryland, 225 per cent; Iowa, 207 per cent; Wisconsin, 202 per cent; California, 181 per cent; Indiana, 165 per cent; North Carolina, 153 per cent; Missouri, 144 per cent; Florida, 109 per cent, and Virginia, 100 per cent.

CONTRACTOR LIABLE FOR BOND PREMIUM

A contractor who enters into a contract with a municipality for construction work with the advance knowledge that he is required to furnish a bond is bound to pay the premium although the municipal officials may pay it by mistake or otherwise.

For instance, in *Bliddeford vs. Bennett*, 147 A.2. 151, the testimony proved that a municipality advertised in a local paper for bids from contractors who must furnish bond of a surety company satisfactory to the finance committee.

A bonding company which was familiar with the contract wrote the contractor's bond and mailed the bill to the city. The city paid the bill and then sued the contractor to recover the amount. The latter attempted to avoid liability because the city had voluntarily paid the premium. The court held the contractor bound to pay the amount of the premium and said:

"Upon the evidence, the payment by the city was voluntary. There was no express request of the defendant (contractor) for payment by the city."

CREDIT AND BUILDING

Events of recent times bring out rather clearly the failure of our business credit system, the banking system, to provide ready means for financing house construction. From the important position given to this question of financing at the recent international building congress in London it appears that the difficulty is not confined to the United States but that all countries suffer from a similar misadjustment. Its reasons have never been sought out, unfortunately, although regulated house-building conditions are important to the entire community. House building is one of the major industries, and its ups and downs—consider only the past two years!—impress themselves on business activity in general. Doubtless the banking system is partly responsible for the shortcomings of building finance, but much blame must be placed on the technical and industrial phases of house construction. As brought out in a discussion in a later column, the art suffers from lack of modernization. It also suffers from the lack of indexes or guarantees of value. House value is not truly measured by cost but may be reduced by effect of location, planning, and quality of construction—or, in rare instances, may be increased by them. Excellence and efficiency of construction would seem to be matters for engineering industry to control. Modernization of method is one direction of advance; standardization and guarantee of quality is another. When these are taken care of, the way will be clearer for setting up suitable financing facilities—a badly needed improvement.—(Engineering News-Record).

ROAD CONSTRUCTION IN THE UNITED STATES INCREASES

Highway construction in this country shows a large increase in contract awards for the first quarter of 1930, according to reports of governors of 35 states to Secretary of Commerce Lamont. The figures show contracts awarded during the first quarter of this year valued at \$114,101,383, against \$50,910,133 for the similar period of last year.

Pennsylvania leads in dollar total increase, with contracts awarded valued at \$15,469,853 for the first quarter 1930, against \$2,282,813 for the same period of 1929. Other large totals were: Iowa, \$11,232,268; Missouri, \$10,699,657; and Virginia \$9,000,000. These four states provided more than 40 per cent of the total value of contracts awarded.

COMBINED REFRIGERATOR-RANGE PERFECTED BY FRIGIDAIRE

Smaller and more compact apartment house kitchenettes are now made possible by the latest development in the electric refrigeration field—an electric refrigerator and electric range combined, which occupies only a fraction more than four square feet of floor space.

Consisting of an oven equipped, two-burner electric range, fitted snugly over the top of a compact electric refrigerator, the combination was designed by Frigidaire engineers especially for the New York type apartment, the kitchenette of which under the building code must not exceed 30 inches in depth and 10 feet in width.

Developers of the refrigerator-range, the first of its kind, are preparing to supply a heavy demand in all large cities of the United States,

where apartment-dwelling is becoming a common mode of living.

Overall dimensions of the refrigerator-range, which derives current for heat and for cold from a single electric outlet, are 55½ inches high by 26½ inches wide by 23 inches deep. The cooking top of the range is at a convenient height, 43 inches above the floor. The oven, which is at the right of the cooking top unless otherwise specified, is 12½ inches wide by 13½ inches high by 17 inches deep. The range is finished in gray and white porcelain.

The refrigerator, finished either in cream white ducor in gray and white porcelain-on-steel, has a food storage capacity of 3 cubic feet and shelf space of 5½ square feet. Two ice trays, with a capacity of 24 cubes, 2½ pounds at freezing, are provided.

Temperatures within the refrigerator are not affected by the heat of the range, as three inches of special insulation separate the two.

DISPLACEMENT FLOOR WORK OF MALOTT & PETERSON

The "M & P" Roller Displacement Floor used as a sidewalk at 130 Montgomery Street in front of the new Title Insurance Building is of interest to the entire building industry.

Picture a Portland cement floor with the beauty of marble or tile. A concrete so dense no dusting can take place. A floor that actually looks like tile or marble at far less cost. A floor that can be had in any color or shade and that will stay the same color.

The patented process is quite new to San Francisco, although used in the East and at Los Angeles for some time. The base is put in in the usual manner. Then a ¼ or 1" topping of properly mixed and proportioned Portland cement and aggregates is placed and rolled with heavy rollers. This brings all air, laitance, and everything objectionable in cement to the surface. This is squeezed off. This is continued until all excess moisture is done away with. Another layer of dry Portland cement and aggregates is laid and this is rolled with another set of heavier rollers, forcing this aggregate into the lower mass. There can be no voids in an "M & P" Roller Displacement Floor. The color can be put in the full depth, or only on the surface. The finish can be controlled from a smooth promenade finish to a polished marble finish. The surface can be cut into any design using straight lines, such as squares, diagonals, basket weaves, etc. The cuts can be ¼" to ½" or wider—1/64" in depth to any depth desired.

LISTING OF BUILDING SECURITIES DISCUSSED BY L. A. CONTRACTORS

Listing of real estate and building securities was the subject of discussion at a recent meeting of the building division of Southern California Chapter, Associated General Contractors. Desirability of some plan to stimulate public interest and inspire greater confidence in such securities has long been recognized. It is the belief of many persons that if an established market for such securities was available at this time it would be a great advantage in the promotion of construction. Flotation of bond and stock issues on building projects would be much easier if investors knew there was a public market for them and they did not have to depend on the

good will of the issuing bankers to convert them into cash when desired.

It was brought out in the discussion that in New York City the real estate board has established its own exchange for listing of real estate and building securities but the enterprise has been handicapped by starting on too big a scale. Chicago real estate board, instead of following New York's lead, has arranged with the Chicago Curb Exchange for listing of real estate securities in that city. Los Angeles' real estate board has been approached on the subject, it was stated by Melville Dozier, Jr., manager of Southern California Chapter, A. G. C., and has given it some consideration but does not believe the present is a propitious time to take any action. Development of the movement in New York and Chicago will be followed closely, however, and the Chicago plan works out successfully an effort will be made to put it over in Los Angeles.

Some time was also given by the Chapter to the joint control method of handling building construction in which a trustee acts as the representative of the owner and those concerned in financing the project. Further consideration will be given to this subject by a committee to be appointed by President Harold Crowell.

STATE WELL STOCKED WITH DOUGLAS FIR

Reporting the yields of well stocked, even-aged stands of the species in the state, Francis X. Schumacher has written University of California College of Agricultural Bulletin 491, entitled, "Yield, Stand and Volume Tables for Douglas Fir in California." Schumacher is assistant professor in the university. The publication is free, and may be obtained from the college at Berkeley.

"The United States Forest Service has recently completed a study of the yields of Douglas fir for even-aged stands of Oregon and Washington," explains Professor Schumacher. "The work was not extended to stands south of the Willamette—Umpqua divide in Oregon because from observation it is believed that this line roughly divides the Douglas fir forest into two types of decided difference in stand characteristics."

"But the commercial range of the species on the Pacific slope extends into California about as far as Yosemite National Park in the Sierra and about San Francisco Bay along the coast. That there are significant differences in certain stand characteristics between the two general regions seems established from the work presented in the bulletin."

"The growth of the species is shown by tables which state the yield of even-aged stands over a period of years. Age, timber productive quality of the area, and stand density are the most important growth determining factors of a stand. As there is no satisfactory way of expressing stand density in absolute terms, normal-yield tables based on the ideal density which produces maximum volume are presented."

Western headquarters has been established in San Francisco at 469 Bryant Street, by Aeroll Burner Company, Inc., with head office and factory in West New York, New Jersey. A complete stock of products of the company, which includes asphalt and lead melting kettles, tool heaters, asphalt surface heaters, heating torches, oil burners, spray machines for curing concrete, hand spraying attachments, etc., will be carried at the San Francisco headquarters. R. M. Starnes, formerly San Francisco representative for the company, is Pacific Coast manager.

NATION - WIDE PROGRAM OF REBUILDING SLUM DISTRICTS

The American Construction Council, in a summary report made public today, announces its preliminary findings on the recent proposal for a nation-wide program on the rebuilding of slum districts, following the national conference on the subject held under the auspices of the American Construction Council at the Hotel Biltmore in New York on April 25th, 1930. This report, prepared by a special committee of the Council appointed as a result of that conference to make a general survey of the field and report its findings to the public represents views of persons from many civic, professional and business pursuits, and is as follows:

1. A nation-wide program embracing a constructive plan for the rebuilding of slum districts throughout the country offers one of the largest and most important potential fields of building and engineering construction available for the coming decade.

2. Such a program should furnish many billions of dollars of new construction and employment to many thousands of workers in building and allied lines, which spread over a ten year period should contribute very substantially to the maintenance of the nation's prosperity.

3. In some instances modernizing or the rehabilitation of the buildings themselves and their surroundings, rather than entire new construction, may be found desirable.

4. In addition to the more strictly economic benefits in stabilizing the construction industry itself and business generally, the social aspects for the promotion of health, recreation and living comfort as well as eliminating breeding places of crime are of prime importance.

5. These slum and semi-slum districts should not necessarily be rebuilt for housing purposes, but this rebuilding should follow a careful and comprehensive plan for each locality that will meet the purposes for which each district in question is best adapted for the future as well as for the present.

6. Just what districts should be rebuilt for housing purposes should be determined only after the most careful regional planning and zoning provisions that will take into consideration all pertinent factors such as the desirability of the particular area for industrial, commercial or residential purposes and the development of specific requirements for the particular purpose decided upon as most desirable for a given district.

7. When the rebuilding is for residential purposes ample consideration must be given to adequate facilities for parks, playgrounds, streets, light, air, etc.

8. The influence of these districts on child life, as well as low cost buildings of the proper structural design and standards, needs to be considered.

9. The rebuilding of such districts and the purpose for which they are to be utilized must be properly articulated with traffic and transportation conditions in their various aspects.

10. The relation of present day large scale erection of commercial and industrial buildings in congested metropolitan areas to the desirability of adequate housing facilities in close proximity thereto as compared with the more remote residential districts should receive careful consideration including the cost of commuting in terms of both time and money for workers of modest incomes as well as special attention to the growing problem of congestion of commuter traffic.

11. The building of new slum districts in metropolitan areas now de-

veloping in some places and in the outlying districts, and the consequent development of new focal points of infection in housing, should be prevented.

12. The so-called natural depopulation of congested residential areas in the metropolitan districts caused by people moving elsewhere will not automatically solve the slum and semi-slum problem either in the old areas or in the new outlying areas that in many instances are springing up without proper plan or constructive purpose.

13. Proper state co-operation and aid must be provided, which usually can be found to take the form of permissive legislation and sympathetic support by the state, i. e., necessary legal power for proper condemnation proceedings with due recognition of property rights, and also perhaps relief from taxation over a limited time of years for non-speculative housing projects in these districts; also necessary zoning laws and building codes should be given the proper legislative action.

14. Proper aid on the part of municipalities is also necessary, including permissive municipal action with respect to zoning and building codes and acquisition of land under proper terms and conditions, as well as the active and wholehearted support of municipal authorities and their co-operation in working out a constructive local plan.

15. Local and regional plan bodies, representing both business, professional and civic organizations as well as the public, with adequate municipal backing, should give general direction to the local projects.

16. The districts rebuilt for housing purposes may not always best be designed for the habitation of the lowest rental classes, but must be properly adapted to the basic and proper land values and construction costs.

17. These districts should be rebuilt essentially by private business enterprise as the primary agency, with financing on a non-speculative basis, and there must be the necessary local financing agencies and ownership corporations to carry out the specific projects.

18. Any program, to be successful in the solution of this problem, must embrace local enterprise both on the part of the appropriate groups within the construction industry, such as local building congresses and builders' exchanges as well as the individual professions and trades within the construction industry, and also on the part of related civic and other public-spirited agencies.

It is essential, therefore, that every community should lay down a definite program embracing all these and related factors looking toward the proper re-building of its slum and semi-slum districts. Commendable examples of individual projects already under way or completed in some localities are to be noted, but even in some of these instances the benefits have been partially lost because of the lack of an adequate and comprehensive regional plan and safeguards for the entire community. The American Construction Council fully recognizes that the solution of this problem presents certain difficulties, but it is believed that the initiative and statesmanship so characteristic of

American traditions and business enterprise can find a reasonable solution, if national stimulus combined with local effort are given proper applications.

The American Construction Council having in mind the great economic and social benefits that will accrue from a nation-wide program, therefore expects to devote its fullest energies in a co-operative movement directed toward the solution of this problem.

ANCIENT CODE SAYS BUILDER MUST BE PAID FOR LABOR

L. B. Tuckerman, assistant chief of the Division of Mechanics and Sound, U. S. Bureau of Standards, calls attention to the building code included in the Code of Hammurabi, King of Babylon, about 2250 B. C., which provides that the builder shall be paid for his labor.

Sections of the code, as taken from a book by Robert Francis Harper, Ph. D., University of Chicago Press, 1904, are as follows:

228—If a builder build a house for a man and complete it, (that man) shall give him two shekels of silver per sar (approx. 12 sq ft.) of house as his wage.

229—If a builder build a house for a man and do not make its construction firm, and the house which he has built collapse and cause the death of the owner of the house, that builder shall be put to death.

230—If it cause the death of a son of the owner of the house, they shall put to death a son of that builder.

231—If it cause the death of a slave of the owner of the house, he shall give to the owner of the house a slave of equal value.

232—If it destroy property, he shall restore whatever it destroyed, and because he did not make the house which he built firm and it collapsed he shall rebuild the house which collapsed from his own property (i. e., at his own expense).

233—If a builder build a house for a man and do not make its construction meet the requirements and a wall fall in, that builder shall strengthen that wall at his own expense.

HOME TOWN LABOR IS PLAN OF SAN LUIS OBISPO

The San Luis Obispo County Supervisors have passed an ordinance giving preference to local labor on construction to be financed by the county.

The ordinance is the result of agitation arising after county hospital construction and other improvement works done for the county were alleged to have been completed with labor brought in from the outside, while many local workmen were unemployed.

A fine of \$500 or imprisonment in the county jail for six months, or both, are maximum penalties for contractors who disregard the labor ordinance.

In addition to the local labor clause, the ordinance specifies that eight hours shall constitute a working day on public jobs and pay shall be at least equal to that offered on private contracts.

Furthermore, every workman must be a citizen of the United States.

Labor leaders have promised to see that the ordinance is enforced.

Building News Section

APARTMENTS

Contract Awarded.

APARTMENTS Cost, \$300,000
LOS ANGELES, Cal. San Marino St.
and Serrano Ave.
Seven-story and basement Class A
reinforced concrete apartments.
Owner—Withheld.

Architect — F. A. Brown, 1489 W.
Washington Blvd., Los Angeles.
Contractor—Weeks Constr. Co., Paci-
fic National Bank Bldg., L. A.

Sub-Contracts Awarded.

APARTMENTS Cost, \$75,000
EURLINGAME, San Mateo Co., Cal.
El Camino Real.
Three-story and basement frame and
stucco apartments.
Owner—Philip Webster, 2401 Fulton
Ave., Berkeley.

Architect — Edwards & Schary, 605
Market St., San Francisco.
Contractor—Daly Bros., Burlingame
Concrete Materials—H. E. Casey, 207
B St., San Mateo.

Reinforced Concrete—W. C. Hauck,
230 San Bruno Ave., San Francisco
Lumber—San Mateo Planing Mill, 501
Fifth St., San Mateo.

Plumbing—Morrison & Blair, 415 Villa
Terrace, San Mateo.

Heating—P. H. Phillips.

Steel Sash—Michel & Pfeffer Iron
Works, Harrison and Tenth Sts.,
San Francisco.

Sub-bids are wanted on roofing, tile
roofing, flooring and electrical work.

LOS ANGELES, Cal.—Architect H.
E. Werner, 257½ N Beverly Drive,
Beverly Hills, preparing plans for 3-
story store and apartment building
to be erected on Beverly Blvd. near
Union Ave. for Lincoln Leasehold Co.
Cost, \$55,000. Lincoln Leasehold Co.
also secured a long term lease on the
property at the SW corner of 8th and
Stewart Sts. as site for a 6-story class
A bachelor apartment and shop bldg.
Cost, \$200,000.

Architect Taking Sub-Bids.

ALTERATIONS Cost, \$16,000
SAN FRANCISCO, N 8th St. W Guer-
rero Street.

Alterations to three-story and garage
basement frame and stucco apts.
(12 apts.)

Owner and Builders—A. M. McLean
and Mrs. Isabella McLean, care
architect.

Architect—G. A. Berger, 309 Valen-
tia Street.

Plumbing and Heating Bids Wanted.
APARTMENTS Cost, \$25,000
MILBRAE HIGHLANDS, San Mateo
Co., Cal.

Two-story frame and stucco apart-
ments and store building.

Owner—Milbrae Highlands, Inc.
Architect—Chas. Strothoff, 2274 15th
St., San Francisco.

Contractor—Schultz Construction Co.,
Milbrae Highlands.

Roofing and tiling bids will be
taken shortly.

Plans Being Completed.

APARTMENTS Cost, \$200,000
BERKELEY, Alameda Co., Cal. Sacra-
mento St. and University Ave.
Three-story Class C brick apartments
(56 2, 3 and 4-room apts.)

Owner—Davis-Pearce Co., Grant and
Weber Sts., Stockton.

Architect — Davis-Pearce Co., Grant
and Weber Sts., Stockton.

Bids will be taken in about two
weeks.

BONDS

BERKELEY, Alameda Co., Cal.—
Board of Education voted to ask
Board of Supervisors for permission
to consolidate bond election seeking
\$2,690,000 for schools with regular
primary election on August 26.

ALPAUGH, Tulare Co., Cal.—Al-
paugh School District will hold an
election on July 1 at which time it is
proposed to vote bonds in the sum
of \$18,000 to finance alterations and
additions to present school. E. W.
Petersen, Mason Bldg., architect,
Fresno.

Preparing Working Drawings.

SCHOOL Cost, \$20,000
WESTLEY, Stanislaus Co., Cal.
One-story Class C brick or concrete
elementary school (Spanish type).

Owner—Grayson School District.
Architect — Davis-Pearce Co., Grant
and Weber Sts., Stockton.

Election is being held July 7 to
vote bonds to finance construction.

CERES, Stanislaus Co., Calif.—Until
July 15, bids will be received by coun-
ty supervisors for purchase of the \$75-
000 bond issue of the Ceres Grammar
School District; proceeds of the sale
to finance erection of a new school
building.

CHURCHES

Plans To Be Prepared.

HOUSE Cost, \$75,000
FRESNO, Fresno Co., Cal.
Cathedral House.

Owner—St. James Cathedral (Dean A.
W. Farlander).

Architect Not Selected.

Plans Being Revised.

CHURCH Cost, \$—
REDWOOD CITY, San Mateo Co.,
Cal. James and Hudson Sts.

One-story, basement and mezzanine
floor frame and stucco church

A Demonstration of the

SKILSAW PORTABLE ELEC- TRIC HAND SAW

Will solve your cutting problems.
(Four Models, ½ to 1 h. p.)

ELECTRIC HAMMERS ELECTRIC DRILLS GRINDERS, BUFFERS

PETER H. NELSON

Labor Saving Portable Electric
Tools.

1222 Mission St.
San Francisco

UNDERhill
1267

(auditorium to seat 325; 6 Sunday
school rooms, ladies' parlor, pas-
tor's study and dining room).

Owner—First Baptist Church (Rev. C.
H. Gatchell, Pastor).
Architect—G. Hodgson, Daniel Staf-
ford Bldg., Redwood City.

FACTORIES AND WARE- HOUSES

Contracts Awarded.

ADDITION Cost, \$30,000
SAN FRANCISCO, N California St.
W Kearny St.

Two-story and basement frame addi-
tion to present building.

Owner — Stauffer Chemical Co., 634
California St., San Francisco.

Architect—August Nordin, Mills Bldg.,
San Francisco.

Contractors—Emil Hogberg, 249 Edge-
wood Ave., and G. P. W. Jensen,
320 Market St., San Francisco.

Excavation and Spur Track Work to
Start Shortly.

WAREHOUSE Cost, \$60,000
SAN MATEO, San Mateo Co., Cal.
Peninsula Ave. & Woodside Way
Warehouse, rock, sand and gravel
bunkers.

Owner—H. E. Casey Co. (H. E. Casey,
manager), San Mateo.

Architect—Eng. Dept. of Owner.

Plans Being Prepared

FACTORY Cost, \$25,000
OAKLAND, Alameda Co., Cal. 46th
and Telegraph Aves.

Two-story reinforced concrete fac-
tory and warehouse.

Owner—Margaret Burnham Candy Co.
3800 Piedmont Ave., Oakland.

Plans by George Koster, 2355 Leaven-
worth St., San Francisco.

Bids will be taken in thirty days.

Bids Wanted—To Be Opened July 7,
4:30 P. M.

SPRINKLER SYSTEM Cost, \$—
OAKLAND, Alameda Co., Cal. Inner
Harbor.

Sprinkler system and electric work
for Ninth Avenue Pier shed.

Owner—City of Oakland (Port Com-
mission), 424 Oakland Bank Bldg.,
Oakland.

Architect—Engineering Dept. of Port
Commission, 424 Oakland Bank
Bldg., Oakland.

Construction Under Way.

ADDITION Cost, \$15,000
STOCKTON, San Joaquin Co., Cal.
No. 221 North A Street.

Addition to warehouse.

Owner—Richmond Chase Co., Prem.
Architect and Mgr. of Const.—Davis-
Pearce Co., Grant and Weber Sts.,
Stockton.

Contract Awarded.

ADDITION Cost, \$6000
OAKLAND, Alameda Co., Cal. No.
2101 Livingston St.

Addition to present plant.

Owner—Sumner McKee Salesbook Co.,
Premises.

Architect—None.
Contractor—Austin Co. of California,
Ray Bldg., Oakland.

June 25, 1930
NEWMAN, Stanislau Co., Cal.—
 See "Banks, Stores and Offices," this
 issue.

Contract Awarded.
ADDITION. Cost, \$25,000
WATSONVILLE, Santa Clara Co., Cal.
 Wall and Walker Streets.
 Reinforced concrete and galvanized
 iron packing house addition.
 Owner—T. J. Horgan Co., premises.
 Plans by Mr. Renfrow.
 Contractor—Jack Renfrow, Watson-
 ville.

Plans Being Completed.
SHED. Cost, \$30,000
SAN FRANCISCO, Pier No. 1.
 One-story shed (reinforced concrete
 construction; steel columns, wood
 roof).
 Owner—State Board of Harbor Com-
 missioners.
 Engineer—Frank White, Ferry Bldg.
 Plans will be ready for bids about
 July 15.

SAN FRANCISCO—M. Williams &
 Son, 1617 Lombard St., at \$518 award-
 ed contract for painting barge office,
 booths, wharfing office, two fish
 stalls, and W. G. Thompson, 336
 Church St., at \$1017 awarded contract
 for painting fish markets, etc. by State
 Board of Harbor Commissioners, Ferry
 Building.

Following is a complete list of bids:
 M. Williams & Son, (2) \$518; W. G.
 Thompson, (1) \$1,017, (2) \$681; E. An-
 derson, (1) \$1192, (2) \$1760; E. Kahler,
 (1) \$1350, (2) \$775; Cramer Bros., (1)
 \$1490; (2) \$1465; J. Chaban, (1) \$1500,
 (2) \$1155; D. E. Burgess, (1) \$1520, (2)
 \$730.

Contract Awarded.
TERMINAL. Cost, \$100,000
RICHMOND, Contra Costa Co., Calif.
 Outer Harbor (5-acre site).
 Oil distributing terminal (several large
 storage tanks, warehouses, loading
 racks, etc.)
 Owner—Pari-Richmond Terminal Cor-
 poration, Richmond.
 Architect—Eng. Dept. of Lessee.
 Lessee—MacMillan Petroleum Corp.,
 530 W 6th St., Los Angeles.
 Contractor—F. C. Stolte, 10 Glen Al-
 pine Road, Oakland.
Grading—Marshall and Higgins, Rich-
 mond.
Tanks, Pipe Lines, Etc.—Steel Pipe &
 Tank Co., Berkeley.

Brick Contract Awarded.
WAREHOUSE. Cost, \$80,000
WATSONVILLE, Santa Cruz Co., Cal.
 Two-story reinforced concrete ware-
 house and general store.
 Owner—Espendolas, Inc.
 Architect—A. W. Story, Pajaro Valley
 Bank Bldg., Watsonville.
 Contractor—The Ruegg Co., 369 Pine
 St., San Francisco.
Brick Work—Reed & Reed, Hearst
 Bldg., San Francisco.
 Construction is under way.

Contract Awarded.
CLEANING PLANT. Cost, \$6000
SAN MATEO, San Mateo Co., Cal. No.
 215 Highland Avenue.
 Class B cleaning and dyeing plant.
 Owner—James P. Britt, 1631 S. El
 Camino, San Mateo.
 Contractor—Stephenson Co., Monad-
 nock Bldg., San Francisco.

Permit Applied For.
ADDITION. Cost, \$15,000
STOCKTON, San Joaquin Co., Calif.
 221 North A St.
 Addition to warehouse.
 Owner—Richmond Chase Co., prem-
 ises.
 Architect and Mgr. of Const.—Davis-
 Pearce Co., Grant and Weber Sts.,
 Stockton.

RICHMOND, Contra Costa Co., Cal.
 —It has been announced that a large
 fruit exchange and packing plant will
 be constructed on the Richmond In-
 ner Harbor, adjacent to the Filice &
 Perrelli plant, and will be of allied in-
 terest to the new cannery. The owners'
 names are withheld at this time.
 More definite information will be given
 when the project is further ad-
 vanced.

SANTA CRUZ, Cal.—Pep Cream-
 eries Company, Ltd., seeking location
 to build modern creamery. Articles
 of incorporation have been filed for
 \$50,000.

Contract Awarded.
ADDITIONS. Cost, \$6970.
FRESNO, Fresno Co., Cal. 1455 Van
 Ness Ave.
 Additions to ventilating plant.
 Owner—Pacific Telephone & Telegraph
 Co., 146 New Montgomery St., San
 Francisco.
 Architect—Eng. Dept. of Owner.
 Contractor—Barrett Hicks Co., 1031
 Broadway, Fresno.

Plans Being Figured.
WAREHOUSE. Cost, \$8500
SAN JOSE, Santa Clara Co., Cal.
 One-story frame and stucco offices
 and warehouse.
 Owner—Williams and Russo, Fourth
 and Virginia Sts., San Jose.
 Architect—Herman Krause, Bank of
 San Jose Bldg., San Jose.

Planned.
WAREHOUSE. Cost, \$—
LIVE OAK, Sutter Co., Cal.
 Warehouse and processing plant.
 Owner—Walnut Growers Assn., N. F.
 Toila, president.
 Architect Not Selected.

Construction To Start Immediately.
CHEMICAL PLANT. Cost, \$5,000,000
NICHOLS, Contra Costa Co., Cal. Near
 Pittsburg on 613 acre site.
 Chemical plant (comprising group of
 fireproof structures).
 Owner—Shell Chemical Co. (subsidiary
 company of Shell Oil Co. San Fran-
 cisco).
 Architect—Eng. Dept. of Owner, Shell
 Oil Bldg., San Francisco.
 Contractor—Name Withheld.
 Names of contractors are withheld
 for the time being.

**Contract Awarded—Sub Bids Being
 Taken.**
CLEANING PLANT. Cost, \$6000
BURLINGAME, San Mateo Co., Cal.
 215 Highland Ave.
 One-story class B concrete dyeing and
 cleaning plant.
 Owner—James P. Britt, 1631 S El Ca-
 mino, San Mateo.
 Architect—Wm. Toepke, 74 New Mont-
 gomery St., San Francisco.
 Contractor—Clinton-Stephenson Const.
 Co., Ltd., Monadnock Bldg., San
 Francisco.
 Lessee—Sterling Dyers & Cleaners.

Structural Steel Contract Awarded.
FACTORY. Cost, \$10,000
SAN FRANCISCO, NW Shipley St
 bet. 4th and 5th Sts.
 One-story steel factory and pipe stor-
 age building.
 Owner—Cyclops Iron Works, 837 Fol-
 som St., San Francisco.
 Engineer and Mgr. of Const.—H. C.
 Vensano, 58 Sutter St., S. F.
Structural Steel—California Steel Co.,
 Hohart Bldg., San Francisco.

OAKLAND, Alameda Co., Cal.—Follow-
 ing is a complete list of bids re-
 ceived by City of Oakland Port Com-
 mission, 424 Oakland Bank Bldg., for
 electric wiring for light and power at
 Ninth Ave. Pier:

Kenyon Elec. Co., 526 13th Street
 Oakland.....\$ 5,000
Geo. Wulfrey Elec. Co., Oakland, 5,308
T. L. Korenberg, Oakland, 5,500
Matson-Seabrooke Co., Oakland, 5,924
NePage-McKinney Co., Oakland, 5,987
Thos. Whitelaw, Oakland, 6,060
H. H. Clifford, Oakland, 8,843
 Bids held under advisement.

Contract Awarded.
BAKERY. Cost, \$25,000
ESCALON, San Joaquin Co., Calif.
 One-story reinforced concrete bakery.
 Owner—Arno Bender, Escalon.
 Architect—None.
 Contractor—Frank P. Guyon, 1211 E
 Main St., Stockton.
 Concrete—Nelson Bros., Escalon.

Contract Awarded.
SHED. Cost, \$92,598
LONG BEACH, Los Angeles Co., Cal.
 Berth No. 50.
 Steel frame, concrete and corrugated
 iron transit shed (82x510 ft.)
 Owner—City of Long Beach.
 Architect—Eng. Dept. of Owner.
 Contractor—Lynch Constr. Co., 730
 Merill Ave., Los Angeles.

Bids Opened.
TRANSIT SHED. Cost, \$—
OAKLAND, Alameda Co., Cal. Outer
 Harbor.
 400 ft. extension to transit shed.
 Owner—City of Oakland Port Com-
 mission, G. B. Hegardt, Secretary.
 421 Oakland Bank Bldg., Oakland.
 Architect—Eng. Dept. of Owner.
 Following is a complete list of bids:
 Schuler & McDonald, 9th Ave.
 Pier, Oakland.....\$104,715
 George Pollock, Sacramento.....112,300
 Healy-Thibbitts Const. Co., San
 Francisco.....112,730
 Pan Pacific Piling & Const. Co.,
 Richmond.....115,561
 Merritt, Chapman & Scott, San
 Pedro.....124,800
 Bids held under advisement.

GARAGES AND SERVICE STATIONS

Contract Awarded.
SERVICE STATION. Cost, \$18,000
SAN FRANCISCO, SE Chestnut and
 Fillmore Sts.
 Reinforced concrete service station.
 Owner—Standard Oil Co., 225 Bush St.
 Architect—None.
 Contractor—Lindgren and Swinerton,
 Inc., 225 Bush St.

Contract Awarded.
STATION. Cost, \$10,000
SAN JOSE, Santa Clara Co., Cal.
 Second and San Salvador Sts.
 Brick and concrete super service sta-
 tion.
 Owner—Seaside Oil Co., Stockton and
 Polhemus Sts., San Jose.
 Architect—Eng. Dept. of Owner.
 Contractor—R. O. Summers, 17 N.
 First St., San Jose.

Plans Being Completed.
GARAGE. Cost, \$33,000
OAKLAND, Alameda Co., Cal. 26th
 and Webster Sts.
 Two-story reinforced concrete garage
 and salesroom (100x200 ft.)
 Owner—Fred E. Reed, Inc.
 Architect—Reed & Corlett, Oakland
 Bank Bldg., Oakland.
 Bids will be taken June 30th.

Plans Being Prepared.
SALES BLDG. Cost, \$20,000
NEWMAN, Stanislau Co., Calif.
 One-story brick auto sales and service
 building.
 Owner—Thomas Rose.
 Architect—H. G. Bissell, 421 E Miner
 St., Stockton.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—McCarthy and Johanns, 748 14th St., at \$1,062 submitted lowest bid to Public Works Officer, 12th Naval District, 100 Harrison St., to provide and secure a temporary structure or penthouse on roof of Marine Corps Depot of Supplies, 100 Harrison St. Bid referred and recommended to Washington for award. (1832) 1st report June 5, 1930.

SAN FRANCISCO.—Bids are being received by Constructing Quartermaster, Fort Mason, for magnesite flooring for general mess hall No. 10, at Letterman General Hospital.

Bids should be submitted immediately, as a limited time is allowed for figuring. June 26th is the very latest date. Plans and specifications from Constructing Quartermaster's office, at Fort Mason.

Contract Awarded.
LABORATORY BLDGS. Cost, \$20,000
MONTEREY, Monterey Co., Cal. Presidio of Monterey.

Frame lavatory buildings, six 52x20-ft. and one 14x20-ft.

Owner—U. S. Government.
Architect—Post Quartermaster, Presidio, Monterey.

Contractor—S. H. Hooke, 606 Larkin St., Monterey.

The project will involve a large amount of plumbing, comprising 12 water closets, 15 or 20 wash basins, hot water tanks and hot water heaters.

SAN FRANCISCO.—Until July 8, 2 P. M., bids will be received by Superintendent of Lighthouses, Customhouse, to furnish and install steel shelving for warehouse and shop building at Yerba Buena Island (Goat Island) in San Francisco Bay. Further information, together with specifications obtainable from above.

Contract Awarded.
REPAIRS Cost. Price, \$2952
SAN FRANCISCO. Main Post Office Exterior and interior repairs at post office.

Owner—United States Government.
Architect—Supervising Architect, Treasury Dept. Washington, D. C.
Contractor—Finn Anderson, San Francisco.

SAN FRANCISCO.—F. Lee Dixon, 288 Missouri St., at \$1,235, awarded contract by Constructing Quartermaster, Fort Mason, for interior painting of three hospital buildings at Letterman General Hospital.

Following is a complete list of bids:

F. Lee Dixon.....	\$1,235
Geckler & Rocca.....	1,495
Monroe Moore.....	1,565
Commercial Painting Co.....	1,595
E. Kahler.....	1,600
Piedmont Painting & Decorating Co., Oakland.....	1,625
R. P. Tacoli.....	1,738
D. E. Burgess Stockton.....	2,100
A. B. C. Paint & Spray Co.....	2,102
W. M. Brown.....	2,190
E. Anderson.....	2,351
W. G. Thompson.....	3,033

HAWTHORNE, Nevada.—Bureau of Yards and Docks, Navy Dept., rejected all bids received on June 15 and will readvertise for refrigerated display cases and three refrigerators for the Naval Ammunition Depot, Hawthorne. The bids were: Parker Ice Machine Co., (1) refrigerating unit, \$4312.40; (2) refrigerators and machines, \$3512; (3) display case, \$1510; Oscar Hausman, (1) \$4700; (2) \$3250; (3) \$1450. The Stern Co., (3) \$1225. National Electric Supply Co., (3) \$2784. Smoot-Holman Co., (3) \$1140. Weber

Show Case & Fixture Co., (3) \$1390. Savage & Son, (1) \$4333. Spec. No. 6146.

SAN FRANCISCO.—McCarthy and Johanns, 748 14th St., at \$1062 awarded contract by Public Works Officer, 12th Naval District, 100 Harrison St., to provide and secure a temporary structure or penthouse on roof of Marine Corps Depot of Supplies, 100 Harrison Street.

Low Bidder.
STABLES Cost, \$20,000
MONTEREY, Monterey Co., Cal.
Two cavalry stables.
Owner—U. S. Government.

Architect—Post Quartermaster, Presidio, Monterey.
Low Bidder—H. Kohlwas, 140 Ortega St., San Francisco, \$12,000 approx.

HALLS AND SOCIETY BUILDINGS

Painting and Glass Contracts Awarded.

BUILDING Cost, approx. \$230,000
OAKLAND, Alameda Co., Calif. 15th and Grove Sts.

Six-story and basement class C steel frame and concrete building.

Owner—Salvation Army.
Architect—Douglas Stone, Gt. Western Power Bldg., Oakland.

Contractor—Jacobs and Pattiani, 337 17th St., Oakland.

Painting—A. A. Zelinsky, 4420 California St., San Francisco.

Glass—W. P. Fuller Co., 301 Mission St., San Francisco.

As previously reported, excavation awarded to Ariss-Knapp Co., 961 41st St., Oakland; plumbing and heating to Scott Co., 113 10th St., Oakland.

Other awards will be made shortly.

Plans Being Figured—Bios Close July 15, 2 P. M.

MEMORIAL HALL Cost, \$85,000 (exclusive of furnishings)
EUREKA, Humboldt Co., Cal. H St. bet. 10th and 11th Sts

One-story and basement concrete Veterans' Memorial Hall (140x98 ft.)
Owner—County of Humboldt, Fred M. Kay, county clerk, Eureka.

Architect—Newton Ackerman, 102 W 4th St., Eureka.

Basement will contain banquet room, handball court, kitchen, Boy Scout quarters, storage space and locker rooms. First floor will provide lobby, memorial hall seating between 400 and 500, lounges, card and billiard rooms. Exhibit rooms will be provided on the mezzanine floor.

Sub-Contracts Awarded.
BUILDING Cost approx. \$230,000
OAKLAND, Alameda Co., Calif. 15th and Grove Sts.

Six-story and basement class C steel frame and concrete building.

Owner—Salvation Army.

Architect—Douglas Stone, Gt. Western Power Bldg., Oakland.

Contractor—Jacobs and Pattiani, 337 17th St., Oakland.

Concrete—Hutchinson Co., 1450 Harrison St., Oakland.

Reinforcing Steel—McGrath Steel Co., 254 Hobart St., Oakland.

Structural Steel—Pacific Coast Engineering Co., foot of 14th St., Oakland.

Electric—Alta Electric Co., 938 Howard St., San Francisco.

Lumber—Sunset Lbr. Co., 400 High St., Oakland.

As previously reported, excavation awarded to Ariss-Knapp Co., 961 41st St., Oakland; plumbing and heating to Scott Co., 113 10th St., Oakland.

Preliminary Plans Being Prepared.
BUILDING Cost, \$—

SAN FRANCISCO. SW Embarcadero and Howard St.

Reinforced concrete building.

Owner—Robert Dollar Co., 311 California St.

Architect—Chas. McCall, 1404 Franklin St.

More definite information will be given in about ten days.

Preparing Working Drawings.
CLUBHOUSE Cost, \$2,000,000
SAN FRANCISCO. Post and Mason Streets.

Twenty-six-story class A club bldg.

Owner—Olympic Club, premises.

Architects—John Bakewell, Arthur Brown, Jr., and John Bauer, associated, 251 Kearny St.

Plans will be ready for bids in about thirty days.

Segregated Bids Being Taken.
RECREATION BLDG. Cost, \$125,000
WATSONVILLE, Santa Cruz Co., Cal.

Two-story reinforced concrete recreation building.

Owner—Interstate Recreation Corporation, Ltd., J. B. Munjar, Phelan Bldg., San Francisco, president.

Architect—Joseph L. Stewart, Federal Reserve Bank Bldg., San Francisco.

Footings Bids For Club House Being Taken.

CLUB HOUSE Cost, \$60,000
BELVEDERE, Marin Co., Cal.

One-story frame and stucco club house.

Owner—San Francisco Yacht Club.

Architect—H. H. Guttersen, 526 Powell St., San Francisco.

Bids are to be in June 25th.

Plans To Be Prepared.
LODGE BLDG. Cost, Approx. \$20,000
WILLIAMS, Colusa Co., Cal.

Lodge building

Owner—Tuscan Lodge of Williams.

Architect—Starks & Flanders, Forum Bldg., Sacramento.

Preliminary Plans Approved.
CLUBHOUSE Cost, \$150,000
LONG BEACH, Los Angeles Co., Cal.

Fifth and Alamitos Ave.

American Legion clubhouse.

Owner—Arthur L. Peterson Post No. 27, The American Legion.

Architect—Schilling & Schilling, Farmers' and Merchants' Bank Bldg., Long Beach.

HOSPITALS

Contract Awarded.
HOSPITAL Cont. Price, \$21,126
GRAND CANYON, Arizona.

One-story frame and plaster hospital

Owner—U. S. Government (U. S. Park Service).

Architect—Chief Landscape Architect, Underwood Bldg., San Francisco.

Contractor—George C. Walters, Flagstaff, Arizona.

Additional Sub-Contracts Awarded.
ADDITION Cost, \$125,000
SAN FRANCISCO. Mission St. and Silver Ave.

Reinforced concrete wing addition to present building.

Owner—Hebrew Home for Aged.

Architect—Hyman & Appleton, 68 Post Street.

Contractor—Spivock & Spivock, Hobart Bldg.

Ornamental and Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St.

Roofing—Alta Roofing Co., 976 Indiana Street.

Reinforcing Steel—Concrete Eng. Co., 1250 Indiana St.

As previously reported grading contract awarded to Sibley Grading and

Teaming Co., 165 Landers St.; cast stone to Henry Gregoire, 357 12th St.

CRESCENT CITY, Del Norte Co., Cal.—Until July 14, 10 A. M., bids will be received by Emma Cooper, county clerk, to furnish and deliver hospital

supplies for six months' period, to be delivered on or about July 15. Further information obtainable from clerk.

Plans Ready For Figures.

HOSPITAL Cost, \$55,000
VISALIA, Tulare Co., Cal. Baker St. bet. West Willow and West Mineral King Aves.

One-story and basement frame hospital.

Owner—Kaweah Hospital, Inc. (Jos. R. Barboni, vice-president and Visalia manager of the Security First National Bank of Los Angeles, chairman of the finance committee).

Architect—E. J. Kump Co., Rowell Bldg., Fresno.

Will have 32-bed capacity, arranged in two four-bed wards, two two-bed wards and twenty private rooms.

Preparing Working Drawings.

COTTAGES Cost, \$36,000
SACRAMENTO, Sacramento Co., Cal. Suttersville Road (Sacramento Orphanage and Children's Home). Two two-story frame cottages and one-story brick laundry, 28x60 ft.) and boiler room.

Owner—City of Sacramento.
Architect—Dean & Dean, California State Life Bldg., Sacramento.

Cottages will contain dining room, kitchen, porch, laundry, bedroom, sewing room and living room on the first floor and two dormitories, four dressing rooms, two bathrooms and quarters for the house mother on the second floor.

Additional Sub-Contracts Awarded.

ADDITION Cost, \$650,000
SAN FRANCISCO. Fell St. and Baker Street.

Addition to present class A hospital. Owner—Southern Pacific Railroad Co., 65 Market St.

Architects—Alfred I. Coffey and Martin J. Rist, Phelan Bldg.

Contractor—Barrett & Hilp, 918 Harrison Street.

Sheet Metal—Guilfooy Cornice Works, 1234 Howard St.

Metal Lockers—Worley & Co., 39 Natoma Street.

Toilet Partitions—Dwan & Co., 534 6th Street.

Heating, Plumbing and Electric Work—Frank J. Klimm, 456 Ellis St.

Plans To Be Prepared.
HOSPITAL Cost, \$750,000
YOUNTVILLE, Napa Co., Cal. Class A hospital.

Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Bldg., Sacramento.

LOS ANGELES, Cal. — Santa Fe Railway Architectural Department, Kerckhoff Bldg., is preparing preliminary plans for a nurses' home to be erected on the company's hospital site on St. Louis St.

Sub-Contracts Awarded.

HOSPITAL Cost, price, \$341,650
PALO ALTO, Santa Clara Co., Calif. On State Highway north of Palm Drive.

Four-story reinforced concrete hospital (100-bed capacity).

Owner—City of Palo Alto.
Architect—Reed and Corlett, Oakland Bank Bldg., Oakland.

Contractor—K. E. Parker, 135 South Park, San Francisco.

Reinforcing Steel—Pacific Coast Steel Co., 215 Market St., San Francisco.

Plumbing—W. H. Picard, 5656 College Ave., Oakland.
Electric Work—Spott Electric Co., 2095 Broadway, Oakland.
Lumber—McCallum Lumber Co., 748 Bryant St., San Francisco.

Heating—Scott Co., 243 Minna St., San Francisco.

Plastering—Chris Berg, 719 45th Ave., San Francisco.

Painting—Anton Anderson, Palo Alto. Other awards will be made shortly. Laundry, heating plant, kitchen and store rooms will occupy ground floor with administration offices, dining rooms and consultation rooms and X-ray department. Second and 3rd floors will be devoted to accommodations of patients in addition to two-three- and four-room wards and 15-room nursery. Large sun porch will also be located on second floor. Fourth floor will be given over to surgery.

Bids Opened.

ADDITION Cost, \$30,000 (with equipment)
SAN FRANCISCO. Sutter and Scott Streets.

One-story brick addition to laboratory building.

Owner—Mt. Zion Hospital, premises.
Architect—Arthur Brown, Jr., 251 Kearny St.

General Work

I. M. Sommer Co., 901 Bryant Street \$19,240
Mr. Matlock 19,986
Barrett & Hilp 17,410
J. H. Johnson 18,478
Vogt & Davidson 19,847
F. R. Siegrist 19,777
Spivock & Spivock 19,477
McDonald & Kahn 21,845

Mechanical, Electrical and Plumbing
Turner Co., 329 Tehama St. \$6,585

Plumbing and Mechanical
Turner Co., 329 Tehama St. \$5,270
Scott Co. 6,176
Klimm Co. 6,228
O'Mara & Stewart 5,934
Snook Co. 6,637
Wm. Wilson Co. 5,797
Dowd & Welsh 7,912

Electrical Work

Turner Co., 329 Tehama St. \$1,470
Klimm Co. 1,430
H. S. Tittle Co. 1,137
Decker Co. 1,270
Langlais Co. 1,533

Bridge Work

Mortenson Co., 608 Indiana St. \$2,400
Schrader Iron Works 2,272
Judson-Pacific Co. 1,591
McClintic-Marshall 2,175

Metal Bridge Covering

H. H. Robertson Co., 639 Howard Street \$948
Bids held under advisement for a few days.

Low Bidders.

HOSPITAL Cost, \$206,896
LOS ANGELES, Cal. County Farm. Reinforced concrete hospital.

Owner—County of Los Angeles.
Architect—Karl Muck, County Architect, Los Angeles

Low Bidder—E. J. Chute Co., 2506 W. Santa Barbara Ave., Los Angeles.

Electric Wiring—American Electric Co., Los Angeles, \$22,300.

Heating—Pacific Pipe Supply Co., Los Angeles, \$14,470.

HOTELS

Contract Awarded.

HOTEL Cost, \$100,000
LONG BEACH, Los Angeles Co., Cal. Hart Court and Seaside Blvd. Four-story and basement brick hotel (69 rooms).

Owner—Robinson Hotel, Inc.
Architect—Francis H. Gentry, Jergins Trust Bldg., Long Beach.
Contractor—Dodd & Bartlett, 548 American Ave., Long Beach.

Plans Being Prepared.

HOTEL Cost, \$250,000
SONORA, Tuolumne Co., Cal. Three-story reinforced concrete tourist hotel.

Owner—Wilson Investment Co. Architect—Edwards and Schary, 605 Market St., San Francisco.

Bids will be called for in from 30 to 60 days.

Planned.

HOTEL Cost, \$1,500,000
PORTLAND, Oregon. Holladay, 13th and 14th Streets.
Twenty-story Class A steel frame hotel (120x220 ft.)

Owner—Lloyd Corporation.
Architect—Morgan, Walls & Clements Van Nuys Bldg., Los Angeles, or Walker & Elsen, Bank of Italy Bldg., Los Angeles.

Preparing Working Drawings.

ALTERATIONS Cost, \$100,000
SONORA, Tuolumne Co., Cal. Alterations and additions to present three-story brick hotel (new lobby, coffee shop, banquet rooms, elevators, etc.)

Owner—Erick and Chas. Seterstrom, Sonora.

Architect—Davis-Pearce Co., Grant and Weber Sts., Stockton.

Sub-bids are being taken on a portion of the work.

ICE AND COLD STORAGE PLANTS

Plans Being Prepared.

ADDITION Cost, \$70,000
WATSONVILLE, Santa Clara Co., Cal. Beach Road.

Reinforced concrete addition to cold storage plant (75x100-ft.)

Owner—Apple Growers Cold Storage Co., Watsonville.

Architect—Gay Eng. Co., 2650 Santa Fe, Los Angeles.

Bids will be called for about July 8.

POWER PLANTS

SUNAVILLE, Lassen Co., Cal.—California Utilities Company will rebuild immediately sub-station destroyed by fire. Land west of the water tanks, owned by the town of Sunaville has been sold to the company for the proposed new station.

PASADENA, Los Angeles Co., Cal.—Consolidated Steel Corp., 1200 North Main St. (CA 5500), submitted low bid June 19 for furnishing two boilers under item (1) for the new municipal light and power plant, at \$123,151. Bids were taken on the following items:
two 15,000-hp. high pressure boilers;
two air pre-heaters;
two sets of copper tubes, headers, connections, etc.;
two automatic super-heaters.

PASO ROBLES, San Luis Obispo Co., Cal.—Until July 7, 5 P. M. bids will be received by Ida K. Welborn, city clerk, to furnish and install one gas fired low pressure steam boiler to meet the following specifications:
1 G. S.-11-Ideal Gas Fired Boiler (or equal) with "T" equipment;
1660 A.G.A. sq. ft. steam radiation, f.o.b. Paso Robles.

Delivery to be made any time before October 1. Further information obtainable from clerk.

See call for bids under official proposal section in this issue.

REDDING, Shasta Co., Cal.—Until July 7, 5 P. M. bids will be received by Leslie Engram, city clerk, to furnish and deliver f. o. b. cars, Redding, cedar poles, as follows: Five 9 in to 60 ft. poles, five 9 in. to 50 ft. poles, twenty 9 in. to 45 ft. poles and thirty 9 in. to 40 ft. poles, all to be Western Red Cedar of quality, workmanship and measurement guaranteed to com-

ply strictly with Western Red Cedar specifications, butts creosoted ½ inch guaranteed penetration. Further information obtainable from clerk.

PUBLIC BUILDINGS, FIRE HOUSES AND JAILS

ALTURAS, Modoc Co., Cal.—Until July 7, 2 P. M., bids will be received by L. S. Smith, county clerk, to furnish and install steam heating plant at county hospital. Ralph D. Taylor, Architect, Belli Bldg., Alturas. Certified check 10% payable to Board of Supervisors required with bid. Plans obtainable from architect and on file in office of clerk.

See call for bids under official proposal section in this issue.

Plans Being Figured—Bids Close July 7, 11 A. M.

ALTERATIONS Cost, \$—
BAKERSFIELD, Kern Co., Cal. County Court House.
Alterations and additions to Court House.

Owner—County of Kern, F. E. Smith, clerk, Bakersfield.

Architect—Edwin J. Symmes, Habersfelde Bldg., Bakersfield.

Plans obtainable from architect. Certified check 10% payable to Chairman of Board of Supervisors required with bid.

Contract Awarded.
MEMORIAL BLDG. Cost, \$65,000

EMERYVILLE, Alameda Co., Cal. Salem St., bet. 43rd and 45th Sts. Two-story reinforced concrete Veterans' Memorial Building.

Owner—County of Alameda.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Contractor—E. T. Leiter & Son, 811 37th St., Oakland.

Following is a complete list of bids received:

E. T. Leiter & Son, Oakland.....	\$56,837
J. J. Grodem, Alameda.....	59,750
Villadas Bros., San Francisco.....	61,119
C. W. Connor.....	61,867
C. D. Vezev & Son, Oakland.....	62,163
George Swanstrom, Oakland.....	62,210
N. H. Sjoberg, San Francisco.....	64,446
Eyer Constr. Co., Oakland.....	64,500
Fred J. Westlund, Oakland.....	64,850
Spivock & Spivock, S. F.....	64,900
Gaubert Bros., Oakland.....	64,950
Emil Person, Oakland.....	67,899
E. T. Lesure, Berkeley.....	68,373
George Hudson, Oakland.....	72,912

COUNTY MUSEUM, Los Angeles Cal.—Plans have been completed and filed with the county supervisors for the main entrance stairs for the Class A building known as Unit No. 2, County Museum at Exposition Park. Edwin Bergstrom, Myron Hunt, Pierpont Davis, Sumner P. Hunt, William Richards, 1136 Citizens Bank Bldg., Los Angeles, architects. Plans may be obtained from the county architect upon deposit of \$25. Date for bids will be announced within a few days.

RESIDENCE

June 26, 1930

Sub-Bids Being Taken.

RESIDENCE Cost, \$318,868
HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement reinforced concrete residence.

Owner—W. W. Crocker, Crocker First National Bank Bldg., San Francisco.

Architect—Arthur Brown, Jr., 251 Kearny St., San Francisco.

Contractor—George Wagner, Inc., 181 South Park, San Francisco.

(1850) 1st report June 6, 1930. 14

Contract Awarded.

RESIDENCE Cost, \$12,000
REDWOOD CITY, San Mateo Co., Cal.

1225 Brewster Ave.
Frame and stucco residence (8 rooms,

2 baths, garage).
Owner—Clarence Wilkoff.

Architect—None.
Contractor—R. D. Squires, 9th Ave.,

Fair Caks, Redwood City.

Plans Being Figured.

RESIDENCE Cost, \$7000
SACRAMENTO, Sacramento Co., Cal.

St. Francis Oaks.
Owner—L. G. Lentz, 2548 41st St.,

Sacramento.
Architect—Dean & Dean, California

State Life Bldg., Sacramento.

Sub-Bids Wanted.

RESIDENCE Cost, \$5500
NORTH BURLINGAME, San Mateo

Co., Cal.
Two-story frame and stucco residence

Owner—Richard Minor, 1357 Columbus Ave., San Mateo.

Plans by Grimes & Schoening, Balovich Bldg., San Mateo.

Sub-bids are being taken on all portions of the work, excepting carpentry.

To Be Done By Day's Work By Owner
RESIDENCE Cost, \$10,000

OAKLAND, Alameda Co., Cal. SAV 60th Ave. and Eastlawn.

One-story frame and stucco residence (12 rooms; 4 family).

Owner and Builder—E. O. Griffiths, 1207 60th Ave., Oakland.

Plans by Owner.

Plans Being Figured.

RESIDENCES Cost, \$50,000
SAN FRANCISCO, Seaclyff District.

Three two-story and basement frame and stucco residences.

Owner—Allen & Co., 168 Sutter St., San Francisco.

Architect—Geo. McCrea, Hearst Bldg., San Francisco.

Moore & Madsen, 557 Market St., are figuring the plans.

June 26, 1930

Plans Being Figured.

RESIDENCE Cost, \$9000
SANTA CRUZ, Santa Cruz Co., Cal.

One and one-half-story frame and stucco residence (Spanish type).

Owner—L. W. Miller, Santa Cruz.

Architect—L. D. Esty, Alta Bldg., Santa Cruz.

(1740) 1st report May 27; 2nd June 3, 1930. 14

To Be Done By Day's Work.

RESIDENCE Cost, \$7900
SAN JOSE, Santa Clara Co., Cal.

Shasta St. near Park St.
One-story and basement frame and

stucco residence (6 rooms).
Owner and Builder—C. Maurer, 241

Locust St., San Jose.

Architect—None.

To Be Done By Day's Work.

RESIDENCE Cost, \$8000
SAN FRANCISCO, SW Hamilton and

Silliman Streets.
Two-story and basement frame and

stucco residence.
Owner and Builder—Clody Ravaglio

2602 San Bruno Ave., San Francisco.

June 26, 1930

Contract Awarded.
RESIDENCE Cost, \$6500

BERKELEY, Alameda Co., Cal. No. 505 Colusa Ave.

One-story frame and stucco residence (5 rooms).

Owner—S. Gayne, 932 York St., Oakland.

Architect—Williams & Wastell, 374 17th St., Oakland.

Contractor—H. Glynn, 6023 Colby St., Oakland.

(2094) 14

June 26, 1930

Date of Opening Bids Postponed Until June 27.

RESIDENCE Cost, \$20,000
SAN FRANCISCO, Pacific Avenue.

Two-story brick veneer residence.
Owner—Mrs. E. Lent, 2100 Jackson

St., San Francisco.

Architect—Erle J. Osborne, Balboa Bldg., San Francisco.

(6670) 1st report April 12; 5th June 17, 1930. 14

Plumbing Contract Awarded.
RESIDENCE Cost, \$25,000

SAN FRANCISCO, Broadway near Scott Street.

Two-story frame and stucco residence (14 rooms).

Owner—Julian Thorne.

Architect—Parr & Ward, 68 Post St., San Francisco.

Contractor—Taylor & Jackson, 290 Tehama St., San Francisco.

Plumbing—J. J. McLeod, 1246 Golden Gate Ave., San Francisco.

Other awards will be made shortly.

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RESIDENCE Cost, \$15,000
NAPA, Napa Co., Cal.
Two-story frame and stucco residence
(12 rooms, 3 baths, 3-car garage).
Owner—Withheld.
Plans by D. E. Jaekle, Call Bldg., San Francisco.
Contractor has been selected but the name is temporarily withheld.
(2013) 1st report June 19, 1930. 14

Plans Completed.
RESIDENCE Cost, \$15,000
OAKLAND, Alameda Co., Cal. Claremont District.
Two-story frame and stucco residence (8 rooms).
Owner—L. A. Schloss.
Architect—John E. Norberg, 580 Market St., San Francisco.
Contractor—Selected, Name Withheld.
Construction will start in about one week.
(1972) 1st report June 16, 1930. 14

Sub-Bids Being Taken.
RESIDENCE Cost, \$11,500
SAN FRANCISCO. San Aliso 100 S Darien Way.
Two-story and basement frame and stucco residence (8 rooms, 2 baths)
Owner and Builder—A. J. Herzog, 1945 Ocean Ave.
Plans by D. E. Jaekle, Call Bldg.
(2014) 1st report June 19, 1930. 14

Contract Awarded.
RESIDENCE Cost, \$12,000
BERKELEY, Alameda Co., Cal. 661 San Luis Road.
Two-story frame and stucco residence (7 rooms).
Owner—Robert E. Jones, 1810 San Ramon Ave., Berkeley.
Plans by Mr. Short.
Contractor—J. V. Short, 253 Ridge Rd., Berkeley.
(2100) 14

Plans Being Completed.
RESIDENCE Cost, \$10,500
SAN FRANCISCO. Westgate Dr. (Mt. Davidson Manor).
One-story frame and stucco residence (7 rooms, 2 baths).
Owner and Builder—G. W. Morris, 730 Athens St.
Plans by D. E. Jaekle, Call Bldg.
(2102) 14

Contract Awarded.
RESIDENCE Cost, \$—
HILLSBOROUGH, San Mateo Co.
Two-story frame and stucco residence (10 rooms).
Owner—J. D. Bromfield.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—G. W. Williams Co., 1404 Broadway, Burlingame

Sub-Bids Being Taken.
RESIDENCE Cost, \$22,000
BERKELEY, Alameda Co., Cal. Claremont Pines.
Two-story frame, stucco and brick veneer residence (single tile roof)
Owner—Dr. W. E. Mitchell, 2068 Allison Way, Berkeley.
Architect—Masten & Hurd, Shreve Bldg., San Francisco.
Contractor—J. P. Brennan, 2820 Regent St., Berkeley.
Will have oil burner furnace, hot air heating system, etc.

Contract Awarded.
RESIDENCE Cost, \$35,000
ATHERTON, San Mateo Co., Cal.
Two-story and basement frame and stucco residence (11 rooms).

Owner—Mark McCann, 26 Montgomery St., San Francisco.
Plans by E. Reichel, 303 University Ave., Palo Alto.
Contractor—Ralph Follmer, 465 Lytton, Palo Alto.

Contract Awarded.
RESIDENCE Cost, \$6000
OAKLAND, Alameda Co., Cal. E 106th Ave. S Bred St.
Two-story frame and stucco residence (6 rooms).
Owner—Leo Morton, 1504 Havenscourt, San Leandro.
Architect—None.
Contractor—Nylander Bros., 1610 Excelsior Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, \$9000
OAKLAND, Alameda Co., Cal. N Agnes St. W Proctor Ave.
Two-story and basement frame and stucco residence (7 rooms and garage).
Owner—Adelaide Girvin.
Architect—None.
Contractor—Leo J. Dolan, 316 17th St., Oakland.

To Be Done By Day's Work By Owner
RESIDENCES Cost each, \$6000
SAN FRANCISCO. W Manor Drive N Ocean Ave.
Two 1-story and basement frame and stucco residences.
Owner & Builders—F. Nelson & Sons, 2 West Portal Ave.
Plans by Owners.

To Be Done By Day's Work By Owner
RESIDENCES Cost each, \$5000
OAKLAND, Alameda Co., Cal. South Ynglaco E 48th Ave.
Four 1-story and basement frame and stucco residences (5 rooms each).
Owner and Builder—Walter Presler, 1419 Excelsior Ave., Oakland.
Architect—None.

Contract Awarded.
RESIDENCE Cost, \$8000
SAN FRANCISCO. N Bernard St. W Taylor St.
Two-story and basement frame and stucco residence.
Owner—Thos. T. Puchen, 28 Bernard.
Architect—None.
Contractor—John Cerda, 358 Vienna.

Sub-Contracts Awarded.
RESIDENCE Cost, \$—
SAN JOSE, Santa Clara Co., Cal.
Two-story frame and stucco residence (12 rooms).
Owner—J. Patton, San Jose.
Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Contractor—R. O. Summers, 17 N Market St., San Jose.
Brick Work—J. T. Baker, 1795 Lexington, San Jose.
Mill Work—Pacific Mfg. Co., 58 West Santa Clara St., San Jose.

Ornamental Iron—R. Hellwig, 577 W Santa Clara St., San Jose.
Plumbing—Wm. Serpa, 497 N 13th St., San Jose.
Wall Tile—Wm. Simpson, 46 W Julian St., San Jose.

Contract Awarded.
RESIDENCE Cost, \$9000
ALAMEDA, Alameda Co., Cal.
One-story and basement frame and stucco residence (7 rooms).
Owner—George Schroeder, 519 Central Ave., Alameda.
Plans by D. E. Jaekle, Call Bldg., San Francisco.
Contractor—J. J. Grodem, 1008 S Antonio St., Alameda.

To Be Done By Day's Work By Owner
RESIDENCE Cost, \$8500
ALAMEDA, Alameda Co., Cal. No 2970 Northwood Drive.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—C. Hansen, 1500 Santa Clara Ave., Alameda.
Plans by Owner.

Bids Opened—Held Under Advisement.
RESIDENCE Cost, \$30,000
HEALDSBURG, Sonoma Co., Cal.
Two-story brick veneer residence.
Owner—O. A. White.
Architect—Erle J. Osborne, Balboa Bldg., San Francisco.

Owner Taking Bids.
RESIDENCE Cost, \$20,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and stucco residence (10 rooms).
Owner—William Gross, 1003 El Camino Real, San Mateo.
Architect—Harold Stoner, 220 Third Ave., San Mateo.

Owner Taking Bids.
RESIDENCE Cost, \$12,000
BURLINGAME, San Mateo Co., Calif.
Hillsborough Oaks.
Two-story frame and stucco shingle roof residence (7 rooms; English type).
Owner—J. G. Mindlich, 1100 Balboa Ave., Burlingame.
Architect—Harold Stoner, 220 Third Ave., San Mateo.

Plans Being Prepared.
RESIDENCE Cost, \$35,000
STOCKTON, San Joaquin Co., Calif.
Five miles outside city limits.
Two-story and basement concrete residence (10 rooms; Italian type).
Owner—J. C. Mariano.
Architect—Enrli Cavasso, Balovich Bldg., San Mateo, and Stockton.
Bids will be taken from the Stockton office at a later date.

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Preparing Working Drawings
RESIDENCE Cost, \$15,000
SACRAMENTO, Sacramento Co., Cal.
45th Street.

Two-story brick veneer residence.
Owner—Chas. H. Carter, 1373 42nd
Ave., Sacramento.
Architect—Chas. F. Dean (formerly of
Dean & Dean), California State
Life Bldg., Sacramento.

Bids will be taken in about 2 weeks.

To Be Done By Day's Work By Owner
RESIDENCE Cost, \$10,000
BERKELEY, Alameda Co., Cal. No.
81 Northampton Road.

Two-story frame and stucco residence
(9 rooms).

Owner and Builder—Sam Steindell, 38
Northampton Road, Berkeley.
Plans by Owner.

Contract Awarded.
RESIDENCE Cost, \$6000
BERKELEY, Alameda Co., Cal. No.
2312 Webster Street.

One-story frame and stucco residence
(5 rooms).

Owner—J. P. Whalen, 324 Warrick
St., Oakland.
Architect—None.
Contractor—E. M. Williamson, 3761
Allendale Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, \$10,000
PALO ALTO, Santa Clara Co., Cal.
No. 1424 Hamilton Avenue.

One-story frame and stucco residence

Owner—W. H. Curtis, 1087 Ashby
Way, Palo Alto.
Architect—None.
Contractor—Aro & Operman, %
Owner.

Stone Contract Awarded.
RESIDENCE Cost, \$5000
FAIRFAX, Marin Co., Cal. Bothin
Road.

One-story rustic residence (5 rooms.)

Owner—Mrs. Charlotte M. Peters.
Plans by J. M. Walker.
Contractor—J. M. Walker, 1709 Grove
St., Berkeley.

Stone—J. Berretti, Fairfax.
Sub-bids are being taken on all
other portions of the work.

Contract Awarded.
RESIDENCE Cost, \$8000
BERKELEY, Alameda Co., Cal. No.
935 Shattuck Avenue.

Two-story frame and stucco residence
(6 rooms).

Owner—Ruth J. Lovett, 1290 Grove
St., San Francisco.

Plans by W. W. Dixon, 1844 Fifth
Ave., Oakland.

Contractor—Sam Steindell, 38 North-
ampton Road, Berkeley.

Contract Awarded.
RESIDENCE Cost, \$5000
EAST OAKLAND, Alameda Co., Cal.
Eastmont Tract.

One and one-half-story frame and
stucco residence (6 rooms; English
type).

Owner—Mrs. Dena.

Architect—F. H. Slocumbe, 85 Cam-
bridge Way, Oakland.

Contractor—S. B. Davis, 3773 Harri-
son St., Oakland.

Contract Awarded.
RESIDENCE Cost, \$5000
EAST OAKLAND, Alameda Co., Cal.
Eastmont Tract.

One and one-half-story frame and
stucco residence (6 rooms; English
type).

Owner—Mrs. Crane.

Architect—F. H. Slocumbe, 85 Cam-
bridge Way, Oakland.

Contractor—S. B. Davis, 3773 Harri-
son St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, \$8500
SAN FRANCISCO, N Jefferson St. W
Broerick.

Two-story and basement frame and
stucco residence.

Owner and Builder—Louis Franceschi,
125 Cervantes.

Architect—R. Irvine, Call Bldg.

Sub-Figures Being Taken.
RESIDENCE Cost, \$7000

BERESFORD, San Mateo Co., Cal.
One-story frame and stucco residence.

Owner—S. R. Glazer, San Mateo.

Architect—Enri Cavasso, 235 3rd Ave.,
San Mateo.

Contractor—Sierra Const. Co., 235 3rd
Ave., San Mateo.

Sub-Figures Being Taken.
RESIDENCE Cost, \$10,000

SAN MATEO, San Mateo Co., Calif.
Baywood Park.

Two-story frame and stucco residence.

Owner—Name Withheld.

Architect—Enri Cavasso, 235 3rd Ave.,
San Mateo.

Contractor—Sierra Const. Co., 235 3rd
Ave., San Mateo.

Plans Being Completed.
RESIDENCE Cost, \$7000

SACRAMENTO, Sacramento Co., Cal.
St. Francis Oaks.

One-story frame and stucco residence
(5 rooms).

Owner—J. G. Lentz, 2548 41st Street,
Sacramento.

Architect—Dean and Dean, California
State Life Bldg., Sacramento.

Bids will be taken in one week.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, \$—

WOODSILCO, San Mateo Co., Cal.
One-story frame and stucco residence
(12 rooms).

Owner—Leon Sloss, Jr., 2700 Broad-
way San Francisco.

Architect—W. W. Wurster, 260 Cali-
fornia St., San Francisco.

Contractor—Moore & Madsen, 557 Mar-
ket St., San Francisco.

Mill Work—Sunset Lumber Co., 400
High St., Oakland.

Electrical Work—Electric Heat Shop,
Rialto Bldg., San Francisco.

As previously reported, lumber con-
tract awarded to Sudden Lumber Co.,
Evans and Quirt Sts., San Francisco;

plumbing and sheet metal to Christian-
sen & Anderson, Palo Alto.

Plastering bids are being taken.

Plans Being Figured—Bids Close July
5th, 2 P. M.

RESIDENCE Cost, \$25,000

SAN JOSE, Santa Clara Co., Calif.
One-story frame and stucco residence.

Owner—O. A. Harlan.

Architect—Wolfe and Higgins, Realty
Bldg., San Jose.

Contract Awarded.
RESIDENCE Cont. Price, \$5900

SAN JOSE, Santa Clara Co., Calif.
Nagle Street.

One-story and basement frame and
stucco residence.

Owner—J. S. Mise, 97 N Market St.,
San Jose.

Architect—Wolfe and Higgins, Realty
Bldg., San Jose.

Contractor—Ira Brotzman, 5 Garfield,
San Jose.

To Be Done By Day's Work By Owner
RESIDENCE Cost, \$8000

SAN MATEO, San Mateo Co., Cal.
Lot 8 Blk 13, Benito Avenue.

One-story frame and stucco residence

Owner and Builder—Richard Minor,
1357 Columbus St., San Mateo.

To Be Done By Day's Work By Owner
PARISH HOUSE Cost, \$—

CARMEL, Monterey Co., Calif.
One-story frame and stucco parish
house with tile roof (6 rooms).

Owner—Community Church.
Architect—Swartz & Ryland, Spazier
Bldg., Monterey, 373 Main St., Sa-
linas, and Brix Bldg., Fresno.

Plans Completed.
RESIDENCE Cost, \$13,000

OAKLAND, Alameda Co., Cal. Clare-
mont Pines.

Two-story frame and stucco residence
(9 rooms; Spanish type).

Owner—B. A. Sifford, Security Ins. Co.
of New Haven, 114 Sansome St.,
San Francisco.

Architect—Harold Stoner, 220 Third
Ave., San Mateo.

Contractor—Selected, Name Withheld.

SCHOOLS

FAIRFIELD, Solano Co., Cal.—
Until July 14, 8 P. M., bids will be
received by E. L. Dearborn, Clerk,
Armijo Union High School District,
Fairfield, to install linoleum. Specifi-
cations obtainable from J. E. Brown-
lee, principal at High School Office.
Certified check of 10% required pay-
able to clerk.

Plans Completed.
SCHOOL Cost, \$—

CARMEL, Monterey Co., Cal.
One-story frame and stucco school (2
classrooms).

Owner—Carmel Grammar School Dist.
Architect—Swartz & Ryland, Spazier
Bldg., Monterey; 373 Main Sa-
linas and Brix Bldg., Fresno.

Bids will be advertised for shortly

INDEPENDENCE, Inyo Co., Calif.—
Until July 7, 8 P. M., bids will be re-
ceived by Katherine Krater, clerk,
Union High School, Owens Valley Union
High School District, for painting
high school, repairing plaster, roofing,
etc. Plans and further information ob-
tainable from clerk.

DANVILLE, Contra Costa Co., Cal.—
Until July 7, bids will be received by
Henry T. Miller, clerk, Danville Gram-
mar School District, to erect 1-room
addition to present school. Plans ob-
tainable from clerk at Danville.

LAS VEGAS, Nevada.—Until July 9,
10 A. M., bids will be received by E.
H. Hunting, secretary, Las Vegas
Union School District, Board of Edu-
cational District No. 2, to furnish and
install furniture and equipment for
high school in S 7th St. Specifications
and further information obtainable
from secretary, P. O. Box 338, Las
Vegas.

Plans Completed.
SCHOOL Cost, \$96,000

LOS ANGELES, Cal. 109th St. Site.
Fifteen unit Class C brick school (60x
200 feet).

Owner—Los Angeles Board of Educa-
tion.

Architect—A. S. Nibecker Jr., Los
Angeles.

Plans Approved.
SHOP Cost, \$165,000

REDONDO BEACH, Los Angeles Co.,
Cal. Diamond and Ileana Sts.

Reinforced concrete gymnasium and
reinforced concrete shop.

Owner—Redondo Beach Union High
School District.

Architect—Allison & Allison, Califor-
nia Reserve Bldg., Los Angeles.

To Be Done By Day's Work By Owner
ALTERATIONS Cost, \$8000

ALAMEDA, Alameda Co., Cal. No.
1101 Paru Street.

Remodel building for school.

Owner—City of Alameda.

Plans by Owner.

Plans Being Figured—Bids Close July 7th.
SCHOOL Cost, \$70,000
HOLLISTER, San Benito Co., Cal.
 Two-story brick and concrete school (tile roof, 12 rooms).
 Owner—Sacred Heart School (Rev. Daniel Keenan, pastor), Hollister.
 Architect—R. G. Montgomery, Chamber of Commerce Bldg., Los Angeles.

Sub-Bids Being Taken.
DORMITORY Cost, \$230,000
LOS ANGELES, Cal. 12,001 Chalon Road.
 Four-story class B reinforced concrete dormitory (91x276-ft.).
 Owner—Mt. Saint Mary's College, Inc.
 Architect—Mark Daniels, 10,601 Chalon Road.
 Contractor—Jack Brennan, Biltmore Hotel, Los Angeles.

Plans Being Prepared.
ALTERATIONS Cost, \$10,000
NORTH SACRAMENTO, Sacramento Co., Cal.
 Alterations and additions to present grammar school
 Owner—North Sacramento School District.
 Architect—Chas. F. Dean, California State Life Bldg., Sacramento.

Preparing Plans
SCHOOL Cost, \$70,000
SAN BERNARDINO, Cal. South section.
 Junior High School (accommodate 250 pupils).
 Owner—San Bernardino Board of Education.
 Architect—Eugene K. Martin, Fleming Bldg., San Bernardino.

LAGUNA BEACH, Orange Co., Cal.
 —A. B. Marshall, president of the Laguna Beach Chamber of Commerce.
 Roy W. Peacock and Mrs. May Bishop are members of committee recently appointed to work out a plan for withdrawing Laguna Beach High School District from Tustin High School District. It is proposed to establish the high school in the present grammar school plant and erect two new grammar schools, one in the Arch Beach District and the other in the McKnight Section.

Plans Being Figured—Bids Close July 16, 10 A. M.
ADDITION Cost, \$—
HAYWARD, Alameda Co., Cal. Sota Road and Orchard Ave.
 Addition to John Muir School.
 Owner—Hayward School District.
 Architect—E. P. Whitman, 192 Main St., Hayward.
 Certified check 10% payable to district required with bid. Plans obtainable from architect on deposit of \$10, returnable.
 See call for bids under official proposal section in this issue.

Preparing Working Drawings.
SCHOOL Cost, \$20,000
WESTLEY, Stanislaus Co., Cal.
 One-story Class C brick or concrete elementary school (Spanish type).
 Owner—Grayson School District.
 Architect—Davis-Pearce Co., Grant and Weber Sts., Stockton.
 Bids will be taken in about forty-five days.

Low Bidder.
SCHOOL Cost, \$35,000
 (in bonds voted to finance)
FORTUNA, Humboldt Co., Cal.
 One-story concrete school.
 Owner—Fortuna School District.
 Architect—N. R. Coulter, 46 Kearny St., San Francisco.
 Low Bidder—Frank Johnson, Arcata.

Bids Opened.
ADDITION Cost, \$150,000
SAN JOSE, Santa Clara County, Cal.
 Roosevelt High School.
 One-story reinforced concrete high school addition.
 Owner—San Jose School District.
 Architect—W. H. Weeks, Hunter-Dunham Building, San Francisco; 1736 Franklin St., Oakland, and Bank of Italy Bldg., San Jose.
 Following is a complete list of bids:

General Work
 E. Nommensen, 28 N First St., San Jose \$116,171
 Sjoberg & Sons, San Francisco 116,916
 Carl N. Swensen, San Jose 116,950
 The Minton Co., Mt. View 117,887
 J. W. Cobby & Son, S. F. 118,000
 W. J. Och, San Jose 118,366
 E. T. Lesure, Berkeley 118,660
 Monson Bros., San Francisco. 120,850
 Frank Edmans, San Jose 128,228

Glass
 Garden City Glass Co., 762 Lenzen St., San Jose \$1,842
 W. P. Fuller Co., San Francisco 1,888
 East Bay Glass Co., Oakland 2,337
 Cobbleck-Kibbe Glass Co., S. F. 2,420
 Arthur Goepf, San Francisco 2,929

Painting
 Patterson Bros., 494 36th St., Oakland \$ 7,260
 Paoli Co., San Francisco 7,880
 Raphael Co., San Francisco 8,860
 W. C. Hermann, San Jose 11,000
 C. W. Lynd, San Jose 11,942

Plumbing
 Hatley & Hatley, Sacramento \$19,546
 J. W. Turner Co., San Jose 19,566
 Carl T. Doell, Oakland 20,248
 Wm. Ehler, San Jose 22,948
 C. J. Peters, San Jose 23,500
 Wm. Serpa, San Jose 24,625
 H. J. Pascoe, San Jose 25,672

Sheet Metal
 Superior Metal Products Co., 4400 Market St., Oakland \$4,258
 Forderer Corncorn Works, S. F. 4,630
 W. Ehler, San Jose 4,744
 Wm. Serpa, San Jose 4,777
 A. J. Peters, San Jose 5,355
 East Bay Sheet Metal Works, Oakland 5,820
 H. J. Pascoe, San Jose 7,699
Heating and Ventilating
 A. J. Peters, 455 E Washington St., San Jose \$31,663
 Wm. Serpa, San Jose 33,900
 Scott Co., San Francisco 34,265
 San Jose Heating & Ventilating Co., San Jose 35,832
 Hatley & Hatley, Sacramento 35,847
 J. W. Turner, San Jose 37,347
 H. J. Pascoe, San Jose 38,000
 Carl T. Doell, Oakland 39,857

Plastering
 W. G. Newman, San Jose \$11,285
 J. Provenzano, San Jose 13,155
 W. A. Gould, Mt. View 13,796
 J. Caccamo, San Jose 15,887
 J. Greenback, San Francisco 16,800
 J. Bridges, San Jose 14,490
 P. Donnelly, Oakland 14,987
 McGruber Co., San Francisco 15,636
 Chas. and J. Terranova, S. F. 16,418
 A. Knowles, San Francisco 16,629

Tile
 Rigney Tile Co., 3012 Harrison St., Oakland \$2,320
 Art Tile & Mantel Co., S. F. 2,730
 T. H. Price Co., San Jose 2,817

Ornamental Iron
 San Jose Iron Works, 535 W San Carlos St., San Jose \$1,875
 R. Hellwig, San Jose 2,096
 Michel & Pfeiffer Iron Works, San Francisco 2,800
 C. J. Hillard Co., San Francisco 3,113

Finish Hardware
 Payne Hardware Co., 85 E Santa Clara St., San Jose \$2,398
 San Jose Hardware Co., San Jose 2,842
 Maxwell Hardware Co., Oakland 3,971

Electrical Work
 Webb & Fleming, 368 E Julian St., San Jose \$9,325
 Guilbert Bros., San Jose 9,590
 Roy Butcher, San Jose 9,814

Roofing
 Bush Roofing Co., St. Claire Bldg., San Jose (a) \$3,227; (b) \$3,369.
 W. J. Porter, San Jose (a) \$3,450; (b) \$3,375.
 Alta Roofing Co., San Francisco (a) \$4,444; (b) \$4,421.
 Fred Hayden, San Jose (a); (b) \$4,650.

Linoleum and Shades
 Lion & Son, 2nd and San Fernando Sts., San Jose, (1) \$2,851; (2) \$1,296.
 McKenley-Glans Furn. Co., San Jose (1) \$2,967; (2) \$1,415.

Special Fixtures
 Brass-Kuhn Co., 1917 Bryant St., San Francisco \$12,950
 Home Nfg. Co., San Francisco. 13,387
 Fink & Schindler, S. F. 13,953

Kitchen Equipment
 Dohrmann Hotel Supply Co., 972 Mission St., San Francisco \$ 7,880
 Mangrum-Holbrook, S. F. 9,424
 Brass & Kuhn, San Francisco 10,000

Lockers
 Berger Mfg. Co., S. F. (1) \$1,142; (2)
 Winton-Marshall Co., San Jose (1) \$1,273; (2)
 Worley & Co., S. F. (1) \$1,432; (2)
 C. J. Waterhouse, S. F. (1) \$1,441; (2)

Lyons Metal Prod. Co., S. F. (1) \$1,235; (2)
 Schick Co., S. F. (1) \$905; (2)
 Patterson & Williams, S. F. (1); (2) \$4,213.

Bids held under advisement.
 List of alternates can be had at our office, phone Garfield 8744.

RICHMOND, Contra Costa Co., Cal.
 —Following bids received by W. T. Helms, secretary, Richmond Union High School District, Lincoln School, 235 10th St., for painting of certain school buildings:
 (1) Lincoln and Washington Schools;
 (2) Kensington School; (3) Roosevelt School; (4) 22nd Street building at Longfellow; (5) Domestic Science bldg. at Longfellow; (6) total for 3, 4 and 5.
 Lambert and Lambert, Richmond, (1) \$2,250; (2) \$750; (3) \$6,050; (4) \$750; (5) \$950; (6) \$7,751.
 J. J. Burdon, Stockton (1) \$2,236; (2) \$560; (3) \$3,226; (4) \$572; (5) 450; (6) \$4,245.
 Paterson Bros., (1) \$2,360; (2) \$280; (3) \$3,350; (4) \$637; (5) \$311; (6) \$4,709.
 W. G. Thompson, (1) \$3,873; (2); (3) \$3,700; (4) \$1,259; (5) \$1,231; (6)
 Chas. Swartout and B. A. Marshall, (1) \$4,151; (2) \$369.
 Bids held under advisement.

Contract Awarded.
ADDITION Cont. price, \$3800
SAN LEANDRO, Alameda Co., Calif.
 Washington School.
 Hollow tile and brick addition to school.
 Owner—San Leandro School District.
 Architect—J. J. Donovan, 1916 Broadway, Oakland.
 Contractor—Chester A. Gossett, 327 Davis Court, Oakland.

Plans Being Figured—Bids Close July 7
GYMNASIUM Cost, \$7—
COSTA MESA, Orange Co., Cal.
 One-story frame and stucco gymnasium and one-story frame shop (70x90 ft. and 60x15 ft.).
 Owner—Newport Harbor Union High School District.
 Architect—Marsh, Smith & Powell, Architects Bldg., Los Angeles.

Plans Being Completed.
SCHOOL Cost, \$35,000
HILLSBOROUGH, San Mateo Co., Cal.
 One-story frame and stucco school.
 Owner—Hillsborough School District.
 Architect—Wills Polk Co., 277 Pine St., San Francisco.
 Bids will be taken in about thirty days.

RICHMOND, Contra Costa Co., Cal.—J. J. Burdon, 1426 MacDonald Ave., Richmond, at \$6484 awarded contract by Richmond Union High School District, Lincoln School, 235 10th St., for painting certain school buildings.

Working Drawings Being Prepared.
SCHOOL. Cost, \$150,000
ANTIOCH, Contra Costa Co., Cal. (15 acre site) D Street.
Two-story brick high school.
Owner—Antioch Live Oak High School District.
Architect—Davis-Pearce Co., Grant and Weber Sts., Stockton.
Bids will be taken in 45 days.

SAN JOSE, Santa Clara Co., Cal.—Following bids received by Board of Education for painting Lincoln School at corner of Almaden and Auersals Avenues:

A. B. C. Painting Co., 212 Tara St., San Francisco, \$1,331; Wm. Herman, \$1,500; C. W. Lynds, San Jose, \$1,635; Patterson Bros., Oakland, \$1,690; Geo. E. Lenzen, \$1,823; Geo. McKee Co., San Jose, \$1,832; Deiter Decorating Co., San Francisco, \$1,850. Bids held under advisement.
(1756) 1st report June 2, 1930. 15

June 20, 1930
Bids Opened.
SCHOOL. Cost, \$60,000
SAN JOSE, Santa Clara County, Cal. (Garden School).
One-story frame and stucco school (12 classrooms).
Owner—San Jose School District.
Architect—Warren Skillings, Garden City Bank Bldg., San Jose.
Following is a complete list of bids:

General Work
The Minton Co., Mt. View and Palo Alto \$38,983
Paul Anderson, San Jose 40,782
Frank Neves, San Jose 41,983
D. J. Eyron, San Jose 42,287
Smith & Sides, San Jose 42,500
N. J. Nielsen, San Jose 42,770
Magna & Newell, San Jose 43,550
Carl N. Swensen, San Jose 44,178
George Honore, San Jose 45,570
Thermolite Const. Co., San Jose 45,855
Heating
A. J. Peters, 455 E Washington St., San Jose \$5,900
Pacific Heating & Ventilating Co., Oakland 6,100
Wm. Scrpa, San Jose 6,150
San Jose Heating & Ventilating Co., San Jose 6,251
J. W. Turner, San Jose 6,772
H. J. Pascoe, San Jose 6,819
Bids held under advisement.

Contract Awarded.
DORMITORY. Cost, \$230,000
LOS ANGELES, Cal. 12,001 Chalon Road.
Four-story Class B reinforced concrete dormitory (63x225 ft.)
Owner—Mt. Saint Mary's College, Inc.
Architect—Mark Daniels, Bel Air.
Contractor—Jack Brennan, Biltmore Hotel, Los Angeles.

HEATING PLANT. Cost, \$14,150
SAN JOSE, Santa Clara Co., Cal. The Alameda (Hester School).
Steam heating plant at school.
Owner—San Jose School District.
Architect—Ralph Wyckoff, Growers Bank Bldg., San Jose.
Contractor—O'Mara & Stewart, 218 Clara St., San Francisco.

June 21, 1930
Plans Being Figured.
SCHOOL. COST, \$20,000
YOUNTVILLE, Napa Co., Cal.
One-story three-classroom hollow tile Spanish type school.
Owner—Yountville School District.
Architect—Coffman, Sahlgren & Stafford, Forum Bldg., Sacramento, and 3529 Emerson St., Oakland

Sub-Contracts Awarded.
SCHOOL. Cont. Price, \$20,000
MENDOCINO, Mendocino Co., Cal.
One-story redwood rustic school (5 classrooms, administration offices, etc.).

Owner—Mendocino School District.
Architect—Davis-Pearce Co., Grant and Weber Sts., Stockton.
Contractor—Carl Nelson, 1421 E. Channel St., Stockton.
Lumber and Mill Work—Mendocino Lumber Co.
Painting—D. E. Burgess, 602 S. Center St., Stockton.
Finish Hardware—Austin Bros., Stockton.

Reinforced Steel—Soule Steel Co., 912 Rialto Bldg., San Francisco.

Sheet Metal Work—Ed. Holtz, Santa Rosa.

Plumbing and Heating—H. W. Salls, Ukiah.

Rough Hardware—Mendoza Bros., Mendocino.

Electric Wiring and Fixtures—Eddie Elec. Co., Stockton.

The blackboards and window shades are not let as yet.

Sub-Contracts Awarded.
ADDITION. Cost, \$650,000
SAN FRANCISCO. Fell St. and Baker Street.

Addition to present class A hospital.
Owner—Southern Pacific Railroad Co., 65 Market St.

Architects—Alfred I. Coffey and Martin J. Rist, Phelan Bldg.
Contractor—Barrett & Hilp, 918 Harrison Street.

Plastering—Jas. Smith, 271 Minna St.
Mill Work—Anderson Bros. Planing Mill, Quint and Custer Sts.

Lockers—Worley & Co., 39 Natoma Street.

Lavatory Stalls—Dwan & Co., 534 6th Street.

As previously reported, plumbing, heating and electric work awarded to Frank J. Kimm, 456 Ellis St.; brick work to Hook & Hoffmeyer, 666 Mission St.; reinforcing steel to Pacific Coast Steel Co., 111 Sutter St.; steel plans to Steelform Contracting Co., Monadnock Bldg.; lumber to Rolando Lumber Co., 301 Berry St.; excavation to Piombo Bros., 1269 4th St.; ornamental iron to Seiple Ornamental Iron Works, 1079 Folsom St.

Plans Being Figured—Bids Close July 7, 4 P. M.

ALTERATIONS. Cost, \$—
LIVE OAKS, Sutter Co., Cal.
Alterations and additions to school.
Owner—Live Oak Elementary School District, U. S. Terry, clerk, Live Oak.
Architect—Chester Cole, 303-304 First National Bank Bldg., Chico.

Plans may be seen at the office of County Superintendent of Schools, Mrs. Minnie M. Gray, Yuba City, or at the architect's office. Certified check of \$100 required.

Plans Being Figured—Bids Close July 14, 7:30 P. M.

BUILDING. Cost, \$—
BAKERSFIELD, Kern Co., Cal.
Auditorium and classroom building (Section two).
Owner—Kern County Un. High School District (William Gleason, clerk), Bakersfield.

Architect—Charles H. Biggar, 405-406 Bank of Italy Bldg., Bakersfield.
Separate bids will be received for plumbing, electric, heating and ventilating. Plans obtainable from above architect on deposit of 10, returnable. Certified check of 10% required.

See call for bids under official proposal section in this issue.

LONG TREE, Butte Co., Cal.—Until July 7, 12 noon, bids will be received by E. W. Abbey, clerk, Lone Tree School District, to construct school building. Cost, \$1,250. Plans obtainable from above clerk. Certified check of 10% required.

Plans Being Prepared.
ALTERATIONS. Cost, \$2500
FORT BRAGG, Mendocino Co., Cal.
Alterations to school auditorium (enlarge stage, new dressing rooms, etc.)
Owner—Fort Bragg Elementary School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Bids will be taken in two weeks.

Plumbing and Heating Contracts Awarded.

GYMNASIUM. Cost, \$225,000
PALO ALTO, Santa Clara Co., Calif.
Stanford University Campus.

Steel frame and reinforced concrete gymnasium building (300x250-ft.)
Architect—John Bakewell and Arthur Brown, Jr., 251 Kearny St., San Francisco.

Contractor—George Wagner, Inc., 131 South Park, San Francisco, \$182,446.

Plumbing—James H. Pinkerton, 927 Howard St., San Francisco.

Heating—O'Mara & Stewart, 218 Clara St., San Francisco.

As previously reported, structural steel awarded to McClintic-Marshall, 2050 Bryant St., San Francisco; reinforcing steel to Concrete Eng. Co., 1230 Indiana St., San Francisco.

BANKS, STORES & OFFICES

Plans Being Figured.
AUTO SALES BLDG. Cost, \$—
LOS ANGELES, Cal. Fourth St., bet. Figueroa and Flower Sts.
One-story Class C brick auto sales and service building (180x183 ft.)
Owner—Western Autowash Ltd.
Architect—Morgan, Walls & Clements, Van Nuys Bldg., Los Angeles.

Plans Being Figured—Bids Close July 7, 8 P. M.

SCHOOLS. Cost, Approx. \$15,000
BERKELEY, Alameda Co., Cal. Bancroft Way.

Two one-story frame temporary schools (9 classrooms, science and drawing room).

Owner—Berkeley Board of Education
Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.

Plans Being Prepared.
STORE. Cost, \$20,000
MERCED, Merced Co., Cal. W 17th St. bet. L and M Sts.
Two-story, basement and mezzanine floor concrete and tile store (50x150-ft.)
Owners—W. J. and J. R. Flynn, Merced.
Engineer—W. E. Bedesen, Merced.
Lessee—Merced Hardware Co.

Planned.
STORE. Cost, \$200,000
SPOKANE, Washington.
Four-story, basement and sub-basement Class C brick store.
Owner—S. H. Kress Co., Western Pacific Bldg., Los Angeles.
Architect—Eng. Dept. of Owner.

Plans Being Prepared.
STORE, ETC. Cost, \$17,000
NEWMAN, Stanislaus Co., Cal.
One-story brick and hollow tile store and warehouse (50x125 feet).
Owner—A. M. Souza.
Architect—Hardman & Russ, Berkeley Bank Bldg., Berkeley.

Plans will be ready for bids in about three weeks.

Plans Completed.
OFFICE BLDG. Cost, \$1,250,000
LOS ANGELES, Cal. NW First and
Spring Streets.
Limit height Class A steel frame,
terra cotta and granite state office
building.
Owner—State of California.
Architect—John C. Austin and F. M.
Ashley, Chamber of Commerce
Bldg., Los Angeles.
About 1800 tons of steel will be
used in proposed structure.

Contract Awarded.
ALTERATIONS Cost, \$15,000
OAKLAND, Alameda Co., Calif. 287
23rd Street.
Alterations and additions to present
building.
Owner—E. B. Clegg, 144 Grand Ave.,
Oakland.
Architect—None.
Contractor—A. H. Rose, 478 25th St.,
Oakland.

Plans Completed
ADDITIONS Cost, \$12,000
SAN FRANCISCO. S Harrison St., E
Fourth Street.
Two-story concrete addition to build-
ing.
Owner—Milo Coffee Company.
Engineer & Builder—James Hjul, 123
Russ St., San Francisco.
Sub-bids will be taken in one week.

Construction Postponed.
OFFICES Cost, \$45,000
SAN MATEO, San Mateo Co., Cal.
San Mateo Drive off Third Ave.
Two and one-half-story Class C con-
crete and wood office and studio
building (bungalow on roof, etc.)
Owner & Builder—Sierra Constr. Co.,
235 Third Ave., San Mateo.
Plans by Enri Cavasso, 235 Third
Ave., San Mateo.

Contract Awarded.
ALTERATIONS Cost, \$—
SAN JOSE, Santa Clara Co., Calif.
Alterations to present building.
Owner—Kocher's Jewelry Store, 2nd
and San Fernando, San Jose.
Architect—Ralph Wyckoff, San Jose
National Bank Bldg., San Jose.
Contractor—T. H. Hershbach, Twohy
Bldg., San Jose.
Construction has just been started.

MODESTO, Stanislaus Co., Cal.—
Construction will be started shortly
by J. H. Betker, formerly of Van
Nuys, Calif., and now of Modesto, on
a two-story drive-in market building,
100 by 125 feet, at Fifth and I Sts.;
estimated cost \$15,000.

Contract Awarded.
EXCHANGE Cost, \$15,000
CARSON CITY, Nevada.
One-story frame and stucco telephone
exchange (25x40-ft.)
Owner—Pacific T. & T. Co., 140 New
Montgomery St., San Francisco.
Architect—Eng. Dept. of Owner.
Contractor—Walker Boudwin Const.
Co., Reno.

Plans Complete.
ALTERATIONS Cost, \$150,000
SAN FRANCISCO. Hunter-Dulin Bldg.
111 Sutter St.
Remodel present building.
Owner—Hunter-Dulin Bldg., (A. Gar-
rison, Mgr.), 111 Sutter St.
Architect—Earl T. Heltschmidt, 807
Subway Terminal Bldg., Los Ange-
les.

The work will include two new ele-
vators, elevator enclosures, art metal
work, marble and tile work, skylights,
terra cotta work, composition roofing,
metal sash, etc. Bids will be called
for by Mr. Garrison in about 1 week.

Preparing Working Drawings.
ALTERATIONS Cost, \$—
SANTA ROSA, Sonoma Co., Cal.
Alterations to present one-story brick
store.
Owner—National Dollar Store, San
Francisco.
Architect—Bernard Joseph, 74 New
Montgomery St., San Francisco.
Bids will be taken some time in July

Contract Awarded.
ERICK BLDG. Cost, \$10,000
SAN FRANCISCO. S Bay St. E Jones
One-story Class C brick building.
Owner—Commercial Center Realty
Co., 916 Kearny St., San Francisco
Architect—H. C. Baumann, 251 Kear-
ny St., San Francisco.
Contractor—Ralph McLeran & Co.,
Hearst Bldg., San Francisco.

Commissioned To Prepare Plans
SCHOOL Cost, \$84,600
LOS ANGELES, Cal. Horace Mann
Junior High School.
Twelve unit school.
Owner—Los Angeles Board of Educa-
tion.
Architect—Edelman & Zimmerman,
H. W. Hellman Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL Cost, \$84,000
LOS ANGELES, Cal. Ritter School
Site.
Twelve unit school.
Owner—Los Angeles Board of Educa-
tion.
Architect—A. S. Nibecker Jr., Los An-
geles.

BEVERLY HILLS, Los Angeles Co.,
Cal.—California & America Corp.,
Ernest Sweet, president, 1333 Santa
Monica Blvd., Beverly Hills, purchas-
ed property on Ivar Ave., north of
Hollywood Blvd., on which it proposes
erecting height-limit building. It is
expected that construction will be
started upon completion of Ivar Ave.
widening and repaving program. Ar-
chitect not retained.

Contract Awarded.
STORE Cost, \$425,000
SAN JOSE, Santa Clara Co., Cal.
First and San Carlos Sts.
Three-story Class C reinforced con-
crete department store.
Owner—Hale Bros., Fifth and Market
Sts. San Francisco.
Architect—Binder & Curtis, 35 W.
San Carlos St., San Jose, and
Swanson & Lane, Chicago, Ill.
Contractor—Dinwiddie Constr. Co.,
Crocker Bldg., San Francisco.
K. E. Parker submitted second low-
est bid.

Plumbing and Electrical Contracts
Awarded.
ALTERATIONS Cost, \$30,000
BAKERSFIELD, Kern County, Calif.
Southern Hotel Building.
Alterations and additions to four-story
Class C brick bank.
Owner—Bank of Italy.
Architect—H. A. Minton, Bank of
Italy Bldg., Eddy and Powell Sts.,
San Francisco.
Supt. of Const.—E. P. Worley, Bank
of Italy Bldg., San Francisco.
Plumbing—Bakersfield Plumbing Co.,
Bakersfield.
Electrical Work—Bakersfield Electric
Co., Bakersfield.

Work involves changing and enlarg-
ing bank quarters and installing re-
frigerating and ventilating system,
bronze screens and Travemelle marble
work. Cost, \$50,000.

Plans Being Prepared.
SHOPPING CENTER Cost, \$750,000
LONG BEACH, Los Angeles Co., Cal.
Fifth St. and American Ave.

Two-story brick and concrete shop-
ping center building with limit
height tower and two wings (200x
250 ft.)
Owner—Grand American Market, Ltd.,
Edward A. Bixby, President.
Architect—Dedrick & Bobbe, Heart-
well Bldg., Long Beach.

Contract Awarded.
STORE Cost, \$150,000
OAKLAND, Alameda Co., Cal. 20th
St. and Broadway.
Three-story class A store.
Owner—J. Maginn & Co., Grant Ave.
and Geary St., San Francisco.
Architect—Weeks and Day, Financial
Center Bldg., San Francisco.
Contractor—Chas. Heyer, Mills Bldg.,
San Francisco.

To Be Done By Day's Work.
STORE Cost, \$10,000
SAN FRANCISCO. N O'Farrell St. W
Hyde St.
Owner and Builder—John Seale, 2475
Pacific Ave.
Architect—None.

Preparing Working Drawings.
ALTERATIONS Cost, \$—
ANTIOCH, Contra Costa Co., Cal.
No. 601 Second Street.
Alterations and additions to present
two-story reinforced concrete
building.
Owner—First National Bank, Ant-
ioch.
Architect—Arthur Johnson, State
Hotel, 18 Turk St., San Francisco.
Engineer—W. W. Wethered, State
Hotel, 18 Turk St., San Francisco.
Bids will be taken for a general
contract in one week.

THEATRES

SANTA BARBARA, Cal.—Warner
Brothers Downtown Holding Com-
pany will improve four Santa Barbara
motion picture theatres recently ac-
quired by the company. Granada
and California Theatres will be re-
decorated, recarpeted and refurbished
and Rose and Mission Theatres im-
proved.

Plans Being Prepared.
ALTERATIONS Cost, \$150,000
SAN FRANCISCO. O'Farrell St. near
Powell (old Hippodrome).
Owner—Rodney and Lloyd Pantages.
Architect Not Given.

Preparing Plans.
THEATRE Cost, \$300,000
WEST LOS ANGELES, Cal. West-
wood Village.
Reinforced concrete theatre (to seat
2000).

Owner—Janns Investment Co.
Architect—P. O. Lewis, Westwood
Bldg., West Los Angeles.
Lessee—Fox West Coast Theatres,
Inc.

Preparing Plans.
THEATRE Cost, \$300,000
SANTA BARBARA, Santa Barbara
Co., Cal. Old Arlington Hotel Site
Class A theatre (to seat 1200).
Owner—Guaranty Discount Corp.
Architect—Edwards & Plunkett, 20
E. Figueroa St., Santa Barbara.

Plans Being Figured.
THEATRE Cost, \$—
BEVERLY HILLS, Los Angeles Co.,
Cal.
Class A reinforced concrete and steel
theatre (to seat 2500).
Owner—Warner Bros. Pacific States
Theatres.
Architect—B. Marcus Priteca, War-
ner Bros. Downtown Theatre
Bldg., Los Angeles.

WHARVES AND DOCKS

Contract Awarded.
WHARF Cost, \$—
SAN FRANCISCO. 300 feet NW of present Wharf No. 4 at Ft. Mason. Reinforced concrete wharf.
Owner—City Park Commission, Golden Gate Park.
Plans by Commission.
Contractor—M. B. McGowan, 74 New Montgomery St.
Following is a complete list of bids:
M. B. McGowan.....\$30,357
Healy-Thibbitts Const. Co.....\$3,155
A. W. Kitchen.....\$4,215
Dun—Wanson—Harrelson Co.....\$5,539

MISCELLANEOUS CONSTRUCTION

Preliminary Estimates & Studies Being Made.
MAUSOLEUM Cost, \$5,000,000 to \$15,000,000
SAN FRANCISCO. National Cemetery.
Reinforced concrete mausoleum with marble and bronze interior (400 ft. square; 200,000 crypts approx.; crematory, chapel and elevators).
Owner—United States Government.
Architect—Constructing Quartermaster, Fort Mason.
Will be constructed in units over a period of 20 years.

Plans Being Prepared.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. Sacramento Street bet. Van Ness Ave. and Polk St.
Three-story frame and stucco undertaking establishment and apartments.
Owner—Joseph Hagan, 1708 Sacramento St.
Architect—Henry C. Smith, Humboldt Bank Bldg.

Owner Taking Bids.
UNDERTAKING ESTABLISHMENT Cost, \$20,000
SAN FRANCISCO. Valencia and Twenty-fifth Sts.
Two-story frame and stucco undertaking establishment.
Owner—Anderson Funeral Parlor, 13577 Valencia St., San Francisco.
Architect—Clausen & Amandes, Hearst Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, \$40,000
SAN FRANCISCO. Sacramento Street bet. Van Ness Ave. and Polk St.
Three-story frame and stucco undertaking establishment and apts.
Owner—Joseph Hagan, 1708 Sacramento St.
Architects—Henry C. Smith and A. R. Williams, Humboldt Bank Bldg.

BUSINESS OPPORTUNITIES

Names and addresses of persons or firms concerned in these opportunities will be furnished on request to Business Opportunity Department, Larsen Advance Construction Reports, 547 Mission St., San Francisco, or phone GARfield 8744.
20219—Oakum. San Francisco, California. Swedish manufacturer of plumbers' oakum wishes connections.
20220—Representation. San Francisco, Calif. Consulting engineer is leaving for a stay of at least three months in London, in July. Has been a resident of San Francisco for ten years and is also well-acquainted in England. Wishes to act for local firms desiring to make trade connections in England. Open for appointment. References.
20228—Brass Products. Los Angeles, Calif. German metal factory manager is anxious to get in touch with exporters of raw copper, copper

bars, electrolyt copper in wire bars, and scrap copper wire.

D-3490—Representation. New York City. Party anxious to secure agency in New York of San Francisco concern.

D-3491—Machine Shop. Chicago, Illinois. Eastern concern manufacturing speed reducers (installed between motors and power-driven machines) desires to make contact with local machine shop so that product can be assembled, stocked, shipped and serviced. Will consider purchase of machine shop if terms can be satisfactorily arranged to handle product.

D-3493—Agency. Boston, Mass. Manufacturers' agents desirous of making connections with concerns interested in representation in New England.

D-3494—Representative. Los Angeles, Calif. Party is desirous of securing agency of any staple line. Prefer territory of Salt Lake City and surrounding communities.

D-3495—Distributor. New York City. Party anxious in securing agency or distribution quarters for the sale of any product. Qualifications as to integrity and character on file.

D-3496—Woven Felt. Unionville, Conn. Manufacturers of woven felt are desirous of contacting western concern interested in handling their commodity.

D-3498—Water Boilers. Watertown, Wisconsin. Executive of a concern that specializes in the conditioning of water is anxious to make connections with San Francisco firm. Also wants a reliable firm who would be interested in the manufacture and sales of a newly-devised boiler.

Mr. C. M. McCann, sales manager, Crawford Door Co., 7881 Conant Ave., Detroit, Michigan, wishes to establish sales and installation agency in San Francisco.

Mr. T. J. Keefe, sales manager, Detroit Metal Specialty Corp., 1651-1671 Beard Ave., Detroit, Mich., manufacturers of metal stampings, wish to make connections with an experienced stampings salesman in San Francisco.

AGRICULTURE USING MORE ELECTRICITY AS POWER SOURCE

Of the 1,299,095 users of electricity for all purposes in California last year, 4.1 per cent were listed as using current for agricultural power purposes. The number of farmers thus using electricity was 53,401, a gain of 3.8 per cent over 1928. These figures are announced by Prof. B. D. Moses, of the University of California Agricultural Engineering Division, and secretary of the California Committee on the Relation of Electricity to Agriculture.

The total of kilowatt hours used in the state for all purposes in 1929 was 6,158,954,901; the total for agricultural power was 1,118,845,023, or 18.1 per cent. This is a gain of 17 per cent over the previous year.

Revenue received by power companies for current sold for agricultural power showed a gain of 10.6 per cent last year over the year before. Farmers paid \$15,825,570.74 for electricity for power purposes, which is 14.1 per cent of the total paid by all users in the state, \$112,637,742.28.

RECORD PAVEMENT AWARDS FEATURE OF CONSTRUCTION

Reflecting the new high record of concrete surface pavement awards established in April, the volume of construction performed during May increased 30 points above the level of the former month, reaching an index figure of 176, the Associated General Contractors of America announce in a statistical compilation just completed.

The record-breaking pavement awards, which for the first four months of 1930 totaled 45,750,000 square yards, and were running 37 per cent above those for the same period last year, together with the unprecedented large volume of long-term state and municipal bond issues are taken by E. J. Harding, assistant general manager of the Associated General Contractors, as a trust-worthy barometer of the new high levels which public works and engineering construction are certain to reach in 1930.

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The only daily construction newspaper affording complete coverage of the construction activities in Central and Northern California — featuring work contemplated, bids wanted, bids opened, contracts awarded, sub-bids wanted and sub-contracts let on all types of building construction; bridges, dams and harbor works, irrigation projects; machinery and equipment; water works and supplies; business opportunities; building permits; building contracts, mechanics' liens; acceptances, etc., etc.

Keep informed on construction developments in Central and Northern California, and the major projects in Southern California, the states of Oregon, Washington, Nevada and Arizona.

Engineering News Section

BRIDGES

SANTA FE, New Mexico—E. J. Maloney, Gallup, N. M., submitted low bid to the New Mexico State Highway Department at \$234,819.15 for improvement work under P. A. P. No. 149. This proposal is for the construction of Federal Aid Project No. 149, located on U. S. Road No. 666 in San Juan County between Shiprock and the Colorado state line toward Cortez, beginning 0 mile from Shiprock. The length of this project is approximately 15.273 miles. The proposed work involves grading, minor drainage structures; two treated timber bridges, one of 6-21 ft. spans and one of 2-21 ft. spans; one steel and concrete bridge 180 ft. long, and crushed gravel base course 5-in.-x22-feet.

June 20, 1930

EL DORADO COUNTY, Cal.—Until July 16, 2 P. M., bids will be received by State Highway Commission to construct reinforced concrete girder bridge across South Fork of American River at Riverton, composed of one 60 ft. span and two 54 ft. spans on concrete piers and bents, and grading and surfacing approaches with untreated crushed gravel and stone.

See call for bids under official proposal section this issue.

TULARE COUNTY, Cal.—Until July 15, 2 P. M., bids will be received by C. H. Sweetser, district engineer, 461 Market St., San Francisco, to construct Lodgepole, Glover Creek and Silliman bridges and approaches bet. Sta. 234+50 and E 270+67 on Sections C2 and D1 of General Highway, Route 1 in Sequoia National Park, involving: 10,700 cu. yds. unclass. excavation;

1,030 do;
3,000 eta. yds. overhaul;
770 cu. yds. class A concrete;
58,850 lbs. reinf. steel;
1,532 cu. yds. cement rubble masonry
30 lin. ft. 18-in. corr. metal pipe;
85 lin. ft. curb stone;
615 sq. yds. membrane waterproofing;
4,000 cu. yds. backfill;
6,000 cu. yds. hauling selected material.

Specifications obtainable from above on deposit at \$10. Certified check of 5% made payable to Federal Reserve Bank required.

SAN JOSE, Santa Clara Co., Calif.—Until July 7, 11 A. M., bids will be received by Henry A. Pfister, county clerk, to construct wooden Pratt truss bridge on Hellyer avenue over Coyote Creek in Supervisor District No. 2. Certified check 10% payable to clerk required with bid. Specifications obtainable from County Surveyor Robt. Chandler.

UKIAH, Mendocino Co., Cal.—Until July 15, 2 P. M., new bids will be received by H. M. Burke, county clerk, to construct 100-ft. steel bridge over Calpella Creek near Calpella, bids to be considered on two propositions:
(1) Construct and install in place complete;
(2) Furnish complete 100-ft. steel span, f.u.b. Calpella.

Certified check 10% required with bid. Plans on file in office of clerk. Previous bids were rejected.

DREDGING, HARBOR WORKS & EXCAVATIONS

SAN FRANCISCO—Until July 10, 11 A. M., bids will be received by Trustees of Islais Creek Reclamation District, 375 City Hall, to build wooden box drains on piles at Islais Creek Channel, involving:
45,000 lin. ft. wood piling (below cut-off);
3,500 lin. ft. 14x8-ft. wooden box drain
50 lin. ft. 10x8-ft. wooden box drain

Appurtenances for drains.
Project is located in the vicinity of Selby street from Oakdale to Evans Ave. and along and under the Southern Pacific Company's trestle to Islais Creek Channel and along Tulare St. adjacent to Islais Creek Channel. M. H. Levy, engineer for district.

See call for bids under official proposal section in this issue.

STREET LIGHTING SYSTEMS

SAN MATEO, San Mateo Co., Cal.—City Council declares intention (30-7) to improve 23rd and 24th Aves., Flores St., Florin and Isabelle Aves., involving grading; hydraulic concrete cement curbs, gutters, sidewalks; asphalt concrete pavement; hydraulic cement concrete pipe storm water sewers; catchbasins; steel reinf. box culvert; ornamental street lighting system. Bond Act 1911. Imp. Act 1915. Hearing July 7. E. W. Foster, city clerk. E. P. Wilsey, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until June 30, 8 P. M., bids will be received by J. J. Lynch, city clerk, to install electroliters with underground system in Third St., bet. St. John and San Antonio Sts., involving (San Jose Design) Duplex electroliters. Specifications obtainable from above. Certified check of 10% required payable to city. Wm. Popp, city engineer.

MACHINERY AND EQUIPMENT

CLARKSBURG, Yolo Co., Cal.—Until July 2, 8 P. M., bids will be received by M. H. Heringer, Clerk, Clarksburg Union High School District for one school bus chassis, model 61 White or equal. Bidders include allowance for one Reo chassis 1927 model now used by district as school bus. Further information obtainable from L. T. Sims, principal at Clarksburg.

GUSTINE, Merced Co., Cal.—Until July 9, 6 P. M., bids will be received by George Steele, Clerk, Gustine Union High School District, to furnish one chassis to fit body of school bus No. 1. Specifications and further information obtainable from above.

EL CERRITO, Contra Costa Co., Cal.—Until June 30, 8:30 P. M., bids will be received by A. M. Walker, City Clerk, to furnish one truck. Certified check of 10% required. Specifications obtainable from above.

See call for bids under official proposal section this issue.

TURLOCK, Stanislaus Co., Calif.—Until July 7, 8 P. M., bids will be received by A. G. Crowell, clerk, Turlock Union High School District, to furnish truck with body to carry 44 high school children; also a No. 5 Bus. Further information and specifications obtainable from above.

PASO ROBLES, San Luis Obispo Co., Cal.—Until July 7, 5 P. M., bids will be received by Ida K. Welborn, city clerk, to furnish and install one gas fired low pressure steam boiler to meet the following specifications:
1 G. S-11-Ideal Gas Fired Boiler (or equal) with "T" equipment;

1660 A.G.A. sq. ft. steam radiation, f.o.b. Paso Robles.

Delivery to be made any time before October 1. Further information obtainable from clerk.

See call for bids under official proposal section in this issue.

CLARKSBURG, Yolo Co., Cal.—Until July 2, 8 P. M., bids will be received by Mabel H. Heringer, clerk, Clarksburg High School District, to furnish and deliver one 50 passenger school bus body. Further information obtainable from clerk.

MODESTO, Stanislaus Co., Calif.—Until July 7, 7:30 P. M., bids will be received by H. E. Gragg, city clerk, to furnish and deliver one 1½-ton truck complete with closed type cab and all metal 1½ cu. yd. dump body with motor driven mechanical hoist. Truck to be equipped with dual or tandem rear wheels and fully equipped with pneumatic tires and 4-wheel brakes. Specifications and further information on file in office of clerk. Frank Rossi, city engineer.

PONDHAM, Kern Co., Cal.—Until July 7, 7:30 P. M., bids will be received by J. M. Reichert, clerk, Pondham Union School District to furnish one latest model Ford Chassis and a bus body complete, 25 passengers. Specifications and further information obtainable from above.

DELANO, Kern Co., Cal.—Until July 8, 8 P. M., bids will be received by F. Panero, clerk Delano Joint Union High School District, to furnish one 25-passenger bus as a whole or chassis and body separately. Specifications obtainable from Mr. Abbey, shop at High School.

RAILROADS

OAKLAND, Alameda Co., Cal.—Until July 7, 4:30 P. M., bids will be received by City of Oakland Port Commission, G. B. Hagar, Secretary, 424 Oakland Bank Bldg., for laying railroad tracks at Ninth Ave. Pier.

ORANGE, Orange Co., Cal.—Railroad Commission granted permit to Atchison, Tonka and Santa Fe Railway Company to construct spur track at grade across Almond Ave. and across a portion of an unnamed St.

SAN FRANCISCO—Railroad Commission granted permit to Southern Pacific Company to construct a spur track at grade across a portion of 12th street and across Bernice St.

SAN JOAQUIN CO., Cal.—Stockton Terminal & Eastern Railroad has applied to Railroad Commission for authority to construct a spur track at grade across Roosevelt Avenue.

SAN FRANCISCO—The Great Northern Railway and the Western Pacific Railway have been granted permits by the Interstate Commerce Commission to construct rail lines which will connect the Great Northern System with San Francisco. Construction, estimated to cost \$14,000,000, will start at once. The Great Northern Railway will construct an 88-mile line from the Oregon line south to Belber, while the Western Pacific Railway will build 112 miles of main line from its present line at Keddie, north to Belber. About 39 miles of track will be built down the San Francisco peninsula through Burlingame, San Mateo and Redwood City, thence to Niles. The work will be done by contract.

MISCELLANEOUS SUPPLIES AND MATERIALS

CLERK.
LINDSAY, Tulare Co., Cal.—Until July 8, 8 P. M., bids will be received by E. V. Bogart, city clerk, to furnish and deliver gasoline, kerosene and lubricating oils for city for ensuing year. Further information obtainable from

SAN JOSE, Santa Clara Co., Cal.—Until July 7, 8 P. M., bids will be received by W. L. Bachrodt, secretary, Board of Education, to furnish coal for school departments for year 1930-31. Specifications and further information obtainable from above.

REDDING, Shasta Co., Cal.—Until July 7, 8 P. M., bids will be received by L. Engram, city clerk, to furnish cedar poles for b. cars. Redding. Specifications obtainable from above. Certified check of 10% payable to mayor of city of Redding required.

RESERVOIRS AND DAMS

Plans Being Figured—Bids Close
July 22, 2 P. M.

DAM Cost, \$12,000
IONE, Amador Co., Cal. Preston School of Industry.
Reinforced concrete dam.
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Bldg., Sacramento.

IONE, Amador Co., Calif.—As previously reported, bids will be received by State Department of Public Works,

Division of Architecture, Public Works Bldg., Sacramento, July 22, 2 P. M., to construct reinforced concrete dam for Preston School of Industry near Ione. Estimated cost \$12,000. The dam will measure 192-ft. at the crest and approximately 75-ft. at the highest point, and involves approximately 600 cu. yds. of reinforced concrete.

See call for bids under official proposal section in this issue.

PASADENA, Los Angeles Co., Cal.—Dr. F. L. Ransome, geologist and faculty member of California Institute of Technology, has announced that the city's dam site in Pine Canyon (in San Gabriel Canyon) is satisfactory and is suitable for the proposed \$10,000,000 dam. Louis C. Hill, consulting engineer, is working on an independent investigation. The city has just completed 2000 ft. of tunnel and has about 3000 ft. yet to build. Samuel B. Morris is chief engineer and superintendent of the Pasadena water department.

VENTURA, Ventura Co., Cal.—E. E. Everet, consulting engineer, for W. S. Dunshie, Ed Selby and Joseph Selby, has announced that his clients are planning to construct a concrete dam across Poplin Creek in the Santa Ana Valley, to impound 400 ac. ft. of water. The proposed dam will be 360 ft. in length and 60 ft. high. Est. cost, \$300,000. The water will be used for irrigation and domestic purposes on the 455-acre Dunshie ranch.

COLUSA COUNTY, Cal.—Following bids received June 25 by State Highway Commission to construct three concrete girder bridges; one over Salt Creek, 1 mile north of Williams, consisting of two 26-ft. 6-in. spans; one over Freshwater Creek, 1½ mile north of Williams, consisting of three 25-ft. spans; a third across Green Valley Slough, 4 miles north of Williams, consisting of two 21-ft. 6-in. spans:
Frederickson & Watson, Oakland \$18,127
Geo. J. Ulrich Constr. Co., Modesto 18,833
Whipple Eng. Co., Monrovia 26,532
Bids held under advisement.

PIPE LINES, WELLS, ETC.

LOS ANGELES, Cal.—Martin Simunovich, 3305 W. 66th St., submitted low bid to Board of Public Works at \$171,800 for constructing section of North Outfall Sewer from Riverside Drive and Woodland Ave. to Burbank Blvd.

Bids Close June 28, 10 A. M.
PUMP Cost, \$—
SAN FRANCISCO. Fort Baker, Pump House No. 68.
30 H. P. Turbine Pump (250 gallons per minute).

Owner—U. S. Government.
Architect—Constructing Quartermaster, Fort Mason.
Specifications obtainable from Constructing Quartermaster, Fort Mason

SEWERS AND SEWAGE DISPOSAL PLANTS

RENO, Washoe Co., Nevada—Christensen & Co. of Reno awarded contract at \$329,940 by city council to construct trunk line sewer, sewage pumping station and sewage treatment plant. The trunk line sewers and sewage treatment plant comprise the construction, complete, of sewer lines from points of junction with the existing sewerage system to the treatment plant and a sewage pumping station; together with a sewage works comprising essentially a bar screen chamber, two clarifier tanks, a sludge digestion tank and sludge drying beds, all complete with corresponding equipment and appurtenant; a plant control building containing boiler and pumping rooms, chlorination room and laboratory, all complete with piping and miscellaneous equipment. Rocco & Colletti, San Rafael, and W. J. Tobin, Oakland, were low bidders, but were rejected so work could be given to local contractor.

SANTA ANA, Orange Co., Calif.—Drainage Const. Co., Lynwood, awarded contract by city council at \$61,432 for constructing sewers in Main St. bet. Delhi Road and Dyer Road; also portions of other streets, involving cement sewers; conch. manholes; pumping plant; fire hydrants; lampholes and flush tanks.

LOS ANGELES, Cal.—Dalmatin and Nikcevic, 841 W. 62nd St., submitted low bid to Board of Public Works at \$203,634 for constructing Section 34-A of North Outfall Sewer from Laurel Canyon Blvd. and Woodbridge Lane to Riverside Drive and Woodman Ave.

BENICIA, Solano Co., Cal.—City Council declares intention (3) to improve M Street, between East Third and Fourth Sts. and L St. involving laying and installing 6-in. vitrified slat glazed sewer and manholes. Bond Act. 1911. Improvement Act 1915. Hearing July 8. J. J. O'Grady, city Clerk.

MARTINEZ, Contra Costa Co., Cal.—Until July 7, 11 A. M., bids will be received by J. H. Wells, county clerk, (1) for sewers in Aeq. and Imp. Dist. No. 5, in portions of Monterey St., Carl Ave., etc., involving 30-inch and 36-inch vitrified sewer pipe; 4-in. and 36-in. reinforced concrete sewers with stand. vit. clay lining blocks; brick and cem. concrete manholes. Specifications obtainable from above. Certified check of 10% required, payable to County of Contra Costa.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., June 30, bids will be received by the city council for the construction of a storm drain, together with manholes, reinf. steel, frames and covers, etc., in and across certain portions of lot 15, Riverside Tract and Glaesell and Chapman Allotment of the Rancho San Rafael. G. E. Chapman, city clerk. Alternate bids will probably be taken on 4-ft. reinf. conc. box and on reinf. conc. pipe. J. C. Albers, city eng. City Attorney H. L. Dearing has been authorized to prepare plans and to start proceedings for a storm drain in Lemon St. with an outlet into Santiago Creek. The line will range in size from 24-in. to 4-ft. The estimated cost is \$75,000.

NO NOT RISK AN EXPERIMENT

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Ten Years of Uniformly Satisfactory Experience in High

Class Pacific Coast Construction

FOR BRICK MORTAR, WHITE COAT AND SAND FLOAT FINISH

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MILL VALLEY, Marin Co., Cal.—City Council declares intention (740) to improve Summit Ave., Lovell Ave. and Cornelia St. and various other streets, involving vitrified pipe sewer; hydraulic concrete manholes; lamp-holes; wye branches and lateral; hydraulic concrete retaining wall; arch culverts; hydraulic conduit inlet. Bond Act 1991. Improvement Ace 1915. Hearing July 1. Wm. Falley, city clerk. F. H. Lacey, city engineer.

GLENDALE, Los Angeles Co., Cal.—Until 10 A. M., June 30, bids will be received by the city council for the laying of cast iron pipe sewer, together with manholes, junction chambers, frames and covers, wyes, plugs, etc., and otherwise improving Niordara Drive, Collina Drive, and Canada Blvd. G. E. Chapman, city clerk.

RENO, Washoe Co., Nevada—Rocco & Colletti, San Rafael, submitted low bid at \$310,743 to city council to construct the trunk line sewer, sewage pumping station and sewage treatment plant. The trunk line sewers and sewage treatment plant comprise the construction, complete, of sewer lines from points of junction with the existing sewerage system to the treatment plant and a sewage pumping station; together with a sewage works comprising essentially a bar screen chamber, two clarifier tanks, a sludge digestion tank and sludge drying beds, all complete with corresponding equipment and appurtenant; a plant control building containing boiler and pumping rooms, chlorination room and laboratory, all complete with piping and miscellaneous equipment.

The following roughly approximate quantities are involved in the work.

7,650 cu. yds. excav. for plant.

Trunk line sewers:

2,960 lin. ft. 30-in. pipe;

4,300 lin. ft. 33-in. pipe;

933 lin. ft. 30-in. pipe;

276 lin. ft. 24-in. pipe;

7,000 lin. ft. 18-in. pipe;

10,230 lin. ft. 15-in. pipe;

150 lin. ft. 12-in. pipe;

10,900 lin. ft. 10-in. pipe;

2,480 lin. ft. 8-in. pipe;

3 sewer river crossings;

99 sewer manholes.

Sewage pumping station:

1 sewage pumping station;

7,650 cu. yds. excav. for plant struc.;

Sewage treatment plant:

16,400 cu. ft. of concrete;

103 tons of reinforcing steel.

Following is a complete list of bids:

Rocco & Colletti, San Rafael \$310,743

W. J. Toban, Oakland..... 316,945

J. C. Hickey, Berkeley..... 334,659

Frederickson & Watson, Oak-

land..... 348,560

Christianson & Co., L. A..... 350,183

Thos. Haverly & Co., L. A..... 352,704

H. Gould, Sacramento..... 353,632

Hanrahan & Watson, L. A..... 411,634

WATER WORKS

PASO ROBLES, San Luis Obispo Co., Cal.—Until July 7, 5 P. M., bids will be received by Ida K. Welborn, city clerk, to furnish and deliver water pump, as follows:

1 No. 63 stage Byron Jackson latest improved high capacity, deep well turbine pump, fitted with stainless steel shaft, automatic packing glands, enclosed bronze type runners.

36 ft. 5-in. O. D. casing column, 2-in. inner tubing, one 3-16-in. shafting column to be of tension type, with bronze bearings at each 6-ft. interval, in the inner tubing.

1 No. 44-74 Byron Jackson latest improved built-in type motor base,

with all necessary lubricating devices and arranged to receive:

One 7½-hp. 3-phase, 1750 R.P.M., 440-volt, 66-cycle, automatic starting. General Electric Type DDO motor, built into the above head.

One CR-7005, automatic starter with push button station, overload and undervoltage protection.

One 5-in. O. D. cone strainer.

One 4-in. flanged butterfly valve.

One 5-in. O. D. casing nipple, 8-in. long.

Further information obtainable from city clerk.

See call for bids under official proposal section in this issue.

ONTARIO, San Bernardino Co., Cal.—Until 5 P. M., July 7, bids will be received by the city council for pumping equipment for No. 6 well (just completed). The equipment proposed, follows:

(1) Deep well pump, 3000 G. P. M. capacity against head of 235 ft. and capable of emergency pumping against 435 ft. head.

(2) Booster pump, 2800 G. P. M. capacity against normal head of 350 ft. Austin Burt is the city service manager. The well is reported to show 65% water bearing gravel.

BEVERLY HILLS, Los Angeles Co., Cal.—The city council budget committee has under consideration an item for \$75,000 to provide for a water treatment plant at Sherman Wells. The capacity would be probably 3,000,000 gallons a day. Salisbury, Bradshaw & Taylor, Petroleum Securities Bldg., Los Angeles, are the consulting engineers.

PLAYGROUNDS & PARKS

PITTSBURG, Contra Costa Co., Cal.—On petition of local business interests, city council has authorized the construction of five municipal tennis courts, three in city park and two at high school grounds; estimated cost, \$1,260 each.

STREETS AND HIGHWAYS

SANTA CRUZ, Santa Cruz Co., Cal.—County Surveyor Lloyd Bowman is preparing plans to improve Brown Valley road, Section 1 of Mount Madonna road and Section 1 of the Calabasas road, both in the Pajaro District.

SISKIYOU COUNTY, Calif.—Basalt Rock Co., Inc., Napa, submitted the only bid to the state highway department at \$6547.20 or \$3.10 bbl. for highway work in Siskiyou County, bet. Shasta river and Walker, a distance of about 21 miles, heavy fuel oil to be furnished and applied as a dust layer involving 2112 bbls.

KERN & LOS ANGELES COUNTIES, Cal.—G. M. Duntley, 772 S San

Pedro St., (VA 3191) sub. low bid of \$3448.80 to the Los Angeles district engineer of the State Highway Division for highway work as follows: Kern and Los Angeles counties bet. Rosamond and southern Lancaster; bet. north boundary and Lancaster; bet. Los Angeles city limits and Newhall; bet. Saugus and Santa Clara river bridge, a total length of 13.8 miles, 2190 bbls. heavy fuel oil to be applied to shoulders.

SANTA ROSA, Sonoma Co., Cal.—Until July 15, 5 P. M., bids will be received by Noy L. Donovan, city clerk, to construct extension to Fourteenth St. to Wright street. Certified check 10% payable to city required with bid. Plans on file in office of clerk.

SAN DIEGO COUNTY, Cal.—Following bids received June 25 by State Highway Commission to pave with cement concrete 11.2 mi., between Vemas Creek and Pine Valley: Sander Pearson, Santa Monica, \$338,287
Essett Bros. Constr. Co., Los Angeles..... 338,703
Jahn & Bressi, Los Angeles..... 340,326
E. Paul Ford, East San Diego 340,677
Griffith Co., Los Angeles..... 340,732
R. E. Hazzard Contracting Co., San Diego..... 362,095
Wells & Bressler, Santa Ana..... 369,282
Watson & Sutton, San Diego..... 373,606
W. F. Peck Co., Los Angeles..... 387,382
Bids held under advisement.

COLUSA, Colusa Co., Cal.—W. H. Larsen Construction Company submitted low bid at \$39,942 to County Board of Supervisors to improve highway from Mills Orchard along Maxwell-Sites road to the incorporated town of Sites, a distance of 4.04 miles involving 6300 tons asphaltic concrete paving.

PLACER & NEVADA COUNTIES, Cal.—Following bids received June 25 by State Highway Commission to surface with crusher run base and untreated crushed gravel or stone surface, 7.2 miles between Airport and Yuba Pass:
Teislaus Bros., Berkeley..... \$122,807
A. Teichert & Son, Sacto..... 129,363
Chas. Harlowe Jr., Oakland..... 114,448
T. E. Connolly, San Francisco 147,405
Basalt Rock Co., Petaluma 151,915
Bids held under advisement.

SANTA ROSA, Sonoma Co., Cal.—Until July 15, 5 P. M., bids will be received by N. L. Donovan, city clerk, to construct and furnish material in extending Fourteenth Street to Wright Street. Specifications obtainable from S. P. Noyes, city engineer. Certified check of 10% required, payable to City of Santa Rosa.

CONTRACTORS' MACHINE WORKS

SPECIALISTS ON REPAIRING AND REBUILDING OF

Bunkers, Hoppers, Chuting, Conveyors, Rollers, Mixers, Hoists, Shovels, Tractors, Pavers, Crushers, Drag Lines, Elevators, Car Unloaders, and other Road and Building Equipments;

BLACKSMITHING AND WELDING

Builders of Rosenberg Portable Car Unloaders

CREAR & BATES

57 Zoe St., bet. 3rd and 4th, off Brannan St.

Phone GAfield 4374

San Francisco

FRESNO COUNTY, Cal.—Following bids received June 25 by State Highway Commission to grade and pave with asphalt concrete 7.6 miles between Fowler Switch Canal and Fancher Creek:

Peninsula Paving Co., S. F. \$257,557
Valley Paving & Constr. Co., Visalia 280,594
Steele Finley, Santa Ana 284,339
A. Teichert & Son, Inc., Sacto. 296,668
Geo. R. Curtiss Paving Co., Los Angeles 299,993
Bids held under advisement.

June 25, 1930

LONG BEACH, Los Angeles Co., Cal.—Griffith Company, 502 L. A. Railway Bldg., Los Angeles, awarded contract by City Council at \$47,024 for improving 6th St., between Long Beach Blvd. and East line of Lot 27 Block G, Tract 6305, involving: 26,590.23 ft. curb; 1034.30 ft. curb armor; 142,918.96 sq. ft. walk; 2827 sq. ft. 6-in. manhole; 16,148.22 ft. 8-in. vit. pipe; 58 manholes, type A; 1 manhole, type B; 3 lampholes; 7250 ft. 6-in. C. I. water mains.

REDWOOD CITY, San Mateo Co., Cal.—City Council declares intention (M-9) to improve Maple Street bet. Main Street and Dillers Addition, involving grading; 6-inch hydraulic cement concrete surface pavement; 3-inch broken stone base pavement; 1-inch cushion of sand between said surface and base pavement; hydraulic concrete cement curbs; 4-in. hydraulic cement concrete sidewalks; 2 hydraulic cement concrete storm water inlets; cement concrete gutters. Bond Act 1911. Improvement Act 1915. Hearing July 7. B. E. Myers, City Clerk. C. L. Dimmitt, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—Until July 21, bids will be received by J. H. Wells, county clerk, to grade 1.4 miles or Buchanan Road in Supervisor District No. 4, located two miles south of the city of Pittsburg, and runs east on Sections 27 and 28 of township 2 north. Specifications obtainable from above. Certified check of 10% required. R. R. Arnold, county engineer.

MARTINEZ, Contra Costa Co., Cal.—Until July 21, bids will be received by J. H. Wells, county clerk, to grade Road D-14 in Supervisor District No. 4, located two miles west of the city of Pittsburg, and one-half mile south of main highway, a length of 2.7 miles. Specifications obtainable from above. Certified check of 10% required. J. H. Wells, county clerk. R. R. Arnold, county engineer.

SAN MATEO, San Mateo Co., Cal.—City Council declares intention (30-7) to improve 23rd and 24th Aves., Flores St., Florin and Isabelle Aves., involving grading; hydraulic concrete cement curbs, gutters, sidewalks; asphalt concrete pavement; hydraulic cement concrete pipe storm water sewers; catchbasins; steel reinf. box culvert; ornamental steel lighting system. Bond Act 1911. Imp. Act 1915. Hearing July 7. E. W. Foster, city clerk. E. P. Wilsey, city engineer.

SAN JOAQUIN COUNTY, Cal.—Until July 16, 2 P. M., bids will be received by State Highway Commission to grade and pave with asphalt concrete about 1.4 miles in length between Forest Lake and the northern boundary.

See call for bids under official proposal section this issue.

KERN COUNTY, Cal.—Until July 16, 2 P. M., bids will be received by

State Highway Commission to surface with oil treated crushed gravel or stone about 13.9 miles in length, between 1½ miles east of Cottonwood Creek and Democrat Springs.

LOS ANGELES, Los Angeles Co., Cal.—Until July 2, 10 A. M., bids will be received by Board of Public Works for improving Mannix Drive from Kirkwood to 2020 feet east, involving concrete pavement; reinforced concrete curbs; concrete retaining wall; vitrified storm drain, sewers; fire hydrants. Previously announced for July 9.

LOS ANGELES, Los Angeles Co., Cal.—Until July 9, 10 A. M., bids will be received by the Board of Public Works to construct storm drain system known as Jefferson Storm Drain, Section No. 3. System will extend from Seventh and Bixel St. to Jefferson Blvd. and McClintock St., via 7th St., 9th St., Georgia St., 12th, Trenton, Pico St., DeLong St., Venice Blvd., Cherry St., Washington Blvd., Park Grove, 23rd St., St. James Park, Adams St., Severance, 28th St., University Ave., Hoover St., 34th St., Orchard St., 29th St. and 35th St. The total length is 44,549.16 lin. ft. and the system will involve cement pipe, reinf. concr. pipe and box section of sixes from 12-in. for the pipe up to the box section of 4-ft. 6-in. by 7-ft. 6-in. The approximate cost is \$300,000.

MODOC COUNTY, Cal.—Until July 16, 2 P. M., bids will be received by State Highway Commission to grade and surface with untreated crushed gravel and stone about 1.4 miles in length, between 3 miles and 4.4 miles east of Alturas.

See call for bids under official proposal section this issue.

EUREKA, Humboldt Co., Cal.—Until July 7, 2 P. M., bids will be received by E. M. Kay, County Clerk, to surface approximately 25.0 miles of county road in Humboldt County with emulsified asphalt. Specifications obtainable from above. Certified check of 5% required.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Until June 30, 7:30 P. M., bids will be received by C. M. John, City Clerk, (322) to improve Garden, Pacific and Pismo Streets, involving grading; 6-inch hydraulic concrete pavement; hyd. cem. conc. curbs, and sidewalks; part circle arch culverts; catchbasins. Specifications obtainable from above. Certified check of 10% required, payable to city.

REDWOOD CITY, San Mateo Co., Cal.—City Council declares intention (M-8) to improve Chestnut Street between Heller and Stambaugh Streets involving grading; 6-inch hydraulic cement concrete surface pavement; 3-inch broken stone base pavement; 1 inch cushion of sand between said surface and base pavement; cement concrete curbs, gutters, sidewalks. Bond Act 1911. Improvement Act 1915. Hearing July 7. B. E. Myers, city clerk. C. L. Dimmitt, city engineer.

OAKDALE, Napa Co., Cal.—City Council declares intention (7) to improve First, Second, Third, Fourth Aves., Church, Davitt St., California, Laurel, Mann, Bryan Aves., C. D. E, H. Sts., Poplar, Magnolia, Walnut, Euclatup, Aves., involving grading and paving with 2-inch of oil treated

crushed gravel or stone. Bond Act 1911. Improvement Act 1915. Hearing July 7. C. E. Wood, city clerk.

BRENTWOOD, Contra Costa Co., Cal.—Until July 21, bids will be received by J. H. Wells, County Clerk, to improve with pavement 3.1 miles in length of Fairview Road beginning one mile west of town. Specifications obtainable from above. Certified check of 10% required, payable to clerk of board.

See call for bids under official proposal section this issue.

ANTIOCH, Contra Costa Co., Cal.—Until July 21, bids will be received by J. H. Wells, County Clerk, to improve with pavement Lone Tree Road from Antioch Reservoir, southerly and easterly a distance of 3.1 miles. Specifications obtainable from above. Certified check of 10% required, payable to Clerk of Board.

OAKLAND, Alameda Co., Cal.—Until July 7, 4:30 P. M., bids will be received by City of Oakland Port Commission, 424 Oakland Bank Bldg., for grading and laying macadam roads at the Ninth Ave. Pier.

SAN JOSE, Santa Clara Co., Calif.—Until July 30, 3 P. M., bids will be received by J. J. Lynch, city clerk, to improve Sunol St. bet. San Carlos and Auzeais Ave., involving grading; 1½-inch asphaltic concrete surface on 2½-inch asphaltic concrete base pavement; cement concrete curbs, gutters, walks; storm water inlets; 12-in. cement concrete storm sewer; cement concrete culverts, etc. Specifications obtainable from above. Certified check of 10% required payable to city.

LOS GATOS, Santa Clara Co., Cal.—Until July 21, 8 P. M., bids will be received by D. M. Winnig, city clerk, to construct culvert on New York Ave. Specifications obtainable from above. Certified check of 10% required.

LOS ANGELES, Cal.—Giddons and Reed Company, 221 E. San Fernando Blvd., Burbank, submitted low bid to Board of Public Works at \$72,896 for improving Plummer St. between Santa Susanna Ave. and Topanga Ave.

SAN GABRIEL, Los Angeles Co., Cal.—Hall-Johnson Co., 705 Westminster St., Alhambra, was awarded contract by city council at \$75,972 for improving Mission Drive bet. Los Tunas Dr. and the Southern Pacific tracks.

UKIAH, Mendocino Co., Cal.—Until July 15, 10 P. M., bids will be received by H. M. Burke, county clerk, to reconstruct portion of Ukiah-Boonville road in District No. 1, known as Soda Creek Bufile, involving:

10,000 cu. yds. unclassified excavation with free haul of 500-ft., including all clearing;
Installation 80 lin. ft. 15-in. galvanized culvert pipe (to be furnished by the county).

Certified check 10% required with bid. Plans on file in office of clerk.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch awarded contract by city council to improve Sherwood Ave. bet. Newhall and Vermont Sts., involving grading; 1½-in. asph. conc. surface pavement on 2½-in. asph. conc. base; cement conc. walks, curbs, gutters; 4-in. vit. house lateral sewers.

SAN JOSE, Santa Clara Co., Cal.—A. J. Raisch awarded contract at \$204.9 by Board of Supervisors to improve Secodn and Third streets in town of Campbell. Engineer's estimate \$3450.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City Council declares intention (71) to improve Linden Ave., between Railroad Ave. and Southern Pacific Company's Bay Shore Line involving grading; hydraulic cement concrete sidewalks, gutters, curbs; pavement consisting of 3-inch asphaltic concrete base, 6-in. waterbound rock macadam sub-base on cushion and 2-inch asphaltic concrete wearing surface; two steel reinforced hydraulic concrete bridges; concrete box culvert; vitrified salt-glazed ironstone pipe sanitary sewer; brick manholes, catchbasins, electroliters, cement concrete wall. Bond Act 191. Improvement Act 1915. Hearing July 7. D. McSweeney, city clerk.

PACIFIC GROVE, Monterey Co., Cal.—City Council declares preliminary intention (3211) to improve Junipero Ave., between Forest and Pacific Grove, involving cement concrete gutters and curbs; 2-in. asphaltic concrete wearing surface pavement; 3-in. crushed rock base; storm drains. Bond Act 1911. Improvement Act 1915. Hearing July 3. W. G. Stubbs, city clerk.

BRENTWOOD, Contra Costa Co., Cal.—Until July 21, bids will be received by J. H. Wells, county clerk, to improve with pavement 1.4 miles in length Brentwood road beginning 1.5 miles east of town of Brentwood. Specifications obtainable from above. Certified check of 10% required, payable to clerk of board.

See call for bids under official proposal section this issue.

SAN JOSE, Santa Clara Co., Cal.—San Jose Paving Company awarded contract at \$11,500 by County Board of Supervisors to improve San Felipe road in Supervisor District No. 2.

SANTA CLARA, Santa Clara Co., Cal.—Union Paving Company awarded contract at \$31,309 by City Council (20-G) to improve portions of Union Ave. and Bellomy St., involving grading; asphaltic concrete pavements on quarry waste base; cement concrete curbs; drop curbs; gutters; sidewalks, driveway approaches; vit. clay pipe main sanitary sewers, wye branches; laterals; manholes.

SAN JOSE, Santa Clara Co., Cal.—San Jose Paving Company awarded contract at \$7396 by Board of Supervisors to improve Martin, Flint and Kohler Aves. in Supervisor District No. 2. Engineer's estimate \$9500.

COMPTON, Los Angeles Co., Cal.—Until July 15, 8 P. M., bids will be received by city council for improving streets in the northwest section of the city in what is known as the Kemp Street Project. City Engineer Glen Rood has estimated the cost at \$75,000. Streets to be improved are: Kemp St., from Main St. to Rosecrans Ave. and School St.; Palmer Ave., Brazil St., Arbutus St., Poplar St., Elm St., Cedar St., Maple St., Spruce St., Cherry St., Plum St. and Rosecrans Ave. from Compton Ave. to the west city limits. Improvements will consist of five-inch cement concrete paving and cast iron water mains and fire hydrants.

SAN MATEO, San Mateo Co., Cal.—Until July 7, 8 P. M., bids will be received by E. W. Foster, city clerk, (30-5) to improve Glendale Rd. from

Hillsborough town limits to present pavement at intersection of Poplar Ave., portions of Edgewood Rd. and Fulton Rd., involving grading; combined conc. curbs and gutters; 4-in. asphalt. conc. base pavement with 2-inch concrete surface; 6-inch vitrified clay pipe San. sewers; 4-in. vit. clay pipe lateral sewers; 12-inch concrete pipe storm water sewers and 2 circular concrete pipe catchbasins. Specifications obtainable from above. Certified check of 10% required, payable to City. E. P. Wilsey, city engineer.

OFFICIAL PROPOSALS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF HIGHWAYS

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the State Highway Engineer, Public Works Building, Sacramento, California, until 2 o'clock P. M. on July 16, 1930, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, of portions of State Highway, as follows: Modoc County, between 3 miles and 4.4 miles east of Alturas (11-M-23-C), about one and four-tenths (1.4) miles in length, to be graded and surfaced with untreated crushed gravel or stone.

El Dorado County, a reinforced concrete girder bridge across South Fork of American River at Riverton (111-E-D-11-P); composed of one 60-foot span and two 54-foot spans on concrete piers and bents, and grading and surfacing approaches with untreated crushed gravel or stone.

Kern County, between 1 1/4 miles east of Cottonwood Creek and Democrat Springs Vi-Ker-57-F & G), about thirteen and nine-tenths (13.9) miles in length, to be surfaced with oil treated crushed gravel or stone.

San Joaquin County, between Forest Lake and the northerly boundary (X-S-J-4-D), about one and four-tenths (1.4) miles in length, to be graded and paved with asphalt concrete.

Proposal forms will be issued to only those Contractors who have furnished verified statement of experience and financial condition in accordance with the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Bids will not be accepted from a Contractor to whom a proposal form has not been issued by the Department of Public Works.

Plans may be seen, and forms of proposal, bonds, contract and specifications may be obtained at the said office, and they may be seen at the offices of the District Engineers at Los Angeles and San Francisco, and at the office of the District Engineer of the district in which the work is situated. The District Engineers' offices are located at Eureka, Redding, Sacramento, San Francisco, San Luis Obispo, Los Angeles, San Bernardino and Bishop.

A representative from the district office will be available to accompany prospective bidders for an inspection of the work herein contemplated, and Contractors are urged to investigate the location, character and quantity of work to be done, with a representative of the Division of Highways. It is requested that arrangements for

joint field inspection be made as far in advance as possible. Detailed information concerning the proposed work may be obtained from the district office.

No bid will be received unless it is made on a blank form furnished by the State Highway Engineer. The special attention of prospective bidders is called to the "Proposal Requirements and Conditions" annexed to the blank form of proposal, for full directions as to bidding, etc.

The Department of Public Works reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
C. H. PURCELL,
State Highway Engineer.
Dated June 13, 1930.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Sts. Sacramento, California, up until 2 o'clock P. M., Tuesday, July 22, 1930, thereafter on said day to be publicly opened and read for the construction of a reinforced concrete dam for the Preston School of Industry, near Lone, California.

The dam will measure 192'-0" at the crest and approximately 25'-0" at the highest point and involves approximately 600 cubic yards of reinforced concrete.

Plans and specifications are on file for examination in the office of the Division of Architecture, Public Works Building, Sacramento, and also at Room 1025 Associated Realty Building, Los Angeles, and at the principal California Cities Builders' Exchange Offices.

Plans, specifications, and proposal forms may be secured by licensed Contractors who have qualified or who will qualify by furnishing a verified statement of experience and financial condition as required by the provisions of Chapter 644, Statutes 1929, and whose statements so furnished are satisfactory to the Department of Public Works. Questionnaire forms may be secured from the Division of Architecture.

Bids will not be accepted from a Contractor to whom a proposal form has not been issued and all bids must be on proposal forms supplied by the State.

Requests for plans shall be accompanied by a deposit of twenty-five (\$25.00) dollars. Check shall be made payable to the Department of Public Works, Division of Architecture. Deposit will be returned upon receipt of the work in good condition, at Sacramento Office of the Division within 30 days after opening bids, otherwise it will be forfeited to the State.

All bids must be filed at the office of the State Architect on or before the time heretofore stated and in accordance with the "Rules for Bidding" accompanying the proposal form.

No bid will be considered unless cash, a bidder's bond made payable to the State of California, or a certified check made payable to the "State Engineer, Department of Public Works," in the sum of at least ten per centum (10%) of the amount of the bid is enclosed with the bid.

The Division of Architecture, State Department of Public Works, reserves the right to reject any or all bids and to waive any informality in any bid received.

STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
GEO. B. McDOUGALL,
State Architect.
B. B. MEEK,
Director of Public Works.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING PERMITS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Am't
785	Walker	Vint	2500
786	Buchner	Standard	4500
787	Franceschi	Owner	5000
788	Thorne	Taylor	38000
789	Puchen	Cerda	6500
790	Lynn	DeVelbiss	1962
791	Schwabbe	Laughlin	25000
792	Picci	Coburn	1000
793	Morris	Owner	5000
794	Ealey	Petersen	2500
795	Meyer	Owner	5000
796	Same	Same	5000
797	Hunt	Owner	3750
798	Meyer	Owner	8000
799	Nelson	Owner	8000
800	McLean	Owner	12000
801	Caffrey	Cuddie	2000
802	Alpe	Miller	12000
803	Wesendunk	Owner	4000
804	Lyons	Jensen	11000
805	Henkelmann	Neel	2300
806	Cerigoino	Peterson	1500
807	Standard	Lindgren	15000
808	Drewes	Olafsson	1000
809	American	Owner	1000
810	Munter	Mooney	1500
811	McCrellis	Owner	1000
812	Anderson	Owner	4000
813	Ravagloie	Owner	5000
814	Commercial	McLeran	8500
815	Ebey	Owner	1150
816	Heyman	Owner	4500
817	Same	Same	4750
818	Standard	Lindgren	8000
819	General	Tassi	4000
820	Seale	Owner	7250
821	Grier	Gaynor	1000

DWELLING

(785) SE LESSING 75 NE Leibig; 1-story and basement frame dwelling.
Owner—Agnes, Edith and Marian Walker, 25 Lessing.
Architect—None.
Contractor—James Vint, 677 7th Ave. \$2500

DWELLING

(786) W 24th AVE. 175 S Taraval; 1-story and basement frame dwelling.
Owner—A. Buchner, 218 Castenada.
Architect—None.
Contractor—Standard Building Co., 218 Castenada. \$4500

DWELLING

(787) N JEFFERSON 65 W Broderick; 2-story and basement frame dwelling.
Owner and Builder—Louis Franceschi, 125 Cervantes.
Architect—R. Irvine, Call Bldg. \$5000

RESIDENCE

(788) N BROADWAY 87 E Scott St.; two-story, attic and basement frame residence.
Owner—Julian Thorne, care builders.
Architect—Albert Farr, 68 Post St.
Contractor—Taylor & Jackson, 290 Te. hama St. \$38,000

DWELLING

(789) N BERNARD 83 W Taylor St.; two-story and basement frame dwelling.
Owner—Thos. T. Puchen, 28 Bernard.
Architect—None.
Contractor—John Cerda, 358 Vienna. \$6500

REPAIRS

(790) 1571 CALIFORNIA ST.; repair fire damage to apt.
Owner—F. A. Lynn, 187 Beaver St.
Architect—None.
Contractor—C. Dudley DeVelbiss, 502 Sharon Bldg. \$1962

APARTMENTS

(791) S GREENWICH 40 E Franklin; three-story and basement frame apartments.
Owner—Mrs. Sarah Schwabbe, Greenwich and Franklin Sts.
Architect—Wm. Symonds.
Contractor—Laughlin Const. Co., 1770 Pine St. \$25,000

REPAIRS

(792) 1250 NEWCOMB; repair fire damage.
Owner—J. Picci, 1250 Newcomb.
Architect—None.
Contractor—Ira W. Coburn, Hearst Bldg. \$1000

DWELLING

(793) NE KENWOOD and Westgate; one-story and basement frame dwelling.
Owner—G. W. Morris, 95 Pinehurst.
Architect—D. E. Jaekle, 744 Call Bldg.
Contractor—G. W. Morris, 95 Pinehurst. \$5000

ALTERATIONS

(794) 1841 SCOTT ST.; alterations to flats.
Owner—Mrs. Gertie A. Ealey, 1841 Scott St.
Architect—None.
Contractor—S. Petersen & Son, 2237 Fillmore St. \$2500

DWELLING

(795) SE ROCKDALE and La Bica; one-story and basement frame dwelling.
Owner and Builders—Meyer Bros., 727 Portola Drive.
Architect—None. \$5000

DWELLING

(796) SE VICENTE 132 W 21st St.; 1-story and basement frame dwelling.
Owner and Builders—Meyer Bros., 727 Portola Drive.
Architect—None. \$5000

DWELLING

(797) W 30th AVE. 150 N Kirkham; one-story and basement frame dwelling.
Owner—H. J. Hunt, 1437 30th Ave.
Architect—None. \$3750

DWELLINGS

(798) S VICENTE 82 W 21st St.; two one-story and basement frame dwellings.
Owner and Builders—Meyer Bros., 727 Portola Drive.
Architect—None. \$8000

DWELLINGS

(799) W MANOR 78 N Ocean Ave.; two 1-story and basement frame dwellings.
Owner and Builder—F. Nelson & Sons, 2 West Portal.
Architect—None. \$8000

ALTERATIONS

(800) N 18th St. 111 W Guerrero St.; convert present (4) flats into (12) apts.
Owner—Isabella McLean, 3632 18th St.
Architect—G. A. Berger, 309 Valencia. \$12,000

ADDITION

(801) 58 COWPER; add 4 bedrooms and stucco front of dwelling.
Owner—Thomas Caffrey.
Architect—None.
Contractor—T. R. Cuddie, 122 Henry. \$2000

ADDITION

(802) 181 LIBERTY ST.; addition to apartments.
Owner—Joe Alpe, 181 Liberty St.
Architect—None.
Contractor—Phillip Miller & Sons, 384 San Miguel. \$12,000

(803) E ALEMANY BLVD. 139 N Silver Ave.; one-story and basement frame dwelling.
Owner and Builder—A. A. Wesendunk, 1625 San Jose.
Architect—B. K. Dobkowitz, 425 Montecreyt Blvd. \$4000

BUILDING

(804) N MISSION 250 E 6th St.; two-story and basement concrete bldg.
Owner—Teresa Lyons, care architect.
Architect—G. F. Ashley, 525 Market.
Contractor—G. P. W. Jensen, 525 Market St. \$11,000

ALTERATIONS

(805) 424 STANYAN ST.; alterations to public garage.
Owner—Adolph Henkelmann, 3755 17th Street.
Architect—Neal & Stone, 1180 O'Farrell St.
Contractor—F. B. Neel, 735 Baker St. \$2300

ALTERATIONS

(806) 4287 MISSION ST.; replace roof and back stairs, and stucco front.
Owner—R. Cerigoino, 4287 Mission St.
Architect—None.
Contractor—A. P. Peterson, 345 Silver Avenue. \$1500

SERVICE STATION

(807) SE CHESTNUT and Fillmore; reinforced concrete service station.
Owner—Standard Oil Co., 225 Bush St.
Architect—None.
Contractor—Lindgren and Swinerton, 225 Bush St.

ALTERATIONS

(808) SW ARMY & FOLSOM; alterations to dwelling.
Owner—H. J. Drewes, 3090 24th St.
Architect—B. K. Dobkowitz, 425 Montecreyt Blvd.
Contractor—S. J. Olafsson, 2685 Diamond. \$1000

Capital City Title Company

J. C. PALEN
Manager

914 Seventh Street

Sacramento - California

ALTERATIONS

(809) 359 FRONT ST.; alterations to bank bldg.
Owner—American Trust Co., 464 California St.
Architect—A. H. Herman, care owner. \$1000

REPAIRS

(810) 627 BAKER Street; repair fire damage.
Owner—C. Munter, 627 Baker St.
Architect—None.
Contractor—W. J. Mooney, 68 Belcher Street. \$1500

REPAIRS

(811) 652 OAK ST.; replace roof and repair walls.
Owner—F. McCrellis, 652 Oak St.
Architect—None. \$1000

DWELLING

(812) S YERBA BUENA 204 E 34th Ave.; 1-story and basement frame dwelling.
Owner and Builder—A. Anderson, 912 Geneva Ave.
Plans by Donald Jaekle, 774 Call Bldg. \$1000

DWELLING

(813) SW HAMILTON and Silliman; two-story and basement frame dwelling.
Owner and Builder—Clody Ravaglio, 2602 San Bruno Ave.
Architect—None. \$5000

BUILDING

(814) S BAY 70 E Jones; one-story class C brick building.
Owner—Commercial Centre Realty Co., 916 Kearny St.
Architect—H. C. Baumann, 251 Kearny Street.
Contractor—Ralph McLeran and Co., Hearst Bldg. \$8500

ALTERATIONS

(815) 1450 CASTRO ST.; alterations to apts.
Owner—R. L. Ebey, 1450 Castro St.
Architect—None. \$1150

DWELLING

(816) W 17th AVE. 350 N Pacheco; one-story and basement frame dwelling.
Owner & Builder—Heyman Bros., 742 Market St.
Architect—None. \$4500

DWELLING

(817) W 17th AVE. 326 N Pacheco; one-story and basement frame dwelling.
Owner & Builder—Heyman Bros., 742 Market St.
Architect—None. \$4750

SERVICE BLDG.

(818) SE CHESTNUT and Fillmore; reinforced concrete service bldg.
Owner—Standard Oil Co., 225 Bush St.
Architect—None.
Contractor—Lindgren & Swinerton, 225 Bush St. \$8000

ALTERATIONS

(819) NW THIRD and STEVENSON. Alter offices.
Owner—General Contract Purchase Corp., % J. A. Tassi, 25 California St., San Francisco.
Architect—None.
Contractor—J. A. Tassi, 25 California St., San Francisco. \$4000

STORE

(820) N O'FARRELL 82 W Hyde. One-story concrete store building.
Owner—John Seale, 2475 Pacific Ave., San Francisco.
Architect—None. \$7250

ADDITION

(821) NO. 69 KEYSTONE WAY.
Add one room to dwelling.

Owner—A. R. Grier, Premises.

Architect—None.

Contractor—Frank Gaynor, 69 Key-stone Way, San Francisco. \$1000

BUILDING CONTRACTS

San Francisco County

No.	Owner	Contractor	Amt.
131	So. Pacific	Dorward	15850
132	Same	Spencer	11371
133	Murphies	Ludwig	2500

BOILER PLANT

(131) FELL and BAKER STS.; installation of boiler plant in hospital addition.

Owner—Southern Pacific Co., 65 Market St.

Architect—None.
Contractor—George D. Dorward, 2090 Beach St.

Filed June 23, '30. Dated June 16, '30.
Monthly payments of.....75%
Usual 35 days.....25%

TOTAL COST, \$15,850.
Bond, \$15,850. Sureties, U. S. Guar-
antee Co. Limit, 120 days. Plans and
Spec. filed.

(132) ELEVATORS for above addi-
tion.
Contractor—Spencer Elevator Co., 166
7th St.

Filed June 23, '30. Dated June 14, '30.
Monthly payments of.....75%
Usual 35 days.....25%

TOTAL COST, \$11,371.44.
Bond, \$11,371.44. Sureties, U. S. Guar-
antee Co. Limit, 120 days. Plans and
Spec. filed.

REPAIRS

(133) 3809 16th STREET; repair bldg.
Owner—George Murphies, 3809 16th St.
Architect—None.
Contractor—Herman T. Ludwig, 960
Natoma St.

Filed June 24, '30. Dated Feb. 23, '30.
Frame up.....\$625
Plastered.....625
Completed.....625
Usual 35 days.....625

TOTAL COST, \$2500.
Plans and Spec. filed.

COMPLETION NOTICES

San Francisco County

Recorded	Accepted
June 20, 1930—LOT 22 and E 3.66 Lot 21 Blk 7, Map Forrest Hill, Sadie and N D Jacobson to Chas Andersen.....June 14, 1930	
June 18, 1930—N BROAD 174-1½ E Orizaba Ave E 24-10½ x N 125 Blk I, Railroad Hd Assn No 2. John S Purcell to whom it may concern.....June 18, 1930	
June 18, 1930—LOT 9 BLK 5835 St. Mary's Park. The Roman Catho- lic Archbishop of S. F. to An- drew A Johnson.....June 6, 1930	
June 18, 1930—W MASCOV 25 S France 25x140. Joseph Perasso to whom it may concern.....June 18, 1930	
June 18, 1930—E THIRTY-FOURTH Ave 185 N Judah 25x120. P S Miller to whom it may concern.....June 18, 1930	
June 23, 1930—S VICENTE 27-6 W 15th Ave W 25 x S 100. Gustaf O Stalin to whom it may concern.....June 21, 1930	
June 21, 1930—E TWENTYETH AV 183-4 N Ulloa, 33-4x120. Carl Gellert to Fred Gellert.....June 21, 1930	
June 21, 1930—E TWENTY-SECOND Ave 200 S Rivera 25x120. Carl Gellert to Fred Gellert.....June 21, 1930	
June 21, 1930—S SEVENTENTH 25 E Church 24x100. H and A	

Centanro to N De Francols.....June 15, 1930

June 21, 1930—N WASHINGTON
62-6 E Laurel E 75xN 127-8¼. E
T Guggenheim to A F Mattock
and A H Peasey.....June 16, 1930

June 21, 1930—W TWENTY-FIFTH
Ave 300 N Santiago N 50 x W 120.
H Christensen to whom it may
concern.....June 21, 1930

June 21, 1930—W TWENTYETH
Ave 159-10 N Santiago N 33-2 W
120 S 27 E 120-2. C Ingernman to
whom it may concern.....June 21, 1930

June 20, 1930—NW BUSH ST. AND
Battery N 137-6 W 137-6 S 57-6 E
20 S 80 E 117-6. Shell Oil Co to
J A Mohr & Son, Inc.....June 10, 1930

June 20, 1930—NO. 570 BRYANT.
M J Schloss to F Moller.....June 14, 1930

June 19, 1930—NE FIRST 275 SE
Market SE 91-8 x NE 137-6 100 v
B 340. Norris K Davis and Amer-
ican Trust Co trustees East Horace
Davis, decd, to Elling Ellingson.....June 19, 1930

June 23, 1930—E 22nd AVE 150 S
Vicente S 100 x E 120 OL 1247,
Lots 24, 25, 26 and 27 Blk 2947A
map Sub No 6 Miraloma Park.
Meyer Bros to whom it may concern.....June 23, 1930

June 24, 1930—E 26th AVE 100 N
Judah St N 25 x E 120. Eric Dahl-
berg to whom it may concern.....June 24, 1930

June 24, 1930—PTNS LOT 21 and 22
Blk 3262 map Blks 3260 to 3269
Balboa Terrace Addn, E Aptos
dist N 17 from S line lot 21 N 50
E 190 S 100 S 51-33 x W 100. Geo J
and Anna J Kramer to Wm Duer-
ner, Jr.....May 22, 1930

June 24, 1930—NW MANOR DRIVE
30 NE from SW line lot 10 blk
3278 NE 40 N 62 deg 08 min 00 sec
W 79-505 m or l SW 40-174 S 62
deg 08 min 00 sec E 82-60 ptn lots
9 and 10 blk 3278 map Mt David-
son Manor. Gordon W Morris to
whom it may concern.....June 24, 1930

June 24, 1930—NW MANOR DRIVE
20 NE from SW line lot 9 blk 3278
NE 40 N 62 deg 08 min W 78-514
SW 40-012 S 62 deg 08 min E 79-
505 ptn lots 8 and 9 blk 3278 map
Mt Davidson Manor. Gordon W
Morris to whom it may concern.....June 24, 1930

June 24, 1930—W CHURCH 57 N
Liberty N 28 x W 105. Matilda L
Goette to A M Hardy.....June 23, 1930

June 24, 1930—LOT 31 BLK 14 Flinn
Tract Hd Assn. George Murphies
to H T Ludwig.....June 21, 1930

LIENS FILED

San Francisco County

Recorded	Amount
June 20 1930—N CLAY 55 E Wal- nut E 27-6xN 127-8¼. A Z Zel- ensky & Co vs Myrtle Steveler and R C Buckle.....\$285	
June 20, 1930—N ALADDIN TER- race 32-6 E Taylor E 22-6xN 45. M Friedman (as M Friedman & Co) vs The Metropolitan Bldg Co and Antonio Cipparone.....\$86.00	
June 19, 1930—NE POLK and Turk N 85 E 85 WA 7. Malot & Pet- erson vs Haley Bros and V E and V S Haley.....\$235	
June 18, 1930—N ALADDIN TER- race 32-6 E Taylor E 22-6xN 45 Linn & Nylander vs Antonio and Marie Cipparone and Metropol- itan Constr Co.....\$22	
June 18, 1930—SW GRANT AVE & Broadway known as Colombo Hotel. C Chiappa vs A Aratoll and M Marsicano.....\$7	

RELEASE OF LIENS

San Francisco County

Recorded	Amount
June 20, 1936—S PERSIA AVE 50 W Prague W 50xS 100. Alexander Tiscioni (as Biancalani Concrete Co) to R N Gibson and F C Frank.....	\$180
June 20, 1936—SW PERSIA AVE 75 NW Prague NW 25xSW 100. Frank Bartalini (as The Light Shop) to Floyd C Frank.....	
June 23, 1936—LOT 15 BLK 1 map Railroad Hd Assn No 2. W B Jefferson as The Greater City Lbr Co to Mrs H and Christine M Rounce.....	\$501.70

BUILDING PERMITS

Alameda County

772 Whalen	Williamson	4500
773 Gage	Lyons	6000
774 Steindell	Owner	6500
775 Lovett	Steindell	5000
776 Rieser	Spurr	3000
777 Safeway	Heyer	28000
778 Dashiell	Owner	4500
779 Brunner	Franklin	4500
780 Baker	Loblau	3600
781 Pressler	Owner	3000
782 Same	Same	3000
783 Gorrill	McWethy	30000
784 Morton	Nylander	3750
785 Pressler	Owner	2000
786 Girvin	Dolan	7750
787 Cassaretto	Owner	2200
788 Bay	Benassini	3000
789 Schmidt	Owner	2500
790 Grubb	Owner	3000
791 Schroeder	Grodum	5000
792 Alameda	Owner	5000
793 Hansen	Owner	6500
794 Alameda	Owner	2000
795 Horwinski	Meyers	2500
796 Texeira	Owner	1000
797 Jewell	Owner	2550
798 Clegg	Rose	12000
799 Steinbeck	Owner	9000
799 Williamson	Owner	3000
800 Texas	Owner	2700
801 Texas	Owner	1500
802 Griffiths	Owner	5000
803 Brown	Lindquist	1000
804 Leekins	Owner	3350
805 Culp	Owner	1500
806 Cayne	Glynn	4500
807 Sunset	Austin	4200
808 Jones	Short	10500

RESIDENCE

(772) No. 1141 OXFORD ST., BERKELEY. Three-story 13-room 1-family frame residence.	
Owner—M. D. Bulles, San Francisco.	
Architect—W. C. Perry, 260 California St., San Francisco.	
Contractor—F. G. Appelbee, 2405 Acton St., Berkeley.	\$14,000

RESIDENCE

(772) NO. 2812 WEBSTER ST., BERKELEY. One-story 5-room 1-family frame residence.	
Owner—J. F. Whalen, 324 Warrick St., Oakland.	
Architect—None.	
Contractor—E. M. Williamson, 3761 Allendale Ave., Oakland.	\$4500

STORE

(773) NO. 1417-1417A GROVE ST., BERKELEY. One-story Class C Store.	
Owner—A. H. Gage, 2122 Shattuck Ave., Berkeley.	
Architect—E. L. Snyder, Addison and Shattuck Ave., Berkeley.	
Contractor—N. E. Lyons, 354 Hobart St., Oakland.	\$6000

RESIDENCE

(774) NO. 81 NORTHAMPTON RD., BERKELEY. Two-story 9-room 1-family frame residence.	
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Owner—Sam Steindell, 38 Northampton Road, Berkeley.	
Architect—None.	\$6500

RESIDENCE

(775) NO. 935 SHATTUCK AVE., BERKELEY. Two-story 6-room 1-family frame residence.	
Owner—Ruth J. Lovett, 1290 Grove St., San Francisco.	
Architect—W. W. Dixon, 1844 Fifth Ave., Oakland.	
Contractor—Sam Steindell, 38 Northampton Rd., Berkeley.	\$5000

ADDITION

(776) NO. 3064 RICHMOND BLVD., OAKLAND. Addition.	
Owner—C. A. Rieser, 525 32nd St., Oakland.	
Architect—None.	
Contractor—E. L. Spurr, 332 23rd St., Richmond.	\$3000

WAREHOUSE

(777) SE SECOND AND HARRISON OAKLAND. One-story brick and concrete warehouse.	
Owner—Safeway Stores, Inc.	
Architect—Rosenwald, Couchot & Roth.	
Contractor—Chas. W. Heyer Jr., Mills Bldg., San Francisco.	\$28,000

DWELLING

(778) NO. 3539 GUIDO ST., OAKLAND. One-story 6-room dwelling and one-story garage.	
Owner—E. L. Dashiell, 1666 67th Ave., Oakland.	
Architect—None.	\$4500

DWELLING

(779) NO. 448 BEGIER AVE., SAN LEANDRO. Frame and stucco dwelling.	
Owner—H. F. Brunner, 882 57th Ave., Oakland.	
Architect—F. L. Hyde, 372 Hanover St., Oakland.	
Contractor—J. Franklin, 427 W Merle St., San Leandro.	\$4500

DWELLING

(780) MANTHY ST., bet. Hollister and Hollywood Blvd., SAN LEANDRO. Frame and stucco dwlg.	
Owner—J. J. Baker.	
Architect—Gordon Pierce, 1647 Auseon St., Oakland.	
Contractor—M. H. Loblau, 271 Havenland Ave., Hayward.	\$3600

DWELLINGS

(781) S YGNACIO 114 and 76 E 48th Ave. and No. 4807 Ygnacio, OAKLAND; 3 one-story 5-room dwellings.	
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.	
Architect—None.	\$9000

DWELLING

(782) 1954 48th AVE., OAKLAND; 1-story 5-room dwelling.	
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.	
Architect—None.	\$3000

OFFICE & STORE

(783) 12 FRANKLIN ST. 150 S 19th St., OAKLAND; two-story 18-room tile and concrete office and store.	
Owner—Gorrill Estate Co., Ray Bldg., Oakland.	
Architect—Williams and Wastell, 274 17th St., Oakland.	
Contractor—L. R. McWethy, 337 17th St., Oakland.	\$30,000

DWELLING

(784) E 106th AVE. 71 S Breed St., OAKLAND; two-story six-room dwelling and garage.	
Owner—Leo Morton, 1504 Havenscourt, San Leandro.	

Architect—None.	
Contractor—Nylander Bros., 1610 Excelsior Ave., Oakland.	\$3750

DWELLING

(785) 1369 WALNUT, OAKLAND; 1-story 3-room dwelling.	
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.	
Architect—None.	\$2000

DWELLING

(786) N AGNES ST. 200 W Proctor Ave., OAKLAND; two-story 7-room dwelling and 1-story garage.	
Owner—Adelaide Girvin.	
Architect—None.	
Contractor—Leo J. Dolan, 316 17th St., Oakland.	\$7750

SHOP

(787) F MAGNOLIA ST. 174 S 24th St., OAKLAND; 1-story tile shop.	
Owner—Frank L. Cassaretto, 330 El Cerrito, Piedmont.	
Architect—None.	\$2200

ADDITION

(788) 2950 E 29th ST., OAKLAND; addition.	
Owner—Louis Bay, 2950 E 29th Street, Oakland.	
Architect—None.	
Contractor—Joe Benassini, 1357 Addison St., Oakland.	\$3000

DWELLING

(789) N CALIFORNIA 300 W Maple, Oakland. One-story 3-room dwlg.	
Owner—R. R. Schmidt, 2918 California St., Oakland.	
Architect—None.	\$2500

DWELLING

(790) W BREED AVE. 286 N Durant Ave., Oakland. One-story 5-room dwelling.	
Owner—Jas. B. Grubb, 2012 38th Ave., Oakland.	
Architect—None.	\$3000

DWELLING

(791) 512 CENTRAL AVE., ALAMEDA; two-story 6-room frame and stucco dwelling.	
Owner—George F. Schroeder, 519 Central Ave., Alameda.	
Plans by D. E. Jaekle, 744 Call Bldg., San Francisco.	
Contractor—J. J. Grodum, 1008 San Antonio Ave., Alameda.	\$5000

REMODELING

(792) 1101 FARU ST., ALAMEDA; remodel present frame building for school.	
Owner and Builder—City of Alameda.	
Plans by Owners.	\$5000

DWELLING

(793) 2970 NORTHWOOD DR., ALAMEDA; two-story 6-room frame and stucco dwelling.	
Owner and Builder—C. Hansen, 1500 Santa Clara Ave., Alameda.	
Plans by Owner.	\$6500

BATH HOUSE

(794) ALAMEDA AIRPORT, West ALAMEDA; one-story 3-room frame and stucco bath house.	
Owner and Builders—Alameda Airport Inc., 555 Howard St., San Francisco.	
Plans by Owners.	\$2000

ADDITIONS

(795) 1025 SAN ANTONIO AVE., ALAMEDA; frame additions to present house.	
Owner—Ed. Horwinski, 1025 San Antonio Ave., Alameda.	
Architect—None.	
Contractor—R. Meyers, 2059 Clinton Ave., Alameda.	\$2500

ALTERATIONS
(796) 2135 ADELINE Street, OAK.
LAND; alterations and repairs.
Owner and Builder—3135 Adeline St.,
Oakland.
Architect—None. \$1000

DWELLING
(797) W 85th AVE. 35 S Plymouth St.,
OAKLAND; one-story four-room
dwelling.
Owner and Builder—Chas. O. Jewell,
8724 E St., Oakland.
Architect—None. \$2850

ALTERATIONS
(798) 257 23rd ST., OAKLAND; fire
repairs and alterations.
Owner—E. B. Clegg, 144 Grand Ave.,
Oakland.
Architect—None.
Contractor—A. H. Rose, 478 25th St.,
Oakland. \$12,000

STORE
(799) SE COR. BROADWAY and 3rd
St., OAKLAND; one-story brick
and concrete store.
Owner and Builder—Steinbeck Theiss
Co., 506 Broadway, Oakland.
Architect—R. A. Hutchinson, 337 17th
St., Oakland. \$9000

ALTERATIONS
(799) NO. 2070 UNIVERSITY AVE.,
BERKELEY; Alterations.
Owner—L. M. Williamson, 2316 Oak
Knoll Terrace, Berkeley.
Architect—None. \$3000

STATION
(800) NO. 300 ADELINE ST., BER-
KELEY. Class C gasoline service
station.
Owner—The Texas Co., 429 South
Broadway, Los Angeles.
Architect—None. \$2200

SHOP
(801) NO. 3003 ADELINE ST., BER-
KELEY. Tire shop.
Owner—The Texas Co., 429 South
Broadway, Los Angeles.
Architect—None. \$1500

DWELLING
(802) SW COR. 60th AVE. and East-
lawn, OAKLAND; one-story 12-
room 4-family dwelling.
Owner & Builder—E. O. Griffiths, 1207
60th Ave., Oakland.
Architect—None. \$5000

ADDITION
(803) 587 WALLA VISTA AVE., OAK.
LAND; addition.
Owner—A. Brown, 587 Walla Vista
Ave., Oakland.
Architect—None.
Contractor—John Lindquist, 2137 23rd
Ave., Oakland. \$1000

DWELLING
(804) W SHEPHERD 200 NE 29th
St., OAKLAND; one-story 5-room
dwelling and 1-story garage.
Owner and Builder—C. W. Leekins,
1105 Underhills Road, Oakland.
Architect—None. \$3800

ALTERATIONS
(805) 505 MIRA VISTA AVE., OAK.
LAND; alterations.
Owner and Builder—Lynn W. Culp,
Jr., 623 Central Bank Bldg., Oak-
land.
Architect—None. \$1500

RESIDENCE
(806) 505 COLUSA AVE., BERKE-
LEY; one-story 5-room 1-family
frame residence.
Owner—M. S. Cayne, 833 York Street,
Oakland.
Architect—Williams & Wastell, 374
17th St., Oakland.
Contractor—H. Glynn, 6023 Colby St.,
Oakland. \$4500

ADDITION
(807) NO. 2101 LIVINGSTON ST.,
OAKLAND. Addition.
Owner—Sunset McKee Salesbook Co.,
Premises.
Architect—None.
Contractor—Austin Co. of California,
Ray Bldg., Oakland.

RESIDENCE
(808) NO. 661 SAN LUIS ROAD,
BERKELEY. Two-story 7-room
1-family frame and stucco resi-
dence.
Owner—Robert E. Jones, 1810 San
Ramon Ave., Berkeley.
Architect—J. V. Short, 253 Ridge
Road, Berkeley.
Contractor—J. V. Short, 253 Ridge
Road, Berkeley. \$10,500

BUILDING CONTRACTS

Alameda County

No. Owner	Contractor	Amt.
113 International	Walter	4967
114 Deverre	Dyer	4000

LINOLEUM
(113) LOTS 10, 11, 12, 13, 14, and 15
and west 10 ft. Lot 16, map of the
Benton Property, Berkeley (NE
Bancroft Way and Piedmont Ave);
furnish and install linoleum for
fraternity house.

Owner—International House (a corp.)
Architect—Geo. W. Kelham, 315 Mont-
gomery St., San Francisco.
Contractor—D. N. & E. Walter Co.,
562 Mission St., San Francisco.
Filed June 18, '30. Dated June 17, '30.
Tenth of each month. Balance
Usual 35 days. TOTAL COST, \$4967

Bond, \$2483.95. Sureties, Pacific In-
demnity Co. Limit, without delay.
Plans and Spec. filed.

SERVICE STATION
(114) NW BUCHANAN ST. and San
Fablo Ave., Albany; general con-
struction on type A service station.
Owner—Joseph Deverre.
Architect—None.

Contractor—The Dyer Const. Co., 1924
Broadway, Oakland.
Filed June 23, '30. Dated May 14, '30.
On completion. \$3000
Usual 35 days. Balance 1000

TOTAL COST, \$4000
Bond, \$4000. Sureties, Globe Indemnity
Co. Limit, 30 days. Plans and
Spec. filed.

COMPLETION NOTICES

Alameda County

Recorded	Accepted
June 18, 1930—LOT 46 BLK H, Claremont Pines Tract, Oakland. Robert E. and Elizabeth P. Hatch to Harold L. Falge. June 13, 1930	
June 19, 1930—LOT 21 BLK 7, 1000 Oak's Heights, Berkeley Edith E Weston to John O Weston. June 14, 1930	

June 18, 1930—N POOTHILL BLVD
77 ft East of 73rd Ave, Oakland.
Geo W Prince to T W Durgin. June 18, 1930

June 19, 1930—PTN CTN 267.40 AC
piece of land firstly described in
deed from John H Spring et al to
The Realty Syndicate dated June
2, 1909, and recorded in Vol 1610
of Deeds, pp 123, Oakland. J N
Bostick to Peters & Booth. June 11, 1930

June 19, 1930—SE 32nd and GROVE
Sts, Oakland. A J Ross to Wiley
T Vaughn. June 19, 1930

June 18, 1930—SE 12th and West Sts
Oakland. John F and Betty Ritter
to whom it may concern. June 18, 1930

June 18, 1930—LOT 83 BLK 7, Key
Route Terrace No 3, Berkeley. H
C Smith to whom it may concern. June 17, 1930

June 18, 1930—CAMPUS of the Univer-
sity of California, Berkeley. The
Regents of the University of Cal-
ifornia to F Grassl & Co "Trav-
ersite Works, Inc" (two comple-
tions) June 13, 1930

June 18, 1930—2013 MARIN AVE,
Berkeley. David Kesti to whom
it may concern. June 1, 1930

June 12, 1930—LOT 145 and Ptn Lot
144, Broadmoor Park, San Leand-
ro. Earl and Harold Derry to
whom it may concern. June 14, 1930

June 19, 1930—CAMPUS of the Univer-
sity of California, Berkeley. The
Regents of the University of Cal-
ifornia to Creamery Package Mfg
Co. June 9, 1930

June 18, 1930—3021 MAPLE AVE,
Oakland. A Guidotti to whom it
may concern. June 18, 1930

June 23, 1930—19 DOWNEY PLACE,
Oakland. Nettie M and H C Pen-
dleton to whom it may concern. June 21, 1930

June 23, 1930—PTN LOT 14, Broad-
way and Weston Ave Lots, Oak-
land. N E Rockwell to whom it
may concern. June 19, 1930

June 21, 1930—20 NEW BROAD-
WAY, Berkeley. Leo Westwood to
Charles Westwood. June 11, 1930

June 21, 1930—1769 HAYES ST, San
Leandro. Laureano Munoz to An-
tonio F Nunes. June 20, 1930

June 21, 1930—227 SIXTH ST, Oak-
land. Walter I Brown to George
Swanstrom. June 18, 1930

June 20, 1930—LOT 279 BLK Q,
Fernside, Alameda. Karl S Fred-
rickson to whom it may concern. June 19, 1930

June 20, 1930—LOT 33, Broadmoor
Park, San Leandro. Mrs Lea E
Keene to Joseph Franklin. June 19, 1930

June 20, 1930—3332 GRANADA ST,
Oakland. R S Gray to W A Croll.
June 19, 1930

June 20, 1930—LOT 21 and SE 12 1/2
ft Lot 22 Bk 13, Electric Loop
Tract, Oakland. Jas Barnett Jr
to whom it may concern. June 16, 1930

June 20, 1930—LOT 145, Broadmoor
Park, San Leandro. P B Weaver
to whom it may concern. June 19, 1930

June 20, 1930—1638 BELVEDERE
St, Berkeley. Albert Ebbs to Ho-
bert & Oman. June 19, 1930

Member Insurance Brokers' Exchange

FRED H. BOGGS
INSURANCE
490 GEARY STREET

Phone FRanklin 9400

San Francisco

LIENS FILED

ALAMEDA COUNTY

Recorded	Amount
June 20, 1930—PTN LOT T1, Roble Court, Berkeley, F & J Iron W'ks vs East Bay Municipal Utility District, A Frederick Anderson.....	\$112.53
June 19, 1930—286 LENOX Ave Oakland, Spencer Elevator Co vs Albert Krawl.....	\$3,025
June 23, 1930—PTN LOT 26, 746 ac piece of land firstly described in deed from John H Spring et ux to Realty Syndicate Co, dated June 2, 1909, recorded volume 1610 of deeds pages 1, 2 and 3. Aladdin Heating Corp vs James M and Rose J Bostick, Paul J Peters and R S Booth.....	\$135.51
June 23, 1930—PTN LOT 21, Ranchos Vincente and Domingo Peralta, Oakland, Concealo Fixture Co, Inc vs Emily and Albert Kroll.....	\$2000
June 23, 1930—286 LENOX AVE, Oakland, Superior Tile & Products Co vs Emily and Albert Kroll.....	\$2664
June 23, 1930—N LENOX AVE 100 E Montecito, Oakland, Albert Streis vs Emily and Albert Kroll.....	\$655.96
June 21, 1930—LOTS 10 and 11 and W 25 ft Lot 12 Blk 24, Lakeside Subdiv of Adams Point Pty, Oakland, Melrose Lumber & Supply Co, Inc vs Roy D Benjamin M, and Walter W Phillips, Alma Brown and Mrs Francis Kneer.....	\$163.33
June 21, 1930—NW EAST 14th St and 5th Ave, Oakland, Golden Gate Plumbing Shop vs Joseph N Coleman, Georg D Prentice.....	\$35.65

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
June 18, 1930—LOT 97, Lakeshore Manor, Oakland, Maxwell Hardware Co to L M and Cerline Patterson.....	\$338.05
June 18, 1930—LOT 97, Lakeshore Manor, Oakland, Jas A Davis Co to Leonard M Patterson, W J Bidle, Geo Easterly.....	\$56.66

BUILDING CONTRACTS

SAN MATEO COUNTY

DWELLING	
ATHERTON, All work for two-story frame dwelling and garage.	
Owner—Mark A. McCann et al, Atherton.	
Architect—None.	
Contractor—R. W. Fallmer, 465 Litton Ave., Palo Alto.	
Filed June 18, '30. Dated June 17, '30.	
Floor joists laid.....	\$4738.50
Roof cn.....	4738.50
Plastered.....	4738.50
Doors hung.....	4738.50
Completed.....	6318.00
Usual 35 days.....	6318.00
TOTAL COST, \$31,590.00	
Bond, \$31,590. Surety, Standard Accident Insurance Co. Limit, 100 working days. Forfeit, plans and specifications, none.	

BUILDING PERMITS

SAN MATEO

GARAGE and apartment, \$12,000; Lot 6 Blk 17, No. 502 Ninth Ave, San Mateo; owner and contractor, A. Powers, 515 S-Humboldt St., San Mateo.	
COTTAGE, \$1500; Lot 18, El Camino, San Mateo; owner, A. J. Mori; contractor, L. Regner, 65 N-Humboldt St., San Mateo.	

STORE building, frame, \$2500; Lot 146, El Camino Real, San Mateo; owner and contractor, J. E. Bale, 805 Highland Ave., San Mateo.

RESIDENCE, 1-story, \$7000; Lot 8, Shafter Ave., San Mateo; owner, A. Devoto, Fairfax Manor; contractor, T. J. Broderick, 1523 Cypress Ave., San Mateo.

BOARDING house, \$2500; Lot 7 Blk 27, No. 201-203 S. Delaware St., San Mateo; owner and contractor, Armando Costa, Vendome Hotel, 128 S-Clearmont St., San Mateo.

RESIDENCE, 2-story, \$12,000; Lot 9 Blk 22, Parrott & Jefferson Aves., San Mateo; owner, Herbert A. Thayer, 12 Hayward St., San Mateo; contractor, Buschke & Johnson, 235 3rd Ave., San Mateo.

ALTERATIONS, \$1000; No. 413 Howard St., San Mateo; owner, Victor Chars, Premises; contractor, Fred Hurlbut, 920 E-Humboldt St., Burlingame

BUNGALOW, \$6000; Lot 8 Blk 13, Benito Ave., San Mateo; owner & contractor, Richard Minor, 1357 Columbus St., San Mateo.

CLEANING and dyeing plant, Class B, \$4000; No. 215 Highland Ave., San Mateo; owner, Jas. P. Britt, 1631 S. El Camino, San Mateo; contractor, Stephenson Co., 10-nadnock Bldg., San Francisco.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded	Accepted
June 16, 1930—SAN CARLOS, Southern Pacific Co to W O Tyson.....	June 13, 1930
June 16, 1930—NO. 1, 2, 3, 7, & 9 Winchester Place, San Mateo. Oswald & Rucker to whom it may concern (6 dwellings).....	June 12, 1930
June 17, 1930—SKYLINE BLVD. State of California to W F McHugh.....	June 12, 1930
June 17, 1930—LOT 15 BLK 4, Milbrae Highlands, Henry Erickson to Henry Erickson.....	May 14, 1930
June 17, 1930—LOT 35, Map of Studio Tract, San Mateo. Martin Petersen to whom it may concern.....	June 12, 1930
June 18, 1930—LOTS 21, 22, 23, 26 & 27 Part Lot 28 Blk 19, San Bruno. Charles E Petersen et al to Chas S Mabrey.....	June 15, 1930

LIENS FILED

SAN MATEO COUNTY

Recorded	Amount
June 17, 1930—LOT 42 BLK 3, Jefferson Park, San Mateo. Carl Schwarz et al vs Frederick Mutto.....	\$90
June 18, 1930—PART LOTS 3 AND 4 Blk 9, Burlingame Land. G. Boni, \$7234.96; Atlas Stair Bldg Co, \$540 vs James K Moore.....	
June 20, 1930—LOT 1 BLK 33, Belmonti. San Carlos Feed & Fuel Co vs W J McKillop.....	\$332.70

BUILDING CONTRACTS

SANTA CLARA COUNTY

HOSPITAL	
STANFORD CAMPUS, Palo Alto. All work for hospital	
Owner—The Board of Public Works by Charles D. Marz, Chairman, and City of Palo Alto, by C. H. Christensen, Mayor, Palo Alto.	
Architect—Reed & Corlett, Oakland Bank Bldg., Oakland.	
Contractor—K. E. Parker Co., 135 South Park, San Francisco.	

Filed June 21, '30. Dated June 21, '30. On 10th day of each month..... 75% Usual 35 days..... Final

TOTAL COST, \$347,038

Bonds & \$173,519 each. Surety, Fidelity & Deposit Co. of Maryland. Limit, 285 calendar days from June 23, 1930. Forfeit, none. Plans and specifications filed.

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded	Amount
June 19, 1930—LOT 1 PART LOT 2 Blk 5, James St., San Mateo. Alexander Sheet Metal & Furnace Co.; J C Cooksey and O Harris to whom it may concern.....	

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded	Accepted
June 18, 1930—LOT 33 BLK 1, Lincoln Gates, San Jose. Charles W Lannin to whom it may concern.....	June 17, 1930
June 19, 1930—LOT 37, Hillcrest Subd, San Jose. Mary B Rasmussen to whom it may concern.....	June 18, 1930
June 19, 1930—LOTS 9 & 10 BLK 7, Bartley Tract Sub. 2, Palo Alto. B F Burkhart to whom it may concern.....	June 18, 1930
June 19, 1930—INTER. UNIVERSITY Ave. and Cowper St. Part Lot 4 Blk 29, Palo Alto. J M Blackburn to whom it may concern.....	June 18, 1930
June 20, 1930—LOTS 15 & 16 BLK 31, College Terrace, Palo Alto. C B Van Epps to whom it may concern.....	June 18, 1930
June 20, 1930—LOT 9 BLK 49, Seale Acdn No. 2, Palo Alto. George D and Raedina G Difanti to whom it may concern.....	June 19, 1930
June 20, 1930—LOT 20, Rosedale Sub., San Jose. Harold Vining to whom it may concern.....	June 20, '30
June 14, 1930—LOT A BLK 86, Los Altos Country Club Properties. J G Ames to whom it may concern.....	March 12, 1930
June 14, 1930—LOT 32 BLK 1, Lincoln Gates. Frank T Lannin to whom it may concern.....	June 13, 1930
June 16, 1930—PT NE ¼ of SE ¼ of Sec 19 T 6 S R 2 W. Dwight J Reed to whom it may concern.....	June 11, 1930
June 16, 1930—LOT 16 BLK 29, Los Altos No 2, Los Altos. J H Crawford to whom it may concern.....	June 14, 1930
June 16, 1930—LOTS 21 & 22 BLK 31, College Terrace, Palo Alto. W J and Annie Benjestorf to whom it may concern.....	June 12, 1930
June 16, 1930—NE COWPER and SE Embarcadero Road SE 95-4 ft NE 100 ft NW 35-03 ft to Embarcadero Road thence 117-33 ft to beg, pt Blk 28, Seale Acdn 1, Palo Alto. May E Clevenger to whom it may concern.....	June 11, 1930
June 17, 1930—SW WAVERLY ST and com cor for lots 5 and 6 NW 26-05 ft SW 33 ft SE 64 NE 99-2 ft to Waverly, pt lots 5 and 6. Lancaster Sub Blk 4, Palo Alto. Andrew and Mary Aro to whom it may concern.....	June 16, 1930

LIENS FILED

SANTA CLARA COUNTY

Recorded	Amount
June 14, 1930—SE FOREST AVE 100 ft SW Waverly St SW 150 SE 190 NE 100 SE 30 NE 50 NW 200 Campbell vs William and Clara	

to beg, pt Blk 23, Palo Alto. Geo Staller\$317.50
 June 20, 1930—LOT 10, Naglee Park Extension, San Jose. James Roberts vs George Green\$90
 June 20, 1930—LOT 9, Naglee Park Extension, San Jose. James Roberts vs Fred Benson\$188.75
 June 20, 1930—LOTS 10 AND 18 Blk 123, Crescent Park No. 2, Palo Alto. A Backlund vs Howard L Gray\$308
 June 19, 1930—S FOREST AVE 100 ft. W Waverly St. W 150 S 190 E 100 S 30 E 50 N 200 to beg pt. Lots 3 and 4 Blk 23, Palo Alto. Pacific Mill & Cabinet Co vs Wm and Clara H Staller\$437.75

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded	Amount
June 18, 1930—LOTS 2 & 3, Sierra Vista Trct No. 3, Mt. View, San Barbara to Joe Distefano	
June 18, 1930—NW SANTA CLARA and San Pedro Sts., San Jose. Truscon Steel Co to The Farmers Union	

BUILDING PERMITS

REDWOOD CITY

DWELLING, frame, 8-room 2 baths, garage, \$9000; No. 1223 Brewster Ave., Redwood City; owner, Clarence Wilkoff; contractor, R. D. Squires, 9th Ave., Fair Oaks.
 DWELLING, frame, 6-room, bath & garage, \$4000; No. 1215 Jefferson Ave., Redwood City; owner, Louis Foss; contractor, S. B. Goss.
 DWELLING, frame, 6-room, bath & garage, \$83000; No. 543 Jeter St., Redwood City; owner and contractor, A. Newman, 468 25th St., Oakland.
 DWELLING, frame, 6-room, bath & garage, \$3800; No. 603 Lexington Ave., Redwood City; owner and contractor, Thos. Nelson, 150 Sansome St., San Francisco.
 DWELLING, frame (1) 5-room, bath and garage; (2) 4-room and bath, \$5000; No. 1024-1034 Lexington Ave Redwood City; owner and contractor, S. E. Manning, Mills Bldg., San Francisco.
 DWELLING, frame, 4-room, bath and garage, \$3000; No. 21 Davis St., Redwood City; owner and contractor, A. A. Wesendunk Jr., 1625 San Jose Ave., San Francisco
 SERVICE station, steel, \$3200; No. 552 El Camino Real, Redwood City; owner and contractor, Carl Ashman, 4013 18th St., San Francisco
 DWELLING, 5-room, bath and garage, \$3000; No. 1034 Madison Ave., Redwood City; owner and contractor, Alfred Brunnell.
 DWELLING, frame, 6-room, bath & garage, \$7000; No. 73 Furnsworth Ave., Redwood City; owner and contractor, C. C. Pritchard.
 DWELLING, frame, 5-room, bath & garage, \$4000; No. 469 Iris St., Oakland; owner and contractor, S. J. Olafsson, 2655 Diamond St., San

BUILDING PERMITS

SAN JOSE

GARAGE, public, Class C, \$11,000; W. Santa Clara St. at Bridge, San Jose; owner, J. Shaw, 271 S. Second St., San Jose; architect, H. Krause, 243 N-Ninth St., San Jose; contractor, Megna & Newell, Bank of Italy Bldg., San Jose.

RESIDENCE, 6-room frame, \$5950; Shasta St. near Park, San Jose; owner and contractor, C. Maurer, 241 Locust St., San Jose.

HAZARD Bldg., Concrete construction, \$1900; No. 29 S-Third St., San Jose; owner, Golden West Cleaners, Premises; contractor, R. O. Summers, 17 N-First St., San Jose.

ALTER Industrial building, \$3500; Fifth and Lewis Sts., San Jose; owner, Barron-Gray Canning Co., Fifth and Martha Sts., San Jose; contractor, Megna & Newell, Bk. of Italy Bldg., San Jose.

STATION, super service, brick and concrete, \$8000; Second and San Salvador Sts., San Jose; owner, Seaside Oil Co., Stockton and Pelhams Sts., San Jose; architect, Company's Engineers; contractor, R. O. Summers, 17 N-corn St., San Jose.

INDUSTRIAL building, Class C, \$13,000; San Carlos and Locust Sts., San Jose; owner, Hester Creamery Co., Alviso Road, R. F. D.; architect, Wolfe & Higgins, 19 N-Second St., San Jose; contractor, J. C. Thorp, Bank of Italy Bldg., San Jose.

RESIDENCE, 5-room, frame, \$7000; Naglee near Park St., San Jose; owner, J. S. Mize, 97 N-Market St., San Jose; architect, Wolfe & Higgins, 19 N-Second St., San Jose; contractor, Ira Brotzman, 5 Garfield St., San Jose.

ALTER service stations, \$3200; Various locations, San Jose; owner, Standard Oil Co., St. Claire Bldg., San Jose.

BUILDING PERMITS

PALO ALTO

RESIDENCE, frame and stucco, \$10,000; No. 2277 Bryant St., Palo Alto; owner, Dr. Latham True, 2361 Bryant St., Palo Alto; architect, Charles K. Sumner, 57 Post St., San Francisco; contractor, Osborne & Knight, Palo Alto.
 RESIDENCE, frame and stucco, \$8700; No. 1424 Hamilton Ave., Palo Alto; owner, W. H. Curtis, 1087 Ashby Way, Palo Alto; contractor, Aro & Okerman, Palo Alto.

BUILDING CONTRACTS

SONOMA COUNTY

SCHOOL
 CITY OF SANTA ROSA School Dist., South Park School Grounds. One-story stucco school building. Owner—City of Santa Rosa School Dist., Santa Rosa.
 Architect—Wm. Herbert, Rosenberg Bldg., Santa Rosa.
 Contractor—E. Ahlstrom, 411 Short 7th St., Santa Rosa.
 Filed June 18, '30. Dated June 17, '30.
 Frame completed\$1758.75
 Ready for plaster..... 1753.75
 Plaster finished 1758.75
 Completed and accepted..... 1753.75
 Usual 35 days..... 2346.00
 TOTAL COST, \$6381.90
 Bond, \$4690.50. Sureties, Indemnity Ins. Co. of North America. Limit, Sept. 12, 1930. Plans and Spec. filed.

COMPLETION NOTICES

SONOMA COUNTY

Recorded	Accepted
June 16, 1930—LOT 309 BLK 10, Wheelers 2nd Addn to Santa Rosa. C L Personett to whom it may concern.....	June 16, 1930

June 17, 1930—LOTS 28-41 Subdiv No 1, Forest Hills, Niels Schultz to Schultz Const Co.....June 9, 1930
 June 19, 1930—NE COR SE 1/4 of Sec 24 T 8-N R 9-W M D 24, acres. Lloyd Clark to whom it may concern
 June 19, 1930—117-123 MAIN Street, Petaluma. J H Gwinn, N Goldman to Walter Singleton.....June 16, 1930
 June 19, 1930—117-123 MAIN Street, Petaluma. J H Gwinn to Walter Singleton.....June 16, 1930

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
June 19, 1930—LOCATION NOT Given. G N Patrick to A J Hood June 10, 1930 June 19, 1930—SAN RAFAEL. H R DeGregory to whom it may concern June 14, 1930 June 20, 1930—CORTE MADERA. D L Herick to whom it may concern..... June 20, 1930	

COMPLETION NOTICES

MARIN COUNTY

Recorded	Accepted
June 16, 1930—SAN ANSELMO. E W Ruhl to whom it may concern June 16, 1930 June 18, 1930 — FAIRFAX. John Rloran and Wife to Joe Bissell June 10, 1930 June 23, 1930—MILL VALLEY. Homer M Curtice to Melvin H Klyce June 20, 1930 June 24, 1930—BAYSIDE ACRES, near San Rafael. C C Myers and G H Renshaw to Albert H Siemer Dec 24, 1929 June 24, 1930—CORTE MADERA. Clara E Madden to Marine Cabinet & Furniture Works..... June 19, 1930	

LIENS FILED

MARIN COUNTY

Recorded	Amount
June 17, 1930—CASCADES, Fairfax. W B Grimms vs B Kessler.....	\$33

BUILDING PERMITS

STOCKTON

RESIDENCE and garage, \$6000; No 2638 Westminster Ave., Stockton; owner, State Realty Co., Prem.; contractor, William Peenstra, 2261 Kensington Way, Stockton.
 STORE building, \$1000; No. 2169-2173 E-Main St., Stockton; owner, Mrs. W. C. Reynolds, Premises.
 ADD to service station, \$3000; No. 848 N-El Dorado St., Stockton; owner, Union Oil Co.
 ADDITION to warehouse, \$12,000; 221 North A St., owner, Richmond-Chase Cannery, 221 North A St., Stockton; contractor, Davis-Pearce Co., Grant and Weber Sts., Stockton.
 GOLF Course, miniature, \$3000; 725 N El Dorado St.; owner, Central California Investment Co.

COMPLETION NOTICES

CONTRA COSTA COUNTY

Recorded	Amount
June 17, 1930—UPPER SAN Leandro Road adjacent to Upper San Leandro Reservoir (Mokelumne River Project). East Bay Utility District to August A and Henry A Tieslau (as Tieslau Bros)..... June 7, 1930 June 17, 1930—LOTS 27 AND 28 Blk 32, Richmond Junction Addi-	

tion Albin Johansson to Albin J. Johansson.....June 16, 1930
 June 19, 1930—LOT 12 BLK 6, Schapiro Central Tct. Climatize Outhoud to whom it may concern.....June 10, 1930
 June 19, 1930—LOTS 1 and 2 BLK 104, Richmond Annex Addn. Mrs Karin Hedberg to Karin Hedburg.....June 18, 1930

LIENS FILED

CONTRA COSTA COUNTY

Recorded	Amount
June 17, 1930—S ½ LOTS 1 AND 2 Blk 102, Frazer Addition to Martinez. Atlas Heating & Ventilating Co, Inc vs A F Rahlves and wife et al.....	\$610
June 23, 1930—LOTS 6, 7 and 8 and 9 Blk 1, Sub. of Blk 1 W. Town of Rodeo. A Fonseca and M Perry vs Antonio Silva.....	\$255.75
June 23, 1930—LOTS 7 AND 8 BLK 110 East Richmond Heights No. 3. Equitable Real Estate Developers Inc vs Stewart S Smith.....	\$47.60
June 23, 1930—LOTS 3, 4 AND 5 in 110, East Richmond Heights No. 3. Equitable Real Estate Developers Inc vs J B Gregory.....	\$216.70
June 23, 1930—LOT 16 BLK 110, East Richmond Heights No. 3. Equitable Real Estate Developers Inc vs W J O'Leary.....	\$68.95
June 23, 1930—LOT 2 BLK 110, East Richmond Heights No. 3. Equitable Real Estate Developers Inc vs W F Beatty.....	\$78.80

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded	Accepted
June 24, 1930—LOTS 2 AND 3, McKesell Sub., Manteca. Manteca American Legion, Inc to Julius Fain.....	May 21, 1930
June 24, 1930—LOT 1 BLK 2, Parker Estate, Tracy. C A Cornell to whom it may concern.....	June 20, 1930
June 23, 1930—LOTS 7 AND 8 BLK 1, Cowell & Mewhorn Addn. Town of Manteca. Festa Do Divino Esperito Santo De Manteca to T E Williamson.....	June 20, 1930
June 20, 1930—LOT 17 BLK 5, NW Stockton. Alma Larson to Anton Larson.....	June 16, 1930
June 20, 1930—LOT 1 and S 60 ft Lot 2, Marlona Vista. G W Bowen to whom it may concern.....	June 10, 1930

LIENS FILED

SAN JOAQUIN COUNTY

Recorded	Amount
June 24, 1930—LOT 16 BLK 3, Lomita Park Sub N 25 acres, Survey No. 380, Sec. 7, Weber Grant, Stockton. E Bellerive vs Mrs. Amelia Broedell.....	\$93.75
June 20, 1930—LOTS 14 and 16 Blk 4, Yosemite Subdiv, Stockton. Fisher Bros Lumber & Mill Co vs K Doi and K Yada.....	\$1318.53

BUILDING PERMITS

SACRAMENTO

lot 4 TU 28 29, owner, John Carabatch, 2302 P St., Sacramento; contractor, Chas. Vanina, 2022 M St., Sacramento.
 REPAIRS, general, \$1300; 2429 P St., owner, Minnie Duncan, 1821 O St., Sacramento; contractor, J. Q. Tracy, 1523 Q St., Sacramento.

SERVICE station, \$2500; 901 S Street, Sacramento; owner and bullder, J. Babich, 905 S St., Sacramento.
 REPAIRS, general, \$2000; No. 1011 28th St., Sacramento; owner, Anchor Bread Co, Premises; contractor, F. A. Holdener, 1441 37th St., Sacramento.
 GENERAL repairs, \$1000; No. 5226 Montgomery St., Sacramento; owner, Pioneer Bakery, Premises; contractor, H. W. Robertson, 2533 6th Ave., Sacramento.
 SWIMMING pool, \$1000; No. 3408 Brockway Court, Sacramento; owner and contractor, Ralph Hunter, Premises.
 RESIDENCE, 7-room, \$7000; No. 2947 Highland Ave., being Lot 51 Heilbron Oaks, Sacramento; owner, D. Rocca, Woodland; contractor, Mead & Mead Constr. Co.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded	Accepted
June 24, 1930—RIVERSIDE ROAD near Seventh Ave., Sacramento. The Pennzoll Co to whom it may concern.....	May 5, 1930
June 18, 1930—SACRAMENTO. Southern Pacific Co to whom it may concern (add packing shed).....	June 14, 1930

LIENS FILED

SACRAMENTO COUNTY

Recorded	Amount
June 23, 1930—LOT 34, Crescent Park, known as No. 1301 Santa Ynez Way, Sacramento. Western Planing Mill, \$65.50; Herbert Simpson, \$250; vs Richard L and L Marie Spore and G O Griffith.....	
June 24, 1930—LOT 47, Harding Place known as No. 451 34th St., Sacramento. W B Turpen, \$145; Clay Color Co, \$59.15 vs Earl Long.....	

June 24, 1930—LOT 34, Crescent Park, known as No. 1301 Santa Ynez Way, Sacramento. American Fuel & Materials Co vs Richard L and L Marie Spore and G D Griffith.....\$288.20

BUILDING PERMITS

FRESNO

ALTERATIONS and additions, \$1250; 445 Thesta St.; owner, Emanuel Olson, 445 Thesta St., Fresno; contractor, Chess & Peterson, 1937 Fresno St., Fresno.

COMPLETION NOTICES

FRESNO COUNTY

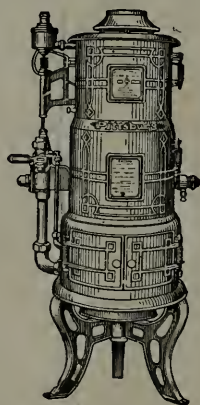
Recorded	Amount
June 21, 1930—F AND FIFTH STS., Biola. Biola Lutheran Church to Jas L Todd.....	June 19, 1930

LIENS FILED

FRESNO COUNTY

Recorded	Amount
June 20, 1930—LOTS 7 AND 8 BLK 5, Sierra Vista Addn, Fresno. M Kelner & Son Lumber Co vs Walter Jarvis Jr et ux.....	\$493
June 23, 1930—PACIFIC MINE NO. 21, Coalinga Mining District. Wm. Roombos vs Jas R Rhoads.....	\$95

Anaconda Wire & Cable Co. of California, a subsidiary of Anaconda Wire & Cable Co., New York City, has purchased the assets of the California Wire & Cable Co., with plants at Orange and Oakland. These mills will be in charge of Louis Koth, manager. Sales on the Pacific Coast will continue to be supervised by W. E. Sprackling, vice - president in charge of sales, with headquarters in New York City.



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